

# DAILY

## THU 5.9:

## FRI 6.9.

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# POSTCITY Linz

## 5. – 9. 9. 2019

# ENGLISH



# ARS ELECTRONICA FESTIVAL APP

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# Out of the Box

# The Midlife Crisis of the Digital Revolution

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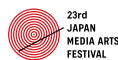
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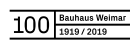
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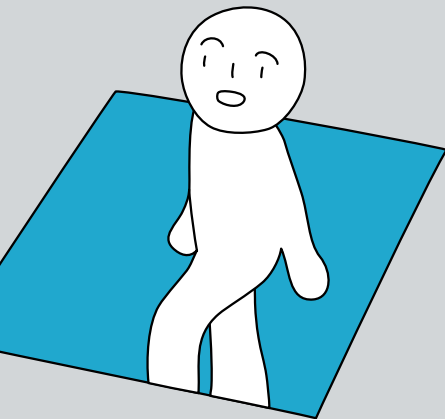
# 40 Years of Ars Electronica – 40 Years of Art Thinking

## Art as a critical thinker's “second opinion” on the digital revolution.

Being a festival for art, technology and society means using the methods of art and the sensorium of artists to observe and analyze possible future transformations as well as those currently happening, and to come to conclusions about their cultural and social dimensions and their consequences.

The time-honored principle of artistic thought and action “making the invisible visible,” the curiosity to look at what's behind the scenes and the impulse to make something better, dissatisfaction with simple answers, skepticism toward default solutions, an unflagging creativity in the search for new ways and means – all these are factors, originating in the artistic ecosystem, that are perfectly suited to help formulate the enlightened, critical and qualified perspectives that we urgently need on our path into the future. A path that must take into account the problems of the present no less than it needs visions of a better future.

The history of Ars Electronica and its multitude of visionary artistic projects, whose future scenarios, both positive and negative, are increasingly coming true, serve to prove the effectiveness of collaboration among art, technology and society. All the more remarkable is the visionary power of those who founded Ars Electronica 40 years ago.



# Out of the Box, or the Midlife Crisis of the Digital Revolution

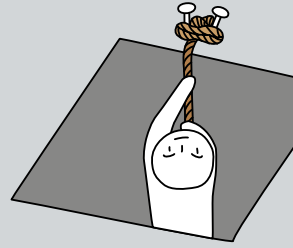
Out of the Box has several very different meanings. On the one hand, it refers to ready-made products that can be used immediately, which is more or less exactly what we see offered to us these days: consumption- and entertainment-oriented devices and the digital worlds of social media. We line up before opulently designed glass temples to buy unnecessarily expensive devices which we can then only use as the company that brought them to market sees fit. We cannot even change the batteries ourselves, and we have been stripped of the right to decide for ourselves how the data and information they generate is used.

What started out as a dream of technology that is easy for everyone to use has become the nightmare of a digital leash, for which we also pay a hefty price. As is so often the case in history, the decline of creativity and innovation begins with economic success; for a long time now, no new or useful features have come “Out of the Box”, just the same old things in different packaging.

This very sobering “Out of the Box” of the economic sphere stands in contrast to the charismatic icons of the startup and innovation world. In this world, Out of the Box means departing from already blazed trails, thinking in a way that is completely new and disruptive of all conventions, in order to reinvent the world (or at least profitable products). If you can rent out your own apartment online, why not also rent out your own car and work as a chauffeur, especially if you can neatly spare yourself taxes and fees in the process...?

But Out of the Box also immediately brings to mind the proverbial Pandora's box, which, as we all too often assume, is the cause of the many current problems in our high-tech world.

In any case, no matter which of these readings we prefer, we must all get “Out of our Boxes”. Out from cover, out of our comfort zones, our bubbles, our ignorance. Out of the mistaken belief that we can avoid responsibility for shaping the future.



# 40 years of digital revolution, but in truth we've only just begun

When Ars Electronica was conceived and brought to life in Linz at the end of the 1970s, the digital revolution already had a technological scope to be reckoned with, and yet it was largely unknown. Just 10 years previous, four computers at various locations in the western United States had for the first time been interconnected to form a network – overshadowed by the spectacular successes of the Apollo program. But in 1978 the Apple II and its brethren became the first affordable and usable desktop computers to enter the market, and in 1981 the company IBM gave its new model the designation “PC” (Personal Computer). Thus began a new phase, likely the most momentous, of the digital era: the personalization of computers, which brought them out of mainframe-heavy datacenters and research laboratories into our world and our everyday lives. In 1989, ten years after the first Ars Electronica, Tim Berners-Lee and Robert Cailliau developed and made freely available the foundations for the World Wide Web, thus unleashing the greatest technological avalanche of all time – one might call it the socialization of computers – as a result of which some 4.5 billion people worldwide are now connected to the Internet.

Apart from short periods of hype and the frisson of dystopian science fiction novels and films, artificial intelligence had until recently led a downright unglamorous existence – but this has now abruptly changed. To date the digital transformation has been a digitalization of the industrial world and its processes – what we once did without computers, we now do digitally or with digital assistance, up to and including our social lives. But now we are beginning to digitize our thinking and decision-making; and even if the reality of an independent, a strong or a general artificial intelligence still lies far in the future, we have nonetheless begun giving digital systems independence – in a way taking the step from automation to autonomy.

And once again we find ourselves awestruck by and also fearful of what could come of it. But after the last 40 years, we now know that we dare not leave this development in the hands of technology companies. In no small way it is this ignorance that has led us into our current plight of an unbridled data economy. We should use this occasion of crisis in the digital revolution to reformulate our questions about the future, and to concentrate not only on what technology makes possible, but on what we wish to do with it.

## Ars Electronica Festival 2019, an international platform for art, technology and society

The extensive 5-day program of conferences, panel discussions, workshops, exhibitions, performances, interventions and concerts will consider these questions. The festival has been planned, organized and implemented in collaboration with international artists and scientists, engineers, designers, technologists, entrepreneurs and social activists from all over the world.

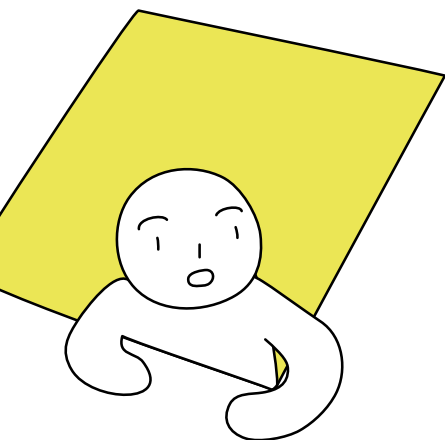
Once again the festival's hotspot will be POSTCITY, the former post and parcel distribution center at Linz Central Station. And this year too, the festival will traverse the entire city center, stopping at the St. Mary's Cathedral, the OÖ Kulturquartier, the University of Art and Design Linz, the LENTOS Art Museum, Donaupark, the Stadtwerkstatt, the newly redesigned Ars Electronica Center and Anton Bruckner Private University. As a special attraction, the festival will also make a Saturday excursion into the extraordinary ambience of the St. Florian Monastery for a new festival program on artificial intelligence and music.



# Out of the Box

The Midlife Crisis of the Digital Revolution

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## Formats and Programs at the 2019 Festival

Opening up the dimension of media-art and science to the general public has always been a main concern of Ars Electronica; nevertheless, intensifying the efforts in the avant-garde media-art genre with specialized partners, particularly in selected areas of emphasis, has been intrinsic to the spirit of Ars Electronica since its very inception. In order to live up to both ends of the spectrum the festival offers a variety of well-established and new formats. Celebrating the 40th anniversary of Ars Electronica this year, there will be a variety of special programs and formats diving into the history of the institution, for example the exhibitions **ARS and the CITY** at the LENTOS Art Museum and **ARS on the WIRE** at POSTCITY. The Ars Electronica Animation Festival is already an integral part and even earned the title festival within the festival. Another well-known format by now is the focus on digital music and sound art with Music Monday and Sonic Saturday in cooperation with the Anton Bruckner Private University. The introduction of the Ars Electronica Gallery Spaces two years ago, as a setting for media artists, collectors and galleries

to compare experiences and discuss core issues like the conservation of media-art project, also sparked great interest. Markus Poschner will conduct his third concert with the Bruckner Orchestra in conjunction with the Big Concert Night, in which the program concentrates on connecting as well as juxtaposing tradition, the state-of-the-art and modernism. As a special attraction, the festival will also make a Saturday excursion into the extraordinary ambience of the Abbey of St. Florian for a new festival program on artificial intelligence and music. The new AIXMusic festival has been developed in cooperation with the European Commission.

## Symposia, Workshops, Tutorials

The Opening Symposium “History Day” is not only dedicated to the 40th anniversary of the Ars Electronica and the 100th anniversary of the guest university Bauhaus University Weimar, but to take an in depth glance into the history of media art in general. From artworks and projects in the exhibition to symposia the recurrent theme **Out of the Box. The Midlife Crisis of the Digital Revolution** will be explored from a multitude of angles throughout the whole festival.



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The theme conference **Midlife Crisis of the Digital Revolution** on Friday explores the current and future prospects of our increasingly digital world. At the **European Forum for Digital Humanism** on Sunday, the discussion will revolve around strategies and ways to cope with the ever increasing digitization in a sensible way with a particular regard to the European humanistic heritage. The STARTS Day offers lectures, panels and workshops on the potential of evolving future innovators.

## Theme Exhibitions

It is perhaps one of the most inherent traits of humanity to strive after more, to explore the unexplored, to push our own limitations over and over again — as individuals, and as society. With the powerful technologies at hand today — from bioengineering to artificial intelligence — it is more important than ever to reflect on the way we want to use them collectively. At its core, the exhibition **Human Limitations — Limited Humanity** revolves around the relationship between humanity and the environment, and our limitations therein. Furthermore, this year a whole new section will be introduced, the European Platform for Digital Humanism, not only encompassing a multitude of programs and partners, but illustrating the increasing

importance of international collaborations. Of course, from a curatorial and certainly an organizational viewpoint, there have to be subdivisions, especially when it comes to setting up installations in premises measuring almost 100,000 square meters. The theme exhibitions have been structured according to two fundamental approaches, though there is a great deal of overlapping among them. Art and Technology projects, the origination of which was motivated primarily by research and exploration, make up the exhibits in the large halls on the 1st Upper Level; art and technology projects that are primarily means of artistic expression predominate in the large exhibition parcours arrayed in the spectacular spaces of the lower Levels.

# FESTIVAL HIGHLIGHTS

## ★ 1 Ars Electronica History Summit & Opening Night

### Ars Electronica History Day

**THU 5.9.** 11:00 – 18:00

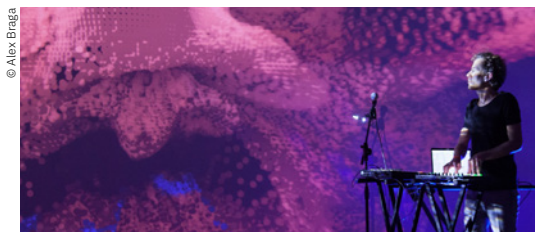
→ POSTCITY, Conference Hall

### Ars Electronica Opening: Unboxing the Festival

**THU 5.9.** 19:30 – 00:40

→ POSTCITY, Courtyard, Train Hall & Basement Stage

The Ars Electronica History Summit will focus on the 40-year history of Linz's Ars Electronica and invite pioneers such as Hannes Leopoldseder, Herbert W. Franke, Christine Schöpf and many other visionary minds to join the stage who were involved in the design and development of this unique festival for art, technology and society. Finally, a roundtable with more than 30 speakers will highlight the art forms and practices that have emerged over the past 40 years. Under the motto "Unboxing the Festival," we will open the first evening of the festival with an exciting performance program. The focus will be on the various artistic possibilities offered by the voice, improvisation, and neural networks in humans and machines. Alongside electronic sounds and spectacular live visuals, innovative performances with AI systems can be experienced live.



A-MINT, Alex Braga (IT)

## ★ 2 40 Jahre Ars Electronica

### ARS on the WIRE

**THU 5.9. – FRI 6.9.** 10:00 – 18:30

**SAT 7.9. – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ POSTCITY, Roof Top

*Last entry is 30 min before closing.*



Klangwolke 1979

### ARS and the CITY

**THU 5.9.** 10:00 – 21:00

**FRI 6.9. – SAT 7.9.** 10:00 – 18:00

**SUN 8.9.** 10:00 – 19:00

**MON 9.9.** 10:00 – 18:00

→ LENTOS Art Museum Linz

Since its inception in 1979, Ars Electronica has remained true to its core value of connecting the realms of art, technology, science and society. Today, 40 years later, Ars Electronica is one of the leading institutions in the field of media art, not only deeply rooted in the public sphere and cultural landscape of Linz, but also an important link to the international community. With a variety of formats and initiatives, Ars Electronica traces current processes and developments in art, technology and society and makes them accessible to the general public. Presence in public space is therefore one of its most important aspects: interdisciplinary projects regularly invite regional and international visitors to engage with current issues, visions and possibilities. Celebrating the 40th anniversary of Ars Electronica this year, there will be a variety of special programs and formats diving into the history of the institution, for example the exhibitions *ARS and the CITY* at the LENTOS Art Museum and *ARS on the WIRE* at POSTCITY.

## ★ 3 Theme Exhibition: Human Limitations – Limited Humanity & Gallery Spaces

**THU 5.9. – FRI 6.9.** 10:00 – 18:30

**SAT 7.9. – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ POSTCITY

*Last entry is 30 min before closing.*

It may be an inherent trait of humanity to strive for more, to explore the unexplored, to push our own limitations over and over again. At its core, the exhibition *Human Limitations – Limited Humanity* revolves around the relationship between humanity and the environment, and our limitations therein. *Human Limitations* addresses the topic on an individual level, whereas *Limited Humanity* approaches the question

of societal limitations. With a variety of projects, the powerful technologies at hand and their current impact are reflected in the spectacular rooms of the basement floors.

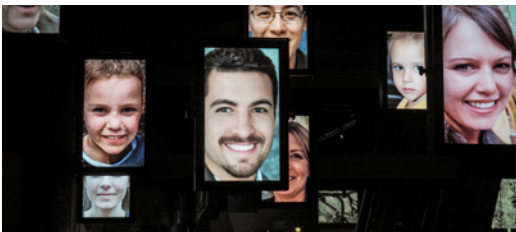


Putting the Pieces Back Together Again, Ralf Baecker (DE)

The Gallery Spaces Program, deliberately written in the plural, has brought a large number of international galleries and collections with their different positions on digital art to the Ars Electronica Festival. But there is more to it than showing digital art represented by galleries – it is above all about the changing conditions of creating and marketing art under the impact of digitalization. Discussing and finding strategies to preserve the variety within the art sector for future generations is a key aspect of the Gallery Spaces.

## ★ European Platform for Digital Humanism: STARTS Exhibition & European ARTificial Intelligence Lab

THU 5.9. – SUN 8.9. 10:00 – 19:30  
MON 9.9. 10:00 – 18:00  
→ POSTCITY



What a Ghost Dreams Of, H.O (INT)

Can or should there be something like a European way into the digital society, between the “data capitalism” of the IT monopolists and the “data totalitarianism” of the authoritarian regimes? To the extent that digital data will actually be the “new oil,” the raw material of the future, the “refinement” of this raw material will soon play a greater role than the raw material itself. This also opens up opportunities to take seriously the idea that our use of data should be not only profitable but also socially appropriate. Great hopes are being placed in the cooperation of art

and technology and a large number of EU projects and cooperation initiatives have set themselves the goal of strengthening the role of art, creativity and education in the development of the ideas, concepts and scopes of action necessary for sensible data policies. The European ARTificial Intelligence Lab is bringing AI-related scientific and technological topics to the general public and art audiences in order to contribute to a critical and reflective society.



© Mark Koch

SHE BON, Sarah Petkus (US)

The S+T+ARTS = STARTS initiative is a program of the European Commission to encourage synergies between the arts and technology to support innovation in industry and society. STARTS promotes the inclusion of artists in research and innovation activities in Europe and funds projects to encourage collaborations of engineers, scientists and artists. At the Festival, Ars Electronica presents the STARTS initiative and a selection of the prizewinning and nominated works of STARTS Prize 2019.

## ★ AIXMusic Festival at St. Florian

SAT 7. 9. 14:00 – 22:00  
→ St. Florian Monastery



© Ryuya Amao

Dear Glenn, Yamaha AI Project (JP)

Although the applications of artificial intelligence are still in their infancy, it is clear that we are heading towards a turning point. Machine learning, in particular, is already making it clear today what disruptive changes we are facing. What role will—or should—AI-based systems play in the future? What will we use intelligent machines for and how do we want to be supported by them? It is this very encounter between human creativity and technical perfection to which the first AIXMusic Festival, organized by Ars Electronica and the European Commission as part of the

STARTS initiative, is dedicated. At Saturday noon, the AIXMusic Festival will move to the St. Florian Monastery for a special program of moderated lectures, talks, demonstrations, and concerts. Renowned personalities from the world of art, such as Hermann Nitsch, Oliviero Toscani, Dennis Russell Davies, Maki Namekawa, and Sophie Wenerscheid, and from the world of science, such as Josef Penninger, Siegfried Zielinski, and Ludger Brümmer will be present. In addition, there will be internationally leading developers such as the Yamaha R&D Division AI Group.

*A fleet of buses will provide transport directly to the monastery of St. Florian for holders of an event ticket or FESTIVAL/DAY pass.*

*POSTCITY: permanent between 13:00 – 23:00 (approx. every 15 min.) Ars Electronica Center: Departure 13:00 and 14:00 (Bus stop close to the Ars Electronica Center) Anton Bruckner Private University: Departure 13:00 (Bus stop Hagenstraße) OÖ Kulturquartier: 14:15 and 14:45 (Bus stop Dametzstraße) Shuttle Back St. Florian – POSTCITY: 13:45 – 22:30 (approx. every 15 min.)*

## ★ CyberArts Exhibition & Ars Electronica Animation Festival

### CyberArts Exhibition

**THU 5.9. – MON 9.9.** 10:00 – 19:30

**SAT 7.9.** 10:00 – 21:30

→ OÖ Kulturquartier

*The exhibition is open until 15.9.*

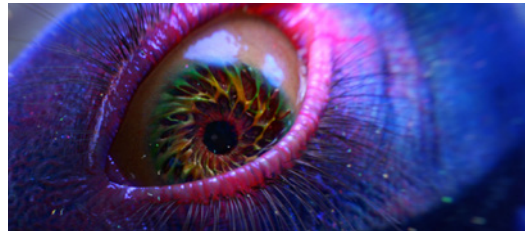
### Ars Electronica Animation Festival

**THU 5.9. – FRI 6.9.** 10:00 – 23:30

**SAT 7.9 – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ POSTCITY, Art Thinking House – Animation Festival



MIAZMAT, Klaudiusz Wesolowski (PL)

For the first time since its inception, the Animation Festival will be situated in the POSTCITY Festival Area. The seventeen programs of this year's Ars Electronica Animation Festival are once again an international showcase of excellence in current digital filmmaking. The Expanded Animation symposium explores current artistic and theoretical positions surrounding the topic of animation, focusing on this year's festival topic "Out of the Box."

## ★ Highlight Concerts

### Big Concert Night & Nightline

**FRI 6.9.** 20:00 – 04:00 (Doors open 19:30)

→ POSTCITY, Train Hall

### Episode am Fluss –

**A tribute to the first Klangwolke 1979**

**SUN 8.9.** 19:00 – 22:30

→ Donaupark, between Brucknerhaus and LENTOS Art Museum

### Pianographique –

**Piano Music meets Digital Images**

**MON 9.9.** 19:30 – 22:00 (Doors open 19:00)

→ POSTCITY, Train Hall



Bruckner Orchester

The Big Concert Night will be an absolute highlight of the festival, this time under the motto "Mahler Unfinished." It all begins with Christian Fennesz & Lillvean and the *Mahler Remixed* session, before Markus Poschner and the Bruckner Orchestra Linz perform Gustav Mahler's 10th Symphony. While the music of the Bruckner Orchestra in the Gleishalle fades, we are getting the console ready for the transition to danceable sound experiments of the Ars Electronica Nightline. On Sunday evening, Ars Electronica and pioneers from the past four decades will tell an "Episode by the River": Sam Auinger,



The SINE WAVE ORCHESTRA stay, The SINE WAVE ORCHESTRA (JP)

Experience digital arts! CyberArts presents the most outstanding entries from the Prix Ars Electronica, the international competition of computer art, at the OÖ Kulturquartier. The exhibition shows award-winners and distinguished works from the categories Computer Animation, Digital Musics & Sound Art and this year, for the first time, "Artificial Intelligence & Life Art."



Wolfgang Fadl Dorninger, AGF, Christian Fennesz, Cao Thanh Lan and others will pay tribute to the very first Klangwolke 1979 in an artistic homage to the Donaupark in front of the Brucknerhaus. On Monday, the festival will conclude with another collaboration of the two pianists Maki Namekawa and Dennis Russell Davies with the digital visual artist Cori O'Lan, with a "classic," *L'Oiseau de feu (The Firebird)* by Igor Stravinsky, and a premiere, the first piano sonata by Philip Glass.

## ★ 8 Campus Program

**Bauhaus100 @ University of Art and Design Linz**

**THU 5.9., FRI 6.9., SUN 8.9.** 11:00 – 21:00

**SAT 7.9., MON 9.9.** 11:00 – 19:00

→ University of Art and Design Linz

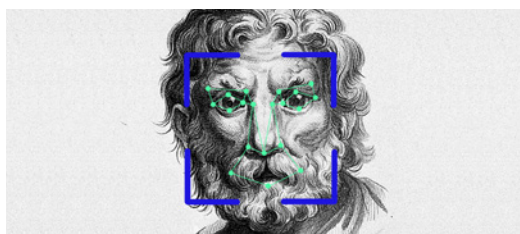
**Campus Exhibitions @ POSTCITY**

**THU 5.9. – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ POSTCITY, Campus

Campus is a platform for international exchange between universities, leading to increasing collaboration between academic partners. In 2019, 57 universities and institutions from many parts of the world showcase the results of their educational programs at the interface of art and technology, first and foremost, Bauhaus University Weimar, celebrating their 100th anniversary. Universities from Australia, Asia, the USA and Europe are also prominently represented in the Campus program. The Interface Cultures Master program of the University of Art and Design Linz will again participate in the Festival; they have been close partners for many years.



The New Face of Physiognomy, Tiantian Xiang



Material Moods, Studio Architecture III

## ★ 9 CREATE YOUR WORLD

**THU 5.9. – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

*Free admission! OPEN LAB: No registration necessary!*

How can we improve our coexistence now and in the future? How can we structure our decisions? Which processes should be reconsidered? What about our communication culture is not OK?

This year CREATE YOUR WORLD asks these questions to many different generations and presents a multitude of ideas and projects by regional and international artists.



© vog.photo

## ★ 10 The new Ars Electronica Center

**THU 5.9. – SAT 7.9.** 10:00 – 20:00

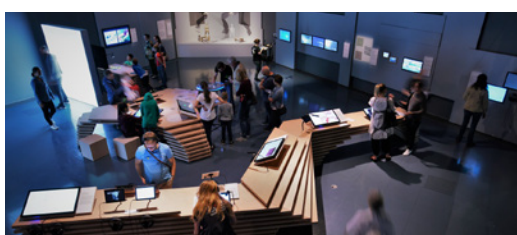
**SUN 8.9.** 10:00 – 24:00

**MON 9.9.** 10:00 – 18:00

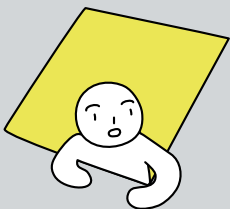
→ Ars Electronica Center

*In order to look into the future, a telescope is enough; to move in it, a compass is needed.*

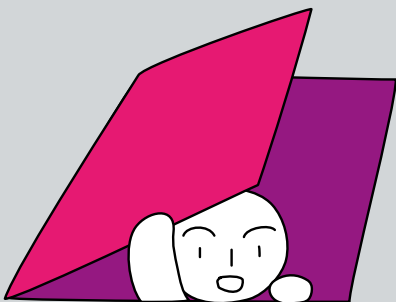
From a telescope that opens up a glimpse into the future, the Ars Electronica Center becomes a compass and guide in the present. "Compass – Navigating the Future" is now the motto, claim and invitation of the comprehensively redesigned building. The topics in the new Ars Electronica Center range from artificial intelligence and neurobionics, to autonomous systems and robotics, to genetic engineering and biotechnology, to the far-reaching global changes of our time.



© Ars Electronica / Robert Bauernhansl



# Festival Timetable 2019



**DAILY**

**THU** 5.9.

**FRI** 6.9.

**SAT** 7.9.

**SUN** 8.9.

**MON** 9.9.

## EXHIBITIONS, PROJECTS

### POSTCITY, Bunker & Roof Top

THU 5.9. – FRI 6.9. 10:00 – 18:30

SAT 7.9. – SUN 8.9. 10:00 – 19:30

MON 9.9. 10:00 – 18:00

*Last entry is 30 min before closing.*

#### ★ ARS on the WIRE\*\*

→ POSTCITY, Roof Top

#### ★ Human Limitations – Limited Humanity\*\*

→ POSTCITY, Bunker & Basement

#### ★ Gallery Spaces\*\*

→ POSTCITY, Säulenhalle & Paketspeicher

#### Immersify: Immersive Ambisonic Audio

Wojciech Raszewski (PL), Jan Skorupa (PL), Eryk Skotarczak (PL), Leszek Nowak (PL)

→ POSTCITY, Gleishalle Foyer

### POSTCITY, First Floor

THU 5.9. – SUN 8.9. 10:00 – 19:30

MON 9.9. 10:00 – 18:00

#### ★ European Platform for Digital Humanism

→ POSTCITY

#### ★ STARTS

→ POSTCITY, STARTS

#### ★ European ARTificial Intelligence Lab

→ POSTCITY, AI Lab / Bunker

#### The Practice of Art & Science

→ POSTCITY, Art & Science

#### EMAP / EMARE

→ POSTCITY, AI Lab / Bunker / Roof Top

#### ★ AIxMusic

→ POSTCITY, AIxMusic

#### ★ Campus Exhibition

→ POSTCITY, First Floor

#### Unicorn – the brain interface

g.tec medical engineering GmbH (AT)

→ POSTCITY, Hackathon Space

#### Open Futurelab

→ POSTCITY, First Floor Open Futurelab

#### LIVING WALLS – Prototype Participatory Project

Hamish Banham (AU), James Dwyer (AU), Ruth Hawkins (AU), Kelly Hodge (AU), Tom He (CN), Peter Lloyd (AU/US), Thomas Long (AU), Steven O'hannon-rose (AU), William Richardson-Davis (AU) and Matthew Vosten (AU)

→ POSTCITY, Open Futurelab

#### FUNGUAGE ROOM

Koichi Araake (JP), Eiji Iwata (JP), Michinari Kono (JP), Norio Sasaki (JP), Asa Ichinozuka (JP)

BANDAI NAMCO Research Inc. (JP), Hakuhodo Inc. (JP), Ars Electronica Futurelab (AT)

→ POSTCITY, Open Futurelab

#### Alternative sports viewing: Cross-modal appreciation of sports events

Junji Watanabe (JP), NTT Communication Science Laboratories (JP)

→ POSTCITY, Open Futurelab

#### Open Lab:

#### ELECTRONICOS FANTASTICOS! Studio

Ei Wada (JP), Nicos Orchest-Lab (INT)

→ POSTCITY

#### Ars Electronica Art Thinking School / Future Innovators Summit

→ POSTCITY, Art Thinking House

#### People Thinking Lab

HAKUHODO I-STUDIO Inc.

→ POSTCITY, Art Thinking House

#### “Hyundai Meets Art” Zone

Ars Electronica Export

→ POSTCITY, First Floor

**WE GUIDE YOU**

→ POSTCITY

THU 5.9. 11:00, 17:30 in DE/EN  
**Spotlight Tour\*/\*\***  
 → POSTCITY

FRI – SUN 6.9. – 8.9. 11:00, 13:30, 17:30  
 in DE/EN  
**Spotlight Tour\*/\*\***  
 → POSTCITY

MON 9.9. 11:00 in DE/EN  
**Spotlight Tour\*/\*\***  
 → POSTCITY

THU – MON 5.9. – 9.9. 15:30 in DE/EN  
**Human Limitations –**  
**Limited Humanity Tour\*/\*\***  
 → POSTCITY, Bunker

THU – MON 5.9. – 9.9. 13:30 in DE  
**KiDS Tour\*/\*\***  
 → POSTCITY

**GUEST PROJECTS****Chilean Artists at the Ars Electronica Festival 2019**

→ POSTCITY

**Strange Temporalities**

STOCHASTIC LABS (US)

→ POSTCITY, Art &amp; Science

**Device Art 2019**

PhD. Program in Empowerment Informatics, University of Tsukuba

→ POSTCITY, First Floor

**PERFORMANCES**

Starting at 11:00, 11:15, 11:30 and  
 15:00, 15:15, 15:30

**Inter Faces**

Régis Costa de Oliveira (BR), Universidade de Lisboa, Faculdade de Belas-Artes

→ POSTCITY, Campus – Universidade de Lisboa

THU 5.9. – SUN 8.9. 13:00 – 13:15, 16:00 – 16:15  
**Simulation**

Jörg Brinkmann (DE)

→ POSTCITY, Bunker

THU 5.9. – SUN 8.9. 13:30 – 14:00, 17:00 – 17:30  
 MON 9.9. 13:30 – 14:00

**Microbial Keywording**

Klaus Spiess (AT), Lucie Strecker (DE)

→ POSTCITY, Bunker

THU 5.9. – SUN 8.9. 14:15 – 14:30, 15:30 – 15:45  
**Namahage in Tokyo**

Etsuko Ichihara (JP)

→ POSTCITY, Bunker

THU 5.9. – SAT 7.9. & MON 9.9. 15:00 – 16:20  
**Noise Dealers**

Students of the University of Art and Design Linz

→ POSTCITY, Campus – Interface Cultures



**Namahage in Tokyo, Etsuko Ichihara (JP), ISID OPEN  
 INNOVATION LAB. (JP)**

**Ars Electronica Center**

THU 5.9. – SAT 7.9. 10:00 – 20:00

SUN 8.9. 10:00 – 24:00

MON 9.9. 10:00 – 18:00

★ **The new Ars Electronica Center**★ **European ARTifical Intelligence Lab**

THU 5.9. – MON 9.9. 10:00 – 24:00

**Neigungsgruppe Medienfassade –**  
**Intervention on the facade of Ars Electronica**  
**Center**

Academy of Media Arts Cologne, Media and Fine Art,  
Academic Group: exMedia



### Präsentation: Klinische Anwendungsbereiche von Brain Computer Interface Systemen

12:00 – 15:30

→ Ars Electronica Center level -3

12:00 – 12:30

**recoveriX – The revolutionary stroke therapy**

13:00 – 13:30

**mindBEAGLE – Coma assessment and communication**

14:00 – 14:30

**recoveriX – The revolutionary stroke therapy**

15:00 – 15:30

**mindBEAGLE – Coma assessment and communication**

### OÖ Kulturquartier

**THU 5.9. – MON 9.9.** 10:00 – 19:30

**SAT 7.9.** 10:00 – 21:30

*The exhibition is open until 15.9.*

### ★ CyberArts Exhibition 2019

### LENTOS Art Museum

**THU 5.9.** 10:00 – 21:00

**FRI 6.9. – SAT 7.9.** 10:00 – 18:00

**SUN 8.9.** 10:00 – 20:00

**MON 9.9.** 10:00 – 18:00

### ★ ARS and the CITY

#### LightWing II

Uwe Rieger (DE/NZ), Yinan Liu (NZ), arc/sec Lab (NZ)

→ LENTOS Art Museum, Auditorium

### St. Mary's Cathedral

**THU 5.9.** 13:00 – 17:30, 22:00 – 00:00

**FRI 6.9.** 13:00 – 17:30, 19:00 – 00:00

**SAT 7.9.** 13:00 – 17:30, 19:00 – 00:00

**SUN 8.9.** 13:00 – 17:30, 19:00 – 00:00

**MON 9.9.** 13:00 – 17:30

### ★ Unleash

YAIR – Your Art Is Reality, Berlin

### Atelierhaus Salzamt

**THU 5.9. – SUN 8.9.**

12:00 – 21:00

#### Seeing I

Mark Farid (UK)

### Volksgarten

#### Monophon yello)))

Hörstadt – Anatol Bogendorfer (AT) / Peter Androsch (AT)

### University of Art and Design Linz

**THU 5.9., FRI 6.9., SUN 8.9.** 11:00 – 21:00

**SAT 7.9., MON 9.9.** 11:00 – 19:00

#### Shared Habitats

Bauhaus University (DE)

### Musiktheater Werkstatt

**THU 5.9. – SUN 8.9.** 11:00 – 18:00

→ Volksgarten 1, 4020 Linz

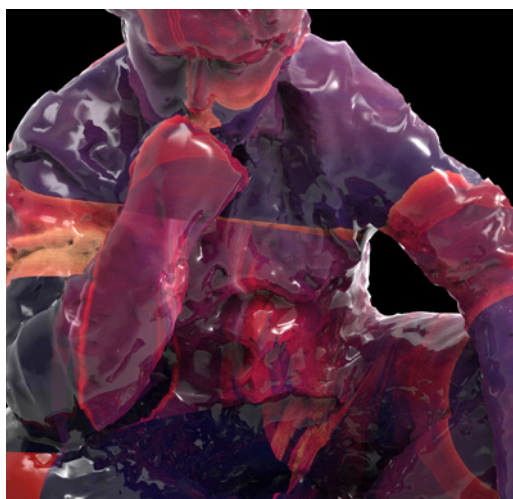
*Registration directly on site – Free admission.*

*Admission every 20 minutes starting from 11:00.*

*Limited capacity.*

#### Digital Freischütz

CyberRäuber: Marcel Karnapke (DE), Björn Lengers (DE)



Fragments | a digital Freischütz, CyberRäuber (DE)

## ★ CREATE YOUR WORLD Festival

**THU 5. 9. – SUN 8. 9.** 10:00 – 19:30

**MON 9. 9.** 10:00 – 18:00

→ POSTCITY, create your world

## OPEN LABS

### ABC – DOJO

Upper Austria Teacher-Training College (AT)

### ABLETON x MI.MU GLOVES

ABLETON (DE)

### ARTIFICIAL INTELLIGENCE LAB

Melina Undesser (AT), Sebastian Lindinger (AT), Software Architects (AT)

### BE WIRED

Judith Auer, Claudia Cruceru, Raphaela Danner, Maria-Anna Eckerstorfer, Gerda Martinez Lopez, Adina Socoliuc (AT)

### BEGEGNUNG IM ÖFFENTLICHEN RAUM

Artur Scherthaner-Lourdesamy, Vincent Entekhabi (AT)

### BRAIN LAB

Adela Perte (AT)

### CINEMA 4D – YOUTH EXCHANGE 2019

mb21 Dresden (DE), c3 Budapest (HU), ArtTechLab Amsterdam (NL) and bug'n'play Zürich (CH)

### CODER DOJO

Coder Dojo Linz (AT)

### E-DICE

Lukas Bittner (AT), Lorenzo Arturo (AT), Adam Musiejovsky (AT), Fabian Ortner (AT)

### FABLAB

Mira Alida Haberfellner (AT), Elisabeth Valarie Maurer (AT), Textiles Zentrum Haslach (AT), Ars Electronica (AT)

### FM4 SPIELEKAMMERL

ORF radio FM4 (AT)

### FUTURE ZONE

Otelo – Martin Hollinetz (AT), Flora Nimue Hollinetz (AT), Lea Felicita Haslmair (AT)

### GRAND GARAGE

Team Grand Garage (AT)

### HUMAN CYBORG

Borg Bad Leonfelden (AT), Elke Hackl (AT)

### IN REACTIO VERITAS

Felix Strobl (AT), Barbara Gregori (AT), Claudio Reiter (AT)

### IN\_VISIBLE ISLAND

Ruhiyati Idayu Abu Talib (MY), Predrag K. Nikolic (CN/RS), Mohd Shahrizal Sunar (MY)

### INTERACTIVE COVER

Barbara Gregori, Claudio Reiter, Felix Strobl und Gregor Kosian (AT)

### LITERALLY OUT OF THE BOX – analogue playground

Spieleagentur whitecastle (AT)

### MATHRIX

Hakan Lidbo (SE)

### MOOD ZUR KOMMUNIKATION

Bettina Gangl (AT), Birgit Pölz (AT), Helmut Doblhofer (AT), TeilnehmerInnen Virtual Office FAB Linz (AT)

### MUSIC RESEARCH LAB

mica – music austria (AT), FH St. Pölten (AT), Ars Electronica (AT)

### ONESHOTS

YOUKI (AT)

### OPEN KHIPU

Constanza Piña (CL)

### SLIDE AGAIN AND AGAIN

Ars Electronica (AT)

### SOCIAL INTELLIGENCE AGENCY (S.I.A.)

Landestheater Linz (AT), Ars Electronica

### space EU Exhibition: Step into Space

space EU Consortium

### STAHLSTADT

Neues Linzer Theater (AT)

### TAGTOOL PROJECTION MAPPING

OMAI (AT)

### TRAX – INTUITIVE MUSIC MAKING

Michael Lachower (IL), Gal Levy (IL)

### WONDERFUL WORLD

Dominik Schön (DE)

### WORDLAB

Ars Electronica (AT)

### ZAPZARAP

Tanja Neubäck (AT), Michael Friedl (AT), Marija Milenkovic (AT), Lina Dengg (AT)

## EXHIBITIONS

### u19 – create your world Exhibition

Ars Electronica (AT)

### GRAFFITI

Walze (AT)

### COMMON SENSE

Kevin Strüber (DE)

### WER IST CIHAN?

Schüler\*innen der IDS der business academy donaustadt (AT), Birte Bruderermann (AT)



Tagtool im Deep Space, Markus Dorninger (AT), Matthias Fritz (AT)

## TOURISMUS VON MORGEN

Max Wolschlagner (AT), OBERÖSTERREICH TOURISMUS (AT)

## spaceEU Exhibition: Step into Space

Sarah Petkus (US), We Colonise the Moon (DE/ UK), Nuotama Bodomo (GH/US), Eva Rust (CH)

## OPEN CINEMA

Ars Electronica

## EVENTS

THU 5.9. – MON 9.9 14:00

### Bring your own box –

### Introduce your game prototypes

Spieleagentur whitecastle (AT)

→ POSTCITY, create your world – LITERALLY  
OUT OF THE BOX

## ARS ELECTRONICA ANIMATION FESTIVAL

### Screenings:

THU 5.9. 10:00 – 23:30

FRI 6.9. 10:00 – 23:30

SAT 7.9. 10:00 – 19:30

SUN 8.9. 10:00 – 19:30

MON 9.9. 10:00 – 18:00

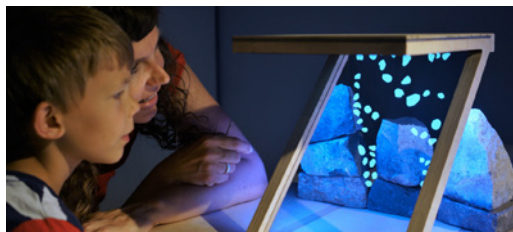
→ POSTCITY, Art Thinking House –  
Animation Festival

### Curated Programs:

Electronic Theatre, Studio Feature: Platige  
Image, VR Showcase, Music & Visuals, Data  
Narration, Narration, Expanded Animation,  
Experimental, Statement, World Machines,  
Gender, Mental States, LateNite.

### Guest Screenings:

Anifilm Třeboň, Animationsinstitut of the Film  
Academy Baden-Württemberg, Digital Media  
– Hagenberg Campus, ISCA (International  
Students Creative Award), Japan Media Arts  
Festival 2019, Young Animations



Mirages & miracles, Adrien M (FR) & Claire B (FR)



Ars Electronica 1996 – 2000, Ridin' a Train – eine musikalische  
Nachtfahrt mit dem Zug durch das Werks Gelände der Voest

## ARS ELECTRONICA FESTIVAL 2019

# WED 4.9.

## OPENINGS

16:00

### Unleash

YAIR (DE)

→ St. Mary's Cathedral

17:00

### ARS and the CITY

→ LENTOS Art Museum

18:30

### Ars Electronica Campus

→ University of Art and Design Linz

20:00

### Compass – Navigating the Future

→ Ars Electronica Center

# ARS ELECTRONICA FESTIVAL 2019

# THU 5.9.

## EVENTS, CONCERTS, PERFORMANCES

10:30 – 14:00

**Award Ceremony | Prix Ars Electronica | u19 – create your world**

→ POSTCITY, Ground Floor, Spiral Falls

11:00 – 13:00

**Radio Walk – Anton Lapov supported by the Ukrainian Institute – Anton Lapov (UA)\* WE GUIDE YOU – Expert Tour through Linz**

→ Starting Point: LENTOS Art Museum

12:00 – 13:30

**Biomedica Art: Microbioms, Plantamorphisations and Trans-species relationships, Jens Hauser (FR/DE/DK) in EN \*/\*\* WE GUIDE YOU – Expert Tour**

→ POSTCITY, WE GUIDE YOU Meeting Point

14:00 – 15:30

**Artist Walk – QUIMERA ROSA (AR/ES/FR) in EN\*/\*\***

WE GUIDE YOU – Artist Walk

→ POSTCITY, WE GUIDE YOU Meeting Point

14:00 – 15:30

**Artist Walk – Saša Spačal – How Will We Breathe? Saša Spačal (SI), Mirjan Švagelj, PhD (SI) in EN\*/\*\***

WE GUIDE YOU – Artist Walk

→ POSTCITY, WE GUIDE YOU Meeting Point

14:00 – 14:30

**SwarmOS Research Demo: Swarm Arena**

NTT (Nippon Telegraph and Telephone Corporation) (JP), Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

14:00 – 15:30

**Knowledge Engine Co-Creation Workshop (Welcome and introduction for workshop groups)**

Linz Center of Mechatronics GmbH (AT)

→ POSTCITY, AIXMusic Workshop Space

14:00 – 17:00

**Teletext Hackathon**

Nadine Arbeiter (DE), Cordula Ditz (DE), Daniel Egg (AT), Dan Farrimond (UK), Juha van Ingen (FI), Joey Holder (UK), Kathrin Günter (DE), Raquel Meyers (ES), Matthias Moos (CH), Niccolò Moronato (IT), Jarkko Räsänen (FI), Seppo Renvall (FI) and UBERMORGERN (AT/CH/US)

→ POSTCITY, Hackathon Space

14:00 – 14:10

**last breath**

Dmitry Morozov / :vtol: (RU)

→ POSTCITY, Paketspeicher

15:30 – 17:00

**ARS on the WIRE – Creating the Future, Andreas J. Hirsch (AT) in EN\*/\*\***

WE GUIDE YOU – Expert Tour

→ POSTCITY, WE GUIDE YOU Meeting Point

16:00 – 17:30

**Ars Electronica Gallery Spaces Tour, Christl Baur (DE) in EN\*/\*\***

WE GUIDE YOU – Expert Tour

→ POSTCITY, WE GUIDE YOU Meeting Point

16:00 – 18:30

**Electronic power of synthesizers and drum machines on live experimental level – Concert**

Dilna Rekords (RO)

→ POSTCITY, CAMPUS – CINETic Bucharest

16:30 – 16:40

**last breath**

Dmitry Morozov / :vtol: (RU)

→ POSTCITY, Paketspeicher

17:00 – 17:30

**SwarmOS Research Demo: Swarm Arena**

NTT (Nippon Telegraph and Telephone Corporation) (JP), Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

18:00 – 02:00

**Holy Hydra**

Raumteiler Linz Kulturverein Amanda Augustin (AT), Lorena Höllrigl (AT)

→ St. Josef Parish Church

18:00 – 19:30

**Symposium**

Stefanie Duttweiler (CH), Barbara van der Meulen (CH), Stefan Netsch (AT)

20:00 – 02:00

**Holy Hydra Nightline**

Alllone (GreyNote/Duzz Down San – AT), Antonia XM /(Ashida Park/In Dada Social – AT), Eliot (Backlab – AT), FVBIO (Ashida Park/Synes – IT/AT), Eliot (Backlab – AT); Marlene Fally (NL/AT)

19:30 – 22:00

★ **Ars Electronica Special \*\*\*\*\***

→ POSTCITY, Train Hall

22:00 – 23:30

**Why Are We Creative? – Screening**

Herman Vaske (DE)

→ POSTCITY, Art Thinking Stage

19:30 – 00:40

★ **Ars Electronica Opening:  
Unboxing the Festival**→ POSTCITY, Courtyard, Train Hall &  
Basement Stage

19:30 – 19:50

**Transmission, Live from the Award Ceremony**

→ POSTCITY, Courtyard

19:30 – 20:00

**The Feline Project\*\*\*\***

Dagmar Dachauer (AT), Kilian Immervoll (AT)

→ POSTCITY, Art Thinking House, Basement Stage

19:50 – 20:10

**Voices from AI in Experimental Improvisation**Tomomi Adachi (JP), Andreas Dzialocha (DE), Marcello  
Lussana (IT)

→ POSTCITY, Courtyard

20:15 – 20:35

**Reeps One x Dadabots ft. Second Self AI**

→ POSTCITY, Courtyard

20:30 – 20:40

**TechiEon\*\*\*\***

Corea Impact (KR)

→ POSTCITY, Art Thinking House, Basement Stage

20:40 – 21:00

**ULTRACHUNK**

Jennifer Walshe (IE), Memo Akten (TR)

→ POSTCITY, Courtyard

21:00 – 21:30

**Vocals\*\*\*\***

Caral Bolgeri (CL/IT), Francisco Marín (CL)

→ POSTCITY, Art Thinking House, Basement Stage

21:05 – 21:35

**A-MINT**

Alex Braga (IT) Visuals by A-MINT and Cliché (IT)

→ POSTCITY, Courtyard

21:45 – 22:05

**ELECTRONICOS FANTASTICOS! featuring  
Stefan Tiefengraber**

Ei Wada (JP), Stefan Tiefengraber (AT)

→ POSTCITY, Courtyard

22:00 – 22:30

**[re]BO[u]NDS ~ expanded media\*\*\*\***

Giulio Colangelo (IT), Valerio De Bonis (IT) – LOXOSconcept

→ POSTCITY, Art Thinking House, Basement Stage

22:15 – 23:00

**Ritornell (AT) & Mimú Merz (AT)**

→ POSTCITY, Courtyard

23:00 – 00:00

**Secret Gala – Hiding in Plain Sight**

Award ceremony for all prize winners 2019

&amp; Ars Electronica Originals

→ POSTCITY, Courtyard

23:00 – 00:00

**Vladislav Delay & AGF present Rakka (DE/FI)**

→ POSTCITY, Train Hall

00:10 – 00:55

**subassemblies**

Ryoichi Kurokawa (JP)

→ POSTCITY, Train Hall

## CONFERENCES, LECTURES, WORKSHOPS

10:00 – 16:45

**“Prospects for Political Education”****Symposium (see program on page 52)**

PH OÖ (AT), AK OÖ (AT)

→ POSTCITY, Lecture Stage

11:00 – 18:00

**Ars Electronica History Day**

→ POSTCITY, Conference Hall

11:00 – 12:30

**100 Jahre Bauhaus – We are not alone**Host: Ursula Damm (DE) Speakers: Yvonne Volkart Schmidt  
(CH), Georg Trogemann (DE), Lasse Scherffig (DE), Alexandra  
Toland (US/DE), Frank Eckard (DE)

12:30 – 13:30

**Telecommunications Art**Host: Josephine Bosma (NL) Speakers: Bill Bartlett (CA),  
Doug Jarvis (CA), Tilman Baumgärtel (DE), Elisabeth  
Zimmermann (AT), Heidi Grundmann (AT), Salvatore Vanasco  
(IT/DE)

14:00 – 18:00

**Ars Electronica History Summit**Gerfried Stocker (AT), Hannes Leopoldseder (AT), Herbert  
W. Franke (AT), Peter Weibel (AT), Gottfried Hattinger (AT),  
Andreas Broeckmann (DE), Derrick de Kerckhove (CA),  
Hiroshi Ishii (JP/US), Jon Cates (US), Vus Cosic (SI), Christa  
Sommerer (AT), Machiko Kusahara (JP), Yukiko Shikata (JP),  
Minoru Hatanaka (JP), Atsuhito Sekiguchi (JP), Yoichiro  
Kawaguchi (JP), DooEun Choi (KR/US), Eduardo Kac (BR),  
Jens Hauser (DE/FR/DK), Monika Fleischmann (DE), Wolfgang  
Strauss (DE), Kyoko Kunoh (JP), Marta de Menezes (PT),  
Andreas J. Hirsch (AT)

11:30 – 12:30

**Ars Electronica Art Thinking School / Future Innovators Summit – Welcome Tour**

→ POSTCITY, Art Thinking House

12:30 – 14:00

**Gallery Spaces Panel I: Unlocking the power of digital art and emerging technologies to radically disrupt the art market**

Moderation: Lovis Leonardo Lüpertz (DE)

Speakers: Pegah Ghajavand (DE), Anna Jill Lüpertz (DE), Robert Montgomery (UK), Wu Juehui (CN)

→ POSTCITY, Gallery Spaces Stage

15:00 – 17:30

**Digital Theater Network Meeting**

Moderation: Paulien Geerlings (NL) Speakers: Andreas Erdmann (AT), Roland Haring (AT), Marcel Karnapke (DE), Björn Lengers (DE), Nimrod Vardi (UK), Fiona Zisch (UK), Alexandru Berceanu (RO)

→ POSTCITY, AIXMusic Stage

16:00 – 17:30

**Chilean Artist Talk**

Speakers: Mónica Bate (CL), Constanza Piña (CL), Carla Bolgeri (CL/IT), Francisco Marín (CL), Jean Danton Laffert (CL), Karin Astudillo (CL), Camilo Gouet (CL), Gonzalo Mezza (CL), Sebastián Vidal Valenzuela (CL)

→ POSTCITY, AIXMusic Workshop Space

**DEEP SPACE 8K**

→ Ars Electronica Center

10:00 – 10:30

**Daily Selection**

10:30 – 11:00

**Best of Deep Space 8K Standards**

11:00 – 11:30

**Beyond the Frame: 8K Future Project**

NHK (Japan Broadcasting Corporation) (JP), Ars Electronica Futurelab (AT)

11:30 – 12:00

**Immersify**

12:00 – 12:30

**Daily Selection**

12:30 – 13:00

**Best of Deep Space 8K Standards**

13:00 – 13:30

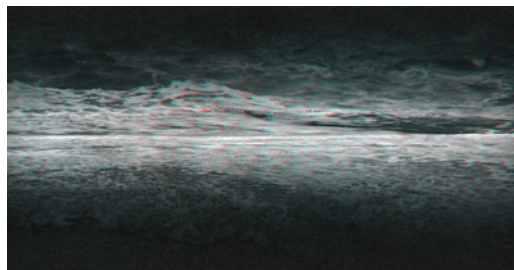
**Preview: Pressure + Artist Talk**

Julian Pixel Schmiederer (AT), Gregor Franz (AT), Johannes Rass (AT), Lara Rabitsch (AT)

14:00 – 14:30

**Liquidus**

Roman Divotkey (AT), Nora Loimayr (AT), Christoph Schaufler (AT), Wolfram Weingartner (AT)

**NOLANDX, Ulf Langheinrich (DE)**

14:30 – 15:00

**Best of Deep Space 8K Standards**

15:00 – 16:00

**LSF-500 — Project, LEONARDO: SHAPING THE FUTURE ... 500 years of vision\*\*\***

Franz Fischnaller (IT)

16:00 – 16:30

**Quantum Logos**

Mark Chavez (US), Ina Conradi (SG), Tate Chavez (US), Bianka Hofmann (DE), Bob Kastner (AU)

16:30 – 17:00

**Animation Festival @ Deep Space 8K – Part 1**

17:00 – 17:30

**Best of Deep Space 8K Standards**

17:30 – 18:00

**tx-reverse 360°**

Virgil Widrich (DE), Martin Reinhart (AT)

18:00 – 18:30

**NOLANDX**

Ulf Langheinrich (DE)

18:30 – 19:00

**Deep Quiz**

Andrea Aschauer (AT), Jeremiah Diephuis (US), Jürgen Hagler (AT), Wolfgang Hochleitner (AT), Georgi Kostov (BG), Gabriel Mittermair (AT)

19:00 – 19:30

**Best of Deep Space 8K Standards**

19:30 – 20:00

**VH AWARD by Hyundai Motor Group (KR)**

Dongjoo Seo (KR), Youngkak Cho (KR), 최찬숙 Chansook Choi (KR)

**CREATE YOUR WORLD Festival**

10:00 – 19:30

**Audio Design Goes Interactive**

Fachhochschule St. Pölten (AT)

→ POSTCITY, create your world



# ARS ELECTRONICA FESTIVAL 2019

# FRI 6.9.

## EVENTS, CONCERTS, PERFORMANCES

too late

### Climate Shutdown

Fridays for Future

→ World

11:00 – 12:00

### Knowledge Engine Co-Creation Workshop: Group Presentations and Exchanges

Linz Center of Mechatronics GmbH (AT)

→ POSTCITY, Hackathon Space

11:00 – 12:30

### Artist Walk – Andy Gracie, in EN\*/\*\*

WE GUIDE YOU – Artist Walk

→ POSTCITY, WE GUIDE YOU Meeting Point

12:00 – 13:30

### Shared Habitats – Bauhaus-Universität Weimar@aecampus, Ursula Damm (DE), Mindaugas Gapševičius (LT/DE), in (DE/EN)\*

WE GUIDE YOU – Experts Tour

→ University of Art and Design Linz

13:00 – 15:00

### ARS and Mariendom, Tilman Hatje (DE), in EN

WE GUIDE YOU – Expert Tour

→ Start: St. Mary's Cathedral

13:00 – 14:30

### Human Limitations – Limited Humanity, Christl Baur (DE), in EN\*/\*\*

WE GUIDE YOU – Expert Tour

→ POSTCITY, WE GUIDE YOU Meeting Point

14:00 – 14:10

### last breath – Performance

Dmitry Morozov / ::vtol:: (RU)

→ POSTCITY, Paketspeicher

15:00 – 15:30

### SwarmOS Research Demo: Swarm Arena

NTT (Nippon Telegraph and Telephone Corporation) (JP),

Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

15:30 – 17:00

### Prix Ars Electronica: Life's intelligence, beyond human cognition,

Jens Hauser (DE/FR/DK), in EN\*/\*\*

WE GUIDE YOU – Expert Tour

→ ÖÖ Kulturquartier

16:30 – 16:40

### last breath – Performance

Dmitry Morozov / ::vtol:: (RU)

→ POSTCITY, Paketspeicher

16:30 – 17:00

### SwarmOS Research Demo: Swarm Arena

NTT (Nippon Telegraph and Telephone Corporation) (JP),

Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

17:00 – 17:10

### Performance: TechEon\*\*\*\*

Corea Impact (KR)

→ POSTCITY, Art Thinking House, Basement Stage

17:00 – 18:00

### U><N<>I<<T>>A #Urbana Natura in\_hancing\_ The\_Augmented

STATION ROSE (AT)

→ Galerie Hofkabinett, Hofgasse 12, 4020 Linz

17:30 – 18:00

### Performance: Vocals\*\*\*\*

Caral Bolgeri (CL/IT), Francisco Marín (CL)

→ POSTCITY, Art Thinking House, Basement Stage

18:00 – 18:30

### SwarmOS Research Demo: Swarm Arena

NTT (Nippon Telegraph and Telephone Corporation) (JP),

Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

18:00 – 02:00

### Holy Hydra

Raumteiler Linz Kulturverein Amanda Augustin (AT),

Lorena Höllrigl (AT)

→ St. Josef Parish Church

18:00 – 20:00

### Urlaub im Garten

20:00 – 03:00

### Holy Hydra Nightline

Alja Ferjan & Barbara Vuzem, Björn Büchner & Klaus

Reznicek (#bumbummitniveau, Hydra – AT), Halfflow

(Lifestyle Musik UK – AT), Therese Terror (BLISS,

Hyperreality – AT)

18:30 – 19:00

### Performance: [re]BO[u]NDS ~ expanded media\*\*\*\*

Giulio Colangelo (IT), Valerio De Bonis (IT) – LOXOSconcept

→ POSTCITY, Art Thinking House, Basement Stage

19:30 – 21:30

**Why Are We Creative? – Screening with Q&A, the artist is present**

Herman Vaske (DE)

→ POSTCITY, Art Thinking Stage

19:35 – 06:28

**STWST48x5 STAY UNFINISHED CLUB**

Stadtwerkstatt (AT)

→ Stadtwerkstatt, Ars Electronica Maindeck, Danube

21:00 – 21:45

**AlgorithmZoo Pt. 5.: KTV Session – Concert: Livemapping, 12 channel audio (2019)**

Rico Graupner (DE)

→ University of Arts and Design, Main Square Courtyard

22:00 – 23:30

**Why Are We Creative? – Screening**

Herman Vaske (DE)

→ POSTCITY, Art Thinking Stage

20:00 – 22:00 (Doors open 19:30)

**★ Big Concert Night \*\*\*\***

in cooperation with the Buckner Orchestra Linz

→ POSTCITY, Train Hall

20:00 – 20:30

**Mahler Remixed**

Fennesz (AT) &amp; Lillevan (SE/IE)

20:30 – 21:40

**The Mahler Unfinished Project**

Bruckner Orchestra Linz (AT) conducted by Markus Poschner  
 Electronics: Christian Fennesz; Piano: Markus Poschner (AT); Human-machine performance: Johannes Braumann (AT) Creative Robotics / UfG Linz, Silke Grabinger (AT), Ars Electronica Futurelab, Peter Freudling (AT), Stefan Mittlböck-Jungwirth-Fohringer (AT), Roland Aigner (AT); Artificial Intelligence: Ali Nikrang (AT), MuseNet OpenAI; Live Visualizations: Akiko Nakayama (JP), Amir Bastan (IR), Gerhard Senz (AT)

22:00 – 04:00

**★ Ars Electronica Nightline**

→ POSTCITY

22:00 – 22:45

**Tripods One Live A/V**

Moritz Simon Geist (DE)

→ POSTCITY, Courtyard

22:50 – 23:35

**RRUCCULLA (ES) Live A/V**

→ POSTCITY, Courtyard

23:00 – 23:15

**underbody – Silk (AT)**

→ POSTCITY, Train Hall

23:15 – 23:35

**AG-MX70 DDX3216**

Stefan Tiefengraber (AT)

→ POSTCITY, Salonstage

23:20 – 00:00

**Babii (UK) Live**

→ POSTCITY, Train Hall

23:40 – 00:25

**Chronic Youth (AT) Live A/V**

→ POSTCITY, Salonstage

00:05 – 00:50

**Cid Rim (AT) Live**

→ POSTCITY, Train Hall

00:30 – 01:25

**HDMIRROR (UK) Live A/V**

→ POSTCITY, Salonstage

01:00 – 01:55

**Sinjin Hawke & Zora Jones (WWW) Live A/V**

→ POSTCITY, Train Hall

01:30 – 02:45

**Masha Dabelka (AT) DJ**

→ POSTCITY, Salonstage

02:45 – 04:00

**Polyxene (GR) DJ**

→ POSTCITY, Salonstage

## CONFERENCES, LECTURES, WORKSHOPS

10:00 – 16:00

**AiXMusic Workshops**Registration via [aixmusic-workshops.eventbrite.de](https://aixmusic-workshops.eventbrite.de)

→ POSTCITY, AiXMusic Workshop Space

10:00 – 11:00

**Art of Intelligent Interruption and Augmented Relationships**

Reeps One (UK) &amp; Domhnaill Hernon (IE), Nokia Bell Labs

11:30 – 13:00

**Computer Music design and research IRCAM**

Jérôme Nika (FR), Daniele Ghisi (IT)

13:30 – 14:30

**Digital Musical Interactions**

Koray Tahiroğlu (FI/TR)

15:00 – 16:00

**Recommenders and Intelligent Tools in Music Creation: Why, Why Not, and How?**

Christine Bauer (AT), Peter Knees (AT), Richard Vogl (AT), Hansi Raaber (AT)

\*\*\*\* Limited capacity. Admission with valid ticket or voucher in combination with a Festival pass or One-Day pass for Friday only. (Vouchers for the Big Concert Night can be redeemed free of charge at the POSTCITY Infodesk according to availability until 6.9. at 12 noon on presentation of a valid Festival or Day pass)





Vocals, Carla Bolgeri (CL/IT), Francisco Marin (CL)

10:00 – 17:15

### The Messy Shape of Problems – Past, Present and Future Perspectives of Design

Academic Design Network Austria

→ POSTCITY, Campus – Academic Design Network Austria

10:00 – 13:00

### Impulse Talks + Academic Speed Dating: Approaches to Design

13:45 – 16:45

### Exploring Processes and Solutions: Asking relevant questions – Finding appropriate methods

16:45 – 17:15

### Feedback and conclusion

10:00 – 19:30

### STARTS Day

→ POSTCITY

10:00 – 12:00

### Practices and Impacts of STARTS Collaborations

Initiatives: Ars Electronica Futurelab, Daimler AG, Re-FREAM, MindSpaces, Espronceda, STARTS Prize, EPFL+ECAL Lab, STARTS Residencies, IRCAM, Stochastic Labs, Experiments in Arts and Technology (E.A.T.) at Nokia Bell Labs, STARTS Ecosystem, Immersify, City University Hong Kong  
 Speakers: Hideaki Ogawa (JP/AT), Sabine Engelhardt (DE) & Alexander Mankowsky (DE), Isabel Berz (DE), Alejandro Martín Naranjo (ES), Florina Costamoling (AT), Nicolas Henchoz (CH), Hugues Vinet (FR), Vero Bollow (US), Domhnaill Hernon (IE), Aurelie Delater (PR), Roland Haring (AT), Maurice Benayoun (FR/HK) Moderation: Lucas Evers (NL)

→ POSTCITY, AIXMusic Stage

12:15 – 13:15

### Regional STARTS Centers

In collaboration with BOZAR, Gluon, French Tech Culture, Meet, MADE Group, Ars Electronica and Film University Babelsberg

→ POSTCITY, AIXMusic Stage

13:30 – 15:00

### Co-Thinking the Renewal of Fashion

In collaboration with Re-FREAM.

Speakers: Jessica Smarsch (US), Giulia Tomasello (IT), Tommaso Busolo (IT), Ivan Parati (IT), Julia Körner (AT), Jef Montes (NL), Ganit Goldstein (IL), Michael Wieser (AT), Viktor Weichselbauer (AT), Elisabeth Jayot (FR), Fabio Molinas (IT)

→ POSTCITY, AIXMusic Stage

13:00 – 14:30

### GET.Inspired

Moderation: Bradley Dunn Klerks (NL/BE);

Speakers: Johannes Klinglmayr (AT), Jen Keane (US), Drew Hemment (UK), Idalene Rapp (DE) & Natascha Unger (DE), Andreas Perotti (AT), Xin Liu (CN/US), Nobutaka Ide (JP), Johannes Braumann (AT), Markus Dorninger (AT), Sandra Blas (DE/US), Salomé Bazin (FR), Charlotte Jarvis (UK), Philipp Wintersberger (AT), Clemens F. Scharfen (AT), Sputniko! (JP/UK), Markus Roth (AT)

→ POSTCITY, Lecture Stage

15:15 – 16:45

### Legal Frameworks for STARTS Collaborations

Speakers: Robert Bauer (AT), Jie Qi (US), Lucas Evers (NL), Domhnaill Hernon (IE), Camille C. Baker (CA/UK), Daehyung Lee (KR) Moderation: Christopher Lindinger (AT)

→ POSTCITY, AIXMusic Stage

17:00 – 18:00

### STARTS Talks

Speakers: Mar Santamaria Varas (ES), Pablo Martínez (ES), Bjørn Karmann (DK), Tore Knudsen (DK)

Moderation: Nadav Hochman (US)

→ POSTCITY, Conference Hall

18:00 – 19:30

### Humanizing AI

Roberto Viola (IT), Martina Mara (AT), Simon Euringer (DE/US), Keiichiro Shibuya (JP), Alexander Mankowsky (DE), Hermann Erlach (AT), Hiroshi Ishii (JP/US)

→ POSTCITY, Conference Hall

10:00 – 12:00

### Abstract CyberRäuber-Workshop

Marcel Karnapke (DE), Björn Lengers (DE)

→ Ars Electronica Center, Project Space

10:00 – 12:30

### Talk: Ars Electronica Australia

Presentations: Hamish Banham (AU), Kelly Hodge (AU), Dr. Ryan Jefferies (AU), Peter Lloyd (AU/US), Dr. Anne-Scott-Wilson (AU) Panel Discussion: Dr. Ryan Jefferies (AU), Glenn Harding (NZ), Kendal Rossi (CA/AU), Adam Zammit (AU) Closing words: Ambassador Dr. Brendon Hammer (AU) Moderation: Lubi Thomas (AU), Ars Electronica Australia

→ POSTCITY, Open Futurelab

10:30 – 19:30

### Innovationsforum GET.Inspired

→ POSTCITY

10:30 – 11:00

### Welcome and Opening

Doris Hummer (AT), Doris Lang-Mayerhofer (AT), Gerfried Stocker (AT)

→ POSTCITY, Conference Hall

11:00 – 12:00

### Welcome to the Midlife Crisis

→ POSTCITY, Conference Hall

13:00 – 14:30  
**GET.Inspired**

→ POSTCITY, Lecture Stage

15:15 – 16:45  
**Legal framework for STARTS collaborations**

→ POSTCITY, AIXMusic Stage

17:00 – 18:00  
**STARTS Talks**

→ POSTCITY, Conference Hall

18:00 – 19:30  
**Humanizing AI**

→ POSTCITY, Conference Hall

11:00 – 19:30  
**Midlife Crisis of the Digital Revolution**

→ POSTCITY, Conference Hall

11:00 – 12:00  
**Welcome to the Midlife Crisis**

Gerfried Stocker (AT), Walter Ötsch (AT), Martin Rauchbauer (AT/US)

12:00 – 13:30  
**Creativity, Art & Education**

Lynn Hughes (CA), Hermann Vaske (DE), Rachel Goslins (US)

14:00 – 15:30  
**Activate & Participate**

Amanda Cox (US), Marta Peirano (ES), Fridays for Future (INT)

15:30 – 17:00  
**Trajectories**

Sarah Petkus (US), Aza Raskin (US), Andrew Pickering (UK)

18:00 – 19:30  
**Humanizing AI**

Roberto Viola (IT), Martina Mara (AT), Simon Euringer (DE/US), Keiichi Shibuya (JP), Alexander Mankowsky (DE), Hermann Ertlach (AT), Hiroshi Ishii (JP/US)

12:00 – 17:45  
**Expanded Animation – Out of the Box & Prix Forum I – Computer Animation**

Upper Austria University of Applied Sciences Hagenberg Campus (AT), Ars Electronica (AT)

→ POSTCITY, Art Thinking Stage

12:00 – 12:15  
**Welcome**

Gerfried Stocker (AT), Juergen Hagler (AT), Alexander Wilhelm (AT)

12:15 – 13:45  
**Prix Forum I – Computer Animation**

Moderation: Birgitta Hosea (SW/UK), Jury member Speakers: Kalina Bertin (CA) – Manic VR, Golden Nica / Ruini Shi (CN) – Strings, Award of Distinction / Cindy Coutant (FR) – Undershoot, sensitive data: Cristiano, Award of Distinction

14:00 – 14:30  
**Book Presentation**

14:30 – 16:00  
**Out of the Box I**

Jakob Schuh (DE), Klaudiusz Wesolowski (PL)

16:15 – 17:45  
**Out of the Box II**

Mark Chavez (US), Murat Pak (TR)

13:00 – 14:30  
**Gallery Spaces Panel II: Art & Science for Ecology**

Moderation: Tatiana Kourochkina (RU) Speakers: Joaquin Fargas (AR), Daniel López del Rincón (ES), Maja Smrekar (SI)

→ POSTCITY, Gallery Spaces Stage

13:00 – 14:30  
**PhD PANEL: slow algorithms and the hazards of standardization**

Bauhaus University (DE)

→ University of Art and Design Linz, Main Square, Gläserner Hörsaal

14:00 – 16:30  
**Talk: Ars Electronica Partners Network**

Speakers: Adam Zammit (AU) & Kerry Hunt (AU), 3Fest, Wollongong Australia / Mona Liem (ID): Media Art Globale, Jakarta Indonesia / Werner Jauk (AT) Ars Electronica Research Institute / Eveline Wendl-Vogt (AT), Ars Electronica Research Institute/ Phillipp Wintersberger (DE), CARISSIMA. Moderation: Horst Hörtnner (AT), Ars Electronica Futurelab

→ POSTCITY, Open Futurelab

15:00 – 16:30  
**Gallery Spaces Panel III: The Potential and Limitations of the Media Art Market**

Moderation: DooEun Choi (KR/US) Speakers: Jason Fomberg (US), Eduardo Kac (BR/US), Kelani Nichole (US), Wiyu Wahono (ID), Anne-Cécile Worms (FR)

→ POSTCITY, Gallery Spaces Stage

16:00 – 18:00  
**Ars Electronica Art Thinking School / Future Innovators Summit – Creative Question Workshop**

→ POSTCITY, Art Thinking House

16:00 – 18:30  
**Expert Workshop on AIXCulture**

Moderation: Drew Hemment (UK)

→ POSTCITY, AIXMusic Workshop Space



Deep Space 8K — Ars Electronica Center

## DEEP SPACE 8K

→ Ars Electronica Center

10:00 – 11:00

**Immersify 8K Live Streaming Demo**

11:00 – 11:30

**Beyond the Frame: 8K Future Project**

NHK (Japan Broadcasting Corporation) (JP), Ars Electronica Futurelab (AT)

11:30 – 12:00

**Daily Selection**

12:00 – 12:30

**Animation Festival @ Deep Space 8K – Part 1**

12:30 – 13:00

**Best of Deep Space 8K Standards**

13:00 – 13:30

**NOLANDX**

Ulf Langheinrich (DE)

13:30 – 14:00

**VH AWARD by Hyundai Motor Group (KR)**

Dongjoo Seo (KR), Youngkak Cho (KR), 최찬숙 Chansook Choi (KR)

14:00 – 14:30

**Best of Deep Space 8K Standards**

14:30 – 15:30

**LSF-500 — Project, LEONARDO: SHAPING THE FUTURE ... 500 years of vision\*\*\***

Franz Fischnaller (IT)

15:30 – 16:00

**ORF TELETEXT trifft Kunst**

Nadine Arbeiter (DE), Cordula Ditz (DE), Daniel Egg (AT), Dan Farrimond (UK), Juha van Ingen (FI), Joey Holder (UK), Kathrin Günter (DE), Raquel Meyers (ES), Matthias Moos (CH), Niccolò Moronato (IT), Jarkko Räsänen (FI), Seppo Renvall (FI) and UBERMORGERN (AT/CH/US)

16:00 – 17:00

**The Great Pyramid in 3D, from the BBC Series Ancient Invisible Cities\*\*\***

BBC Studios (UK), ScanLab Projects (UK)

17:00 – 17:30

**Immersify**

17:30 – 18:00

**Best of Deep Space 8K Standards**

18:30 – 19:30

**Sonar Flux \*\*\***

Kaoru Tashiro (JP), OUCHHH (TR)

20:00 – 20:15

**Che si può fare?**

Monica Vlad (RO), Johanna Falkinger (AT)

## CREATE YOUR WORLD Festival

10:00 – 19:30

**Audio Design Goes Interactive**

Fachhochschule St. Pölten (AT)

→ POSTCITY, create your world

16:00 – 17:30

**spaceEU Activity: Space Café**

→ POSTCITY, create your world – Open Kitchen

# ARS ELECTRONICA FESTIVAL 2019

# SAT 7.9.

## EVENTS, CONCERTS, PERFORMANCES

10:00 – 12:00

### BR41N.IO Hackathon

g.tec medical engineering GmbH (AT)

→ POSTCITY, Hackathon Space

10:00 – 10:30

### Welcome

10:30 – 11:00

### Current and future applications of BCI

11:00 – 11:30

### How to run a real-time BCI application

11:30 – 12:00

### Unicorn Brain Interface Demonstration

10:00 – 17:00

### Organic Farmers' Market

BIO AUSTRIA, Upper Austria

→ POSTCITY, First Floor, Entrance Waldeggstraße

10:00 – 18:00

### Internet Yami-Ichi

→ POSTCITY, First Floor, Entrance Waldeggstraße

11:00 – 12:30

### Artist Walk – Marta de Menezes (PT) & Luís Graça (PT), in EN\*/\*\*

WE GUIDE YOU – Artist Walk

→ POSTCITY, WE GUIDE YOU Meeting Point

13:00 – 13:30

### SwarmOS Research Demo: Swarm Arena

NTT (Nippon Telegraph and Telephone Corporation) (JP),  
Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

14:00 – 14:30

### Frühe Visionen virtueller Musik

Thomas Gorbach (AT)

→ St. Florian Monastery, Keller

14:00 – 15:00

### Organ Recital

Hermann Nitsch (AT)

→ St. Florian Monastery, Basilika

14:00 – 15:30

### The shape of Technology to come – Campus Exhibition, Violeta Gil Martínez (ES), in ES\*/\*\* WE GUIDE YOU – Expert Tour

→ POSTCITY, WE GUIDE YOU Meeting Point

14:30 – 15:00

### WM\_EX10 TCM\_200DV TP-VS500 MS-201 BK26 MG10

Stefan Tiefengraber (AT)

→ St. Florian Monastery, Keller

15:00 – 15:30

### Fantasie#1

Quadrature (DE) in collaboration with Christian Losert (DE)

→ St. Florian Monastery, Basilika

15:00 – 15:30

### Sphärenmusik

Thomas Gorbach (AT)

→ St. Florian Monastery, Keller

15:00 – 15:30

### The tenor duets of Claudio Monteverdi

Ensemble vivante (AT)

→ St. Florian Monastery, Tafelzimmer

15:00 – 16:30

### Space Art at Ars Electronica, Laura Welzenbach (AT), in EN\* WE GUIDE YOU – Expert Tour

→ POSTCITY, WE GUIDE YOU Meeting Point

15:00 – 15:30

### SwarmOS Research Demo: Swarm Arena

NTT (Nippon Telegraph and Telephone Corporation) (JP),  
Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

15:30 – 16:00

### WM\_EX10 TCM\_200DV TP-VS500 MS-201 BK26 MG10

Stefan Tiefengraber (AT)

→ St. Florian Monastery, Keller

15:30 – 16:00

### SHOJIKI “Play Back” Curing Tapes

Muku Kobayashi (JP), Mitsuru Tokisato (JP)

→ St. Florian Monastery, Marmorsaal

15:30 – 16:00

### C'est pour ça

Jérôme Nika (FR), Rémi Fox (FR)

→ St. Florian Monastery, Altomonte Saal

SAT 7.9.

15:30 – 17:00

**Living inside Schrödinger's Box,**  
**Matthias Hörtenhuber (AT), in EN\*/\*\***  
WE GUIDE YOU – Expert Tour European  
ARTificial Intelligence Lab  
→ POSTCITY, WE GUIDE YOU Meeting Point

16:00 – 16:30

**Die Additive Farbtonmischung und Weiteres**  
Thomas Gorbach (AT)  
→ St. Florian Monastery, Keller

16:00 – 16:30

**Orogenesis.... spatial piano improvisation**  
**inspired by the formation of mountains**  
Rupert Huber (AT)  
→ St. Florian Monastery, Marmorsaal

16:00 – 16:30

**The tenor duets of Claudio Monteverdi**  
Ensemble vivante (AT)  
→ St. Florian Monastery, Tafelzimmer

16:10 – 16:30

**Interactions II**  
Martina Claussen (DE)  
→ St. Florian Monastery, Gruft

16:30 – 17:00

**Orgelmusik im Spannungsfeld von Inspiration,**  
**Komposition und Improvisation**  
Klaus Sonnleitner (AT) Monastery Organist of St. Florian  
→ St. Florian Monastery, Basilika

16:30 – 17:00

**WM\_EX10 TCM\_200DV TP-VS500 MS-201**  
**BK26 MG10**  
Stefan Tiefengraber (AT)  
→ St. Florian Monastery, Keller

16:30 – 17:00

**Tenebrae**  
Roberto Paci Dalò (IT)  
→ St. Florian Monastery, Marmorsaal

16:30 – 17:00

**Maki Namekawa performs Joep Beving**  
Maki Namekawa (JP)  
→ St. Florian Monastery, Altomonte Saal

16:30 – 17:30

**Die Kraftplätze unseres Klosters, Generalabt**  
**Johann Holzinger des Stift St. Florian (AT), in**  
**DE\***  
WE GUIDE YOU – Expert Tour  
→ St. Florian Monastery, Meeting Point:  
NOVIZENGARTEN

16:30 – 18:00

**Art Market Initiative Tour 2019,**  
**Christina Steinbrecher-Pfandt (DE/US)\*/\*\***  
WE GUIDE YOU – Expert Tour  
→ POSTCITY, WE GUIDE YOU Meeting Point

17:00 – 17:30

**SwarmOS Research Demo: Swarm Arena**  
NTT (Nippon Telegraph and Telephone Corporation) (JP),  
Ars Electronica Futurelab (AT)  
→ POSTCITY, Gleishalle Foyer

17:00 – 17:30

**Fantasie#1**  
Quadrature (DE) in collaboration with Christian Losert (DE)  
→ St. Florian Monastery, Basilika

17:00 – 17:30

**Teilchenmusik**  
Thomas Gorbach (AT)  
→ St. Florian Monastery, Keller

17:00 – 17:30

**Johann Sebastian Bach: Suites for**  
**unaccompanied cello**  
Yishu Jiang (AT)  
→ St. Florian Monastery, Marmorsaal

17:00 – 17:30

**The tenor duets of Claudio Monteverdi**  
Ensemble vivante (AT)  
→ St. Florian Monastery, Tafelzimmer

17:00 – 18:00

**U><N<>I<<T>>A #Urbana Natura in\_hancing\_**  
**The\_Augmented**  
STATION ROSE (AT)  
→ Galerie Hofkabinett, Hofgasse 12, 4020 Linz

17:30 – 18:00

**Cumulus – Stratus**  
Volkmar Klien (AT)  
→ St. Florian Monastery, Novizengarten

18:00 – 18:30

**Ephemer dynamisch-bewegte Klangskulpturen**  
Thomas Gorbach (AT)  
→ St. Florian Monastery, Keller

18:00 – 19:00

**Die Hochzeit zwischen Tugend und**  
**Wissen(schaft), Kustos des Stift St. Florian**  
**Harald R. Ehrl (AT), in DE\***  
WE GUIDE YOU – Expert Tour  
→ St. Florian Monastery, Meeting Point:  
ADLERBRUNNEN

18:00 – 19:00

**Führung zur und in die Brucknerorgel –**  
**Intelligenz in Design und Technik, Ästhetik**  
**und Spiel, Stiftsorganist und – Kantor MMag.**  
**Klaus Sonnleitner (AT), in DE\***  
WE GUIDE YOU – Expert Tour  
→ St. Florian Monastery,  
Meeting Point: Infodesk Stift St. Florian

18:30 – 19:00

**Voices from AI in Experimental Improvisation**  
Tomomi Adachi (JP)  
→ St. Florian Monastery, Gruft

18:30 – 19:00

**WM\_EX10 TCM\_200DV TP-VS500 MS-201  
BK26 MG10**

Stefan Tiefengraber (AT)

→ St. Florian Monastery, Keller

18:30 – 19:00

**Bach Hauer Scelsi Cage**

Weiping Lin (AT/TW)

→ St. Florian Monastery, Marmorsaal

18:30 – 19:00

**Piano Performance**

Maki Namekawa (JP), Dennis Russell Davies (US)

→ St. Florian Monastery, Altomonte Saal

19:00 – 19:30

**Virtuell – Aktuell – Akusmatisch (Live)**

Thomas Gorbach (AT), Anton Iakhontov (RU), Martina Claussen (AT), Bruno Strobl (AT)

→ St. Florian Monastery, Keller

19:00 – 19:30

**Bruckner Percussion Ensemble  
performs Xénakis**

Leonhard Schmidinger (AT), Fabian Homar (AT), Vladimir Petrov (BG)

→ St. Florian Monastery, Marmorsaal

19:30 – 20:00

**WM\_EX10 TCM\_200DV TP-VS500 MS-201  
BK26 MG10**

Stefan Tiefengraber (AT)

→ St. Florian Monastery, Keller

19:32 – 06:29

**STWST48x5 STAY UNFINISHED CLUB**

Stadtwerkstatt (AT)

→ Stadtwerkstatt, Ars Electronica Maindeck, Danube

20:00 – 22:00

**Evening concert / Abendkonzert**

→ St. Florian Monastery, Basilika

**Sonar Flux**

Kaoru Tashiro (JP)

**Dear Glenn, – Yamaha AI Project &  
Francesco Tristano & Norbert Trawöger &  
Maria Elisabeth Köstler**

Francesco Tristano (LU), Norbert Trawöger (AT), Maria Elisabeth Köstler (AT/DE), Akira Maezawa (JP; Yamaha Corporation)

**GRAND JEU 2**

Wolfgang Mitterer (AT)

**Heavy Requiem – Buddhist Chant:  
Shomyo + Electronics**

Eizen Fujiwara (JP), Keiichiro Shibuya (JP), Justine Emard (FR)

20:30 (Warm-Up 19:00)

**170 Jahre Sparkasse OÖ Jubiläumsklangwolke  
presented by LINZ AG****"Solar – Der Sonne entgegen"**→ Donaupark, between Brucknerhaus and  
LENTOS Art Museum

20:00 – 04:00

**OK Night**

→ OÖ Kulturquartier

20:00 – 22:00

**Ars Electronica Animation Festival:  
Electronic Theatre**

→ Movimiento Sommerkino

22:00 – 24:00

**Ars Electronica Animation Festival:  
Electronic Theatre**

→ Movimiento Movie 1

22:00 – 04:00

**Nightline OK Klubinstitut**

→ OÖ Kulturquartier, OK Deck &amp; Solaris

**OK Deck Live**Peter Kutin (Goldene Nica, Digital Musics & Sound Art) (AT),  
Patrik Lechner (Honorary Mention, Digital Musics & Sound  
Art) (AT), Bocksrucker (Neubau) (AT)

→ OÖ Kulturquartier, OK Deck

**DJs**Elena Sizova (Der Zyklus, WeMe Records) (BY), Abu  
Gabi (AT), David Krieger (AT)

→ OÖ Kulturquartier, OK Deck

**Visuelle Gestaltung**

studio[sic] (AT)

→ OÖ Kulturquartier, OK Deck

**Solaris**

Mathias Grnwd (AT), Memet Acuma (AT)

→ OÖ Kulturquartier, Solaris

## CONFERENCES, LECTURES, WORKSHOPS

10:00 – 12:30

**Panel Discussion: Immersify – Frontiers of  
European Media Creation**Speakers: Mauricio Alvarez-Mesa (DE/CO), Tadej Drolic (SI),  
William Trossell (UK), Theresa Schubert (DE/AT), Martin Heck  
(DE) Moderation: Roland Haring (AT), Ars Electronica Futurlab  
→ POSTCITY, Open Futurelab

10:00 – 15:00

**Digital Makers Day – Digital Innovation Out of the Box**

FH St. Pölten, Industry meets Makers, Tabakfabrik Linz, Zukunftsakademie Mostviertel

→ POSTCITY, Lecture Stage

10:00 – 15:00

**Meet Digital Makers!**

13:30 – 11:30

**Towards a Digital Culture!**

12:00 – 15:00

**Open the Boxes & Close the Gaps!**

10:00 – 16:15

**Workshop series European Platform for Digital Humanism**

Registration via [aixmusic-workshops.eventbrite.de](https://aixmusic-workshops.eventbrite.de)

→ POSTCITY, AIXMusic Workshop Space

10:00 – 11:00

**How can we make more liveable cities?**

300.000 Km/s (ES)

11:30 – 12:30

**Project Alias – Design your own Parasite**

Bjørn Karmann (DK), Tore Knudsen (DK)

13:00 – 14:30

**Women reclaiming AI**

Birgitte Aga (NO), Coral Manton (UK)

14:45 – 16:15

**In Posse**

Charlotte Jarvis (UK)

10:00 – 17:15

**The Messy Shape of Problems – Past, Present and Future Perspectives of Design**

→ POSTCITY, Campus – Academic Design Network Austria

10:00 – 13:00

**Fishbowl Discussion: The Future of Design – Transitions in the field**

13:45 – 16:45

**Designing the Futures We (Do Not) Want: Speculative Design Lab**

16:45 – 17:15

**Feedback and conclusion**

10:15 – 18:00

**ZusammenHelfen Conference – Day of Encouragement (see program on page 60)**

Registration necessary via

[www.zusammen-helfen.at/zhk2019](http://www.zusammen-helfen.at/zhk2019)

ZusammenHelfen in Oberösterreich – Gemeinsam für geflüchtete Menschen (AT)

→ POSTCITY, Conference Hall

11:00 – 13:00

**Sonic Saturday – “Medium Sonorum”**

presents recent works by Tobias Leibetseder (AT), Erik Nyström (UK), Astrid Schwarz (AT) and Tania Rubio (MX), by Luc Ferrari with Kaori Nishii (JP) at the piano and Angélica Castelló (MX) on the mixing desk.

→ Anton Bruckner Private University, CMS Sonic Lab

*Shuttle to St. Florian from Anton Bruckner Private University: Departure 13:00 (Bus stop Hagenstraße)*

11:00 – 14:00

**PRIX FORUM**

→ OÖ Kulturquartier, Ursulinensaal

11:00 – 12:30

**Prix Forum II – Digital Musics & Sound Art**

Moderation: Shilla Strelka (AT) / Jury member

Speakers: Peter Kutin (AT) – TORSO #1, Golden Nica /

Tomomi Adachi (JP), Andreas Dzialocha (DE), Marcello

Lussana (IT) – Voices from AI in Experimental Improvisation,

Award of Distinction / Samson Young (HK) – Muted Situation

#22: Muted Tchaikovsky's 5th, Award of Distinction

12:30 – 14:00

**Prix Forum III – Artificial Intelligence & Life Art**

Moderation: Jens Hauser (DE/FR/DK), Jury member

Speakers: Paul Vanouse (US) – Labor, Golden Nica / Špela

Petrič (SI): Confronting Vegetal Otherness – Skotopoiesis,

Phytoteratology, Strange Encounters, Award of Distinction /

Adam Harvey (US) – VFRAME: Visual Forensics and Metadata

Extraction, Award of Distinction

*Shuttle to St. Florian from OÖ Kulturquartier:*

*14:15 and 14:45 (Bus stop Dametzstraße)*

12:00 – 17:00

**Expanded Animation – Out of the Box**

Upper Austria University of Applied Sciences Hagenberg

Campus (AT), Ars Electronica (AT)

→ POSTCITY, Art Thinking Stage

12:00 – 14:15

**Expanded Games**

Michael Frei (CH), Miguel Sicart (DK), Andreas Suika (DE)

14:45 – 17:00

**Art & Industry**

Julius Steinhauser (AT/DE), Nidia Dias (PT), Beeple – Mike

Winkelmann (US)

13:00 – 14:30

**Gallery Spaces Panel IV: Interdisciplinary Art – how becoming established?**

Moderation: Christina Steinbrecher-Pfandt (DE/US)

Speakers: Daria Parkhomenko (RU), Marko Peljhan (SI/US),

Mariano Sardon (AR)

→ POSTCITY, Gallery Spaces Stage

13:00 – 14:30

**Ars Electronica Art Thinking School / Future Innovators Summit – Future Scenario Workshop**

→ POSTCITY, Art Thinking House

SAT 7.9.



14:00 – 15:20

**The need for a digital revolution in our cities**

Prix BLOXHUB Interactive, Ars Electronica, Speakers: Indy Johar (UK), Mara Balestrini (ES), Liselott Stenfeldt (DK), Manuela Naveau (AT)

→ POSTCITY, AIXMusic Stage

14:00 – 16:30

**Panel Discussion: FUNGUAGE – the FUN spirit in the future**

Moderation: Kyoko Kunoh (JP), Ars Electronica Futurelab

→ POSTCITY, Open Futurelab

14:30 – 15:30

**AIXMusic Panel I: Homo Deus**

Moderation: Renata Schmidtkunz (DE) Speakers: Josef Penninger (AT), Sophie Wengerscheid (DE)

→ St. Florian Monastery, Sommerrefektorium

14:30 – 16:30

**Walking Lectures: Calculated Sensations**

Anthony Moore (GB/FR), Siegfried Zielinski (DE)

→ St. Florian Monastery

14:30 → Starting point: Adlerbrunnen im Stiftshof

14:45 → Bibliothek

15:30 → Basilika

16:10 → Novizengarten

15:00 – 15:30

**AIXMusic Dialogue I: Komposition, Interpretation, Reproduction – 3 shades of creativity**

Markus Poschner (DE) & Ali Nikrang (AT)

→ St. Florian Monastery, Altomonte Saal

15:00 – 16:30

**Gallery Spaces Panel V: Artists & Scientists – Exploring new forms of collaboration**

Moderation: Christophe De Jaeger (BE)

Speakers: Tarek R. Besold (DE), Raoul Frese (NL), Beatrice de Gelder (NL), Frank Raes (BE)

→ POSTCITY, Gallery Spaces Stage

15:30 – 16:00

**AIXMusic Dialogue II: AI & Bio Art**

Maja Smrekar (SI) & Aza Raskin (US)

→ St. Florian Monastery, Tafelzimmer

16:00 – 17:00

**AIXMusic Panel II: AI, more than a technology**

Moderation: Renata Schmidtkunz (DE) Speakers: Markus Poschner (DE), Douglas Eck (US), François Pachet (FR)

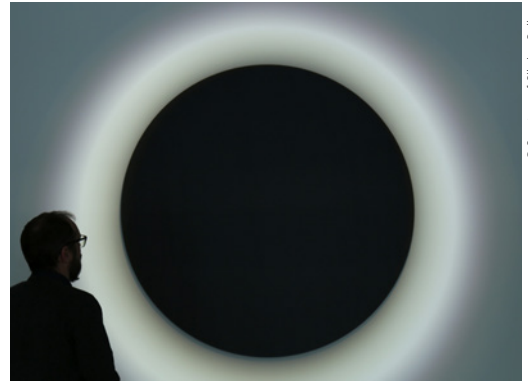
→ St. Florian Monastery, Sommerrefektorium

16:00 – 16:30

**AIXMusic Dialogue III: Anatomies of AI**

Vuk Ćosić (SI) & Vladan Joler (RS)

→ St. Florian Monastery, Altomonte Saal



Eclipse II, Félicie d'Estienne d'Orves (GR/FR)

16:00 – 17:30

**Campus-Forum: Universities and their way to...**

**A flashlight psychogram of universities working in the fields of art and design, technology and science**

Moderation: Manuela Naveau (AT)

Speakers: Fiona Zisch (AT/UK), Imrich Vaško (CZ), Qiu Zhijie (CN), Jessie Dong (CN), Mónica Mendes (PT), Moisés Mañas (ES), Alexandru I. Berceanu (RO), Jana Horáková (CZ), Vojtěch Domlátil (CZ)

→ POSTCITY, Lecture Stage

16:30 – 17:00

**AIXMusic Dialogue IV: AI and Music Research**

Ludger Brümmer (DE) & Vittorio Loreto (IT)

→ St. Florian Monastery, Tafelzimmer

17:00 – 17:30

**AIXMusic Dialogue V: Overview of the AI and Music scene in the Bay Area**

Clara Blume (AT/US) & Naut Humon (US)

→ St. Florian Monastery, Altomonte Saal

18:00 – 19:00

**AIXMusic Panel III: Deep Journalism, Information and Misinformation in the age of Artificial Intelligence**

Moderation: Renata Schmidtkunz (DE) Speakers: Walter Ötsch (AT), Marta Peirano (ES)

→ St. Florian Monastery, Sommerrefektorium

18:30 – 19:00

**AIXMusic Dialogue VI: AI and Gaming**

Lynn Hughes (CA) & Alain Thibault (CA)

→ St. Florian Monastery, Tafelzimmer

19:00 – 20:00

**AIXMusic Panel IV: What is Creativity**

Moderation: Renata Schmidtkunz (DE) Speakers: Oliviero Toscani (IT), Hermann Vaske (DE), Amanda Cox (US)

→ St. Florian Monastery, Sommerrefektorium

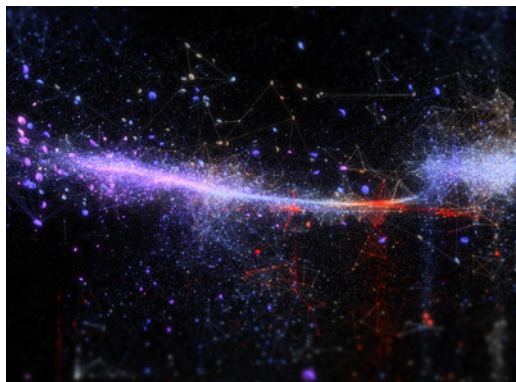
19:00 – 19:30

**AIXMusic Dialogue VII: Dear Glenn, – Yamaha AI Project**

Akira Maezawa (JP), Brian M. Levine (CA), Norbert Trawogger (AT), Francesco Tristano (LU)

→ St. Florian Monastery, Altomonte Saal





Singing Sand 2.0, Tadej Droljc (SI)

## DEEP SPACE 8K

→ Ars Electronica Center

10:00 – 10:30  
**Daily Selection**

10:30 – 11:00  
**Singing Sand 2.0**  
Tadej Droljc (SI)

11:00 – 11:30  
**Best of Deep Space 8K Standards**

11:30 – 12:00  
**Quantum Logos**  
Mark Chavez (US), Ina Conradi (SG), Tate Chavez (US), Bianka Hofmann (DE), Bob Kastner (AU)

12:00 – 12:30  
**LSI Project, THE LAST SUPPER INTERACTIVE – Art and Mathematics in the Renaissance \*\*\***  
Franz Fischnaller (IT)

12:30 – 13:00  
**Best of Deep Space 8K Standards**

13:00 – 13:30  
**NOLANDX**  
Ulf Langheinrich (DE)

14:00 – 14:30  
**Liquidus**  
Roman Divotkey (AT), Nora Loimayr (AT), Christoph Schaufler (AT), Wolfram Weingartner (AT)

14:30 – 15:00  
**Best of Deep Space 8K Standards**

15:00 – 16:00  
**tx-reverse 360° + Artist Talk**  
Virgil Widrich (AT), Martin Reinhart (AT)

16:00 – 16:30  
**Beyond the Frame: 8K Future Project**  
NHK (Japan Broadcasting Corporation) (JP), Ars Electronica Futurelab (AT)

16:30 – 17:00  
**Immersify**

17:00 – 18:00  
**The Great Pyramid in 3D, from the BBC Series Ancient Invisible Cities \*\*\***  
BBC Studios (UK), ScanLab Projects (UK)

18:00 – 18:30  
**Best of Deep Space 8K Standards**

18:30 – 19:00  
**Beeple + Artist Talk**  
Mike Winkelmann (US)

19:00 – 20:00  
**Ars Electronica Inspired by Bruegel**  
Frederik Temmermans (BE)

## CREATE YOUR WORLD Festival

10:00 – 19:30  
**Audio Design Goes Interactive**  
Fachhochschule St. Pölten (AT)  
→ POSTCITY, create your world

**GAMESOUND**  
mica – music Austria  
→ POSTCITY, create your world –  
Music Research Lab

14:00  
**Wobblersound – Interview with David and Markus Zahradnicek**

16:00  
**Wobblersound – Workshop with David and Markus Zahradnicek**

15:00  
**FM4 EXTRALEBEN**  
ORF radio FM4 (AT)  
→ POSTCITY, Ground Floor, Spiral Falls

SAT 7.9.

# ARS ELECTRONICA FESTIVAL 2019

# SUN 8.9.

## EVENTS, CONCERTS, PERFORMANCES

11:30 – 12:30

### **MachinedHuman! – Performance**

Jaskaran Anand (IN)

→ POSTCITY, Campus – Interface Cultures

13:00 – 13:45

### **^logrithmZoo Pt. 5.: KTV Session – Concert: Livemapping, 12 channel audio (2019)**

Rico Graupner (DE)

→ University of Arts and Design, Main Square  
Courtyard

13:00 – 13:30

### **SwarmOS Research Demo: Swarm Arena**

NTT (Nippon Telegraph and Telephone Corporation) (JP),  
Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

13:00 – 16:00

### **BR41N.IO Hackathon**

g.tec medical engineering GmbH (AT)

→ POSTCITY, Hackathon Space

13:00

### **END: BR41N.IO Hackathon**

13:00 – 15:00

### **BR41N.IO Hackathon – Project presentation**

15:30 – 16:00

### **BR41N.IO Hackathon – Ceremony**

14:00 – 14:10

### **last breath – Performance**

Dmitry Morozov / ::vtol:: (RU)

→ POSTCITY, Paketspeicher

14:00 – 15:00

### **ELECTRONICOS FANTASTICOS!**

Ei Wada (JP) + Linz Orchest-Lab

→ POSTCITY, Courtyard

14:00 – 15:30

### **Shared Habitats – Bauhaus-Universität**

Weimar@aecampus, Ursula Damm (DE),

Mindaugas Gapševičius (LT/DE) in DE/EN\*

WE GUIDE YOU – Experts Tour

→ University for Art and Design Linz, Campus

14:00 – 15:30

### **The shape of Technology to come –**

**Campus Exhibition, Violeta Gil Martínez (ES),  
in EN\***

WE GUIDE YOU – Expert Tour

→ POSTCITY, WE GUIDE YOU Meeting Point

15:00 – 16:30

**Interface Cultures Expert Tour, students  
of Interface Cultures, University of Art and  
Design, in EN\***

WE GUIDE YOU – Expert Tour

→ POSTCITY, WE GUIDE YOU Meeting Point

15:00 – 16:30

**HybridNature, Dr. Friedrich Schwarz (AT),  
in EN\*/\*\***

WE GUIDE YOU – Expert Tour

→ POSTCITY, WE GUIDE YOU Meeting Point

15:00 – 15:30

### **SwarmOS Research Demo: Swarm Arena**

NTT (Nippon Telegraph and Telephone Corporation) (JP),  
Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

15:30 – 17:00

**Living inside Schrödinger's Box, Matthias  
Hörtenhuber (AT), in EN\*/\*\***

WE GUIDE YOU – Expert Tour European

ARTificial Intelligence Lab

→ POSTCITY, WE GUIDE YOU Meeting Point



last breath, Dmitry Morozov / ::vtol:: (RU)

© Anna Koryukova

16:00 – 17:00

**MachinedHuman! – Performance**

Jaskaran Anand (IN)

→ POSTCITY, Campus – Interface Cultures

16:30 – 16:40

**last breath – Performance**

Dmitry Morozov / ::vtol:: (RU)

→ POSTCITY, Paketspeicher

17:00 – 17:30

**SwarmOS Research Demo: Swarm Arena**

NTT (Nippon Telegraph and Telephone Corporation) (JP),

Ars Electronica Futurelab (AT)

→ POSTCITY, Gleishalle Foyer

19:00 – 22:00

**Episode am Fluss –**

**A tribute to the first Klangwolke 1979**

→ Donaupark, between Brucknerhaus and  
LENTOS Art Museum

19:00 – 19:30

**From the inside to the outside to the body  
interaction**

Wolfgang Dorninger (AT)

19:30 – 19:40

**Bruckner Orchestra Linz Visualisation**

Cori O'Lan (AT)

19:40 – 20:10

**when the world was still new – realtime  
Dvořák remix**

AGF (DE/FI)

20:10 – 20:20

**The self-reference, Three AI composed  
Canons**

Ali Nikrang (AT)

20:20 – 20:30

**Live Transmission from Brucknerhaus**

20:30 – 21:00

**Improvisation**

Rupert Huber (AT), Roberto Paci Dalò (IT), Markus

Poschner (AT)

21:00 – 21:10

**Radio Cloud**

Cao Thanh Lan (VN/AT), Gregor Siedl (AT)

21:10 – 21:30

**Bruckner Meets Highway 2**

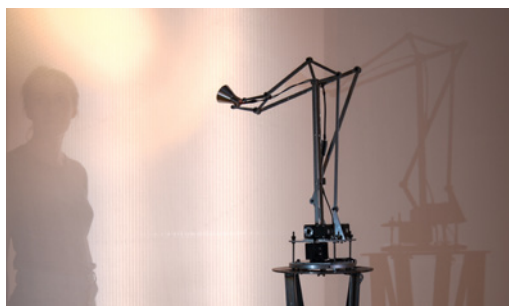
Sam Auinger (AT)

21:30 – 22:00

**Fennesz (AT) & Lillevan (SE/IE)**



MachinedHuman!, Jaskaran Anand (IN/AT)



The Entangled Eye, Anne-Heloise Dautel (FR), Irem Bugdayci (TR),  
and Robert Wuss (USA)

## CONFERENCES, LECTURES, WORKSHOPS

10:00 – 12:30

**Panel Discussion: Poetic Systems**

Moderation: Stefan Mittlböck-Jungwirth-Fohringer (AT),  
Ars Electronica Futurelab

→ POSTCITY, Open Futurelab

10:00 – 15:00

**European Platform for Digital Humanism –  
A conference by the European ARTificial  
Intelligence Lab**

→ POSTCITY, Conference Hall

10:00 – 11:00

**Bias Research**

Introduction: Roberto Viola (IT)

Host: Derrick de Kerckhove (CA)

Eveline Wandl-Vogt (AT), Clara Blume (AT),

Andreas Broeckmann (DE)

11:00 – 13:30

**Inclusive AI Applied**

Birgitte Aga (NO) & Coral Manton (UK), Max Haarich (DE),

Vladan Joler (RS), Maja Smrekar (SI), Joana Moll (ES), Aisling

Murray (IE), Margherita Pevero (IT/DE)

13:30 – 15:00

**Experiential AI: Entanglements – Fair, Moral  
and Transparent AI**

Presented by the Experiential AI group of the Edinburgh  
Futures Institute: Drew Hemment (UK), Vaishak Belle (IN),  
Larissa Pschetz (DE), Dave Murray-Rust (UK)

SUN 8.9.

10:00 – 17:15

**The Messy Shape of Problems – Past, Present and Future Perspectives of Design**

→ POSTCITY, Campus – Academic Design Network Austria

10:00 – 13:00

**Fluid Format Creation – Implications for design research and teaching**

13:45 – 16:45

**The Messy Shape of Problems – Workshop: Approaching Complexity**

16:45 – 17:15

**Feedback and conclusion**

10:00 – 17:30

**AiXMusic Day**

→ POSTCITY, AiXMusic Stage

10:00 – 13:00

**AiXMusic Matinée**

Institut de Recherche et Coordination Acoustique/Musique (IRCAM)

Speakers: Hugues Vinet (FR), Philippe Esling (FR), Daniele Ghisi (FR), Jérôme Nika (FR)

**Music Information & Music Data**

Speakers: Christine Bauer (AT), Peter Knees (AT), Ludger Brümmer (DE)

**Pioneering the educational field**

Speakers: Koray Tahiroğlu (FI/TR), Nick Bryan-Kinns (UK)

13:15 – 14:45

**AiXMusic Industry Research**

Speakers: Vittorio Loreto (IT), SonyLab / Francois Pachet (FR), Spotify / Akira Maezawa (JP), Yamaha

15:00 – 16:00

**AiXMusic Cultural Organizations**

Speakers: Gerald Wirth (AT), Wiener Sängerknaben / Vive Kumar (IN), Athabasca University (US) / Veronika Liebl (AT), Ars Electronica / Matthias Röder (DE), Karajan Institut

16:15 – 17:30

**AiXMusic Start-Ups and Applications**

Speakers: Jean Beauve (FR), 01W audio / Oleg Stavitsky (RU), Endel / Florian Richling (AT), Fortunes / Ivan Turkal (HR/AT), Music Traveler / Taishi Fukuyama (JP), Amadeus Code

10:30 – 18:00

**AiXMusic Workshops**

Registration via [aixmusic-workshops.eventbrite.de](https://aixmusic-workshops.eventbrite.de)

→ POSTCITY, AiXMusic Workshop Space

10:30 – 12:00

**Creating interactive audio systems with Bela**

Andrew McPherson (UK)

12:30 – 13:30

**Automatic Music Generation with Deep Learning – Fascination, challenges, constraints**

Ali Nikrang (AT)

14:00 – 15:00

**A-MINT**

Alex Braga (IT)

15:30 – 16:30

**ACIDS: Artificial Creative Intelligence**

Philippe Esling (FR)

17:00 – 18:00

**We Revolutionize Music Education: The Neuromusic Education Simulator (NES)**

Gerald Wirth (AT), Wiener Sängerknaben / Vive Kumar (IN), Athabasca University (US)

13:00 – 14:30

**Gallery Spaces Panel VI: Paradoxes and obstacles in maintaining and staging alive biomedica art**

Moderation: Jens Hauser (DE/FR/DK)

Speakers: Jo Wei (CN), Vicente Matallana (ES), Marta de Menezes (PT), Robertina Šebjanič (SI), Paul Vanouse (US)

→ POSTCITY, Gallery Spaces Stage

14:00 – 15:30

**Tea Session: Laboratory of the Future**

Moderation: Hideaki Ogawa (JP/AT)

Speakers: Irini Papadimitriou (GR/UK), Giulia Tomasello (IT), Peter Holzkorn (AT), Kyoko Kunoh (JP/AT), Ali Nikrang (AT)

→ POSTCITY, Open Futurelab

15:00 – 16:30

**Gallery Spaces Panel VII: Digital art going mainstream?**

Moderation: Christina Steinbrecher-Pfandt (DE/US)

Speakers: Sergiu Ardelean (RO/AT), Hemma Schmutz (AT), Taihei Shii (JP), Nimrod Vardi (UK)

→ POSTCITY, Gallery Spaces Stage

16:15 – 17:30

**Ars Electronica Art Thinking School / Future Innovators Summit – Future Scenario Presentation**

→ POSTCITY, Lecture Stage



Automatic Music Generation with Deep Learning, Ali Nikrang (AT)



Seeing I, Mark Farid (UK)

18:00 – 19:00

**Mark Farid – "Seeing I" – 7 days in virtual reality – a public conversation between the artist and the project's Clinical Psychologist**

Mark Farid (UK) and Dr. Tamara Russell (UK)

→ Atelierhaus Salzamt

## CREATE YOUR WORLD Festival

14:00

**spaceEU Activity:  
space4youth Blue Moon Special**

→ POSTCITY, create your world – Open Cinema

### MUSIKBUSINESS

mica – music Austria

→ POSTCITY, create your world –  
Music Research Lab

14:00

**Music business QUIZ for teenagers**

Moderation: Christoph Gruber

16:00

**Music business QUIZ**

Moderation: Austrofred

18:00

**Interview with Lukas Hasitschka (Wanda)**

## DEEP SPACE 8K

→ Ars Electronica Center

10:00 – 10:30

**Daily Selection**

10:30 – 11:00

**Immersify**

11:00 – 11:30

**Beyond the Frame: 8K Future Project**

NHK (Japan Broadcasting Corporation) (JP), Ars Electronica  
Futurelab (AT)

11:30 – 12:30

**Ars Electronica Inspired by Bruegel**

Frederik Temmermans (BE)

12:30 – 13:00

**Best of Deep Space 8K Standards**

13:00 – 13:30

**LSI Project, THE LAST SUPPER INTERACTIVE  
– Art and Mathematics in the Renaissance \*\*\***

Franz Fischnaller (IT)

13:30 – 14:30

**NOLANDX + Artist Talk**

Ulf Langheinrich (DE)

15:00 – 16:00

**Sonar Flux \*\*\***

Kaoru Tashiro (JP), OUCHHH (TR)

16:00 – 16:30

**Quantum Logos**

Mark Chavez (US), Ina Conradi (SG), Tate Chavez (US), Bianka  
Hofmann (DE), Bob Kastner (AU)

16:30 – 17:00

**Animation Festival @ Deep Space 8K – Part 2**

17:30 – 18:30

**Eruptions\*\*\***

Suyang Kim (KR), Dieter Stemmer (AT), Marlene Reischl (AT),  
Christian Philip Berger (AT)

18:30 – 19:00

**Best of Deep Space 8K Standards**

19:00 – 20:00

**Tagtool im Deep Space 8K**

Markus Dorninger (AT), Matthias Fritz (AT)

20:00 – 20:30

**tx-reverse 360°**

Virgil Widrich (DE), Martin Reinhart (AT)

20:30 – 21:00

**Singing Sand 2.0**

Tadej Droljc (SI)

21:00 – 21:30

**Best of Deep Space 8K Standards**

22:30 – 24:00

**384**

Valentina Cinquini (IT), Andrea Ummano (IT), Federico  
Perinelli (IT), Raphael Schuster (AT), derkleinstePrinz (ES)

SUN 8.9.

# ARS ELECTRONICA FESTIVAL 2019

# MON 9.9.

## EVENTS, CONCERTS, PERFORMANCES

10:00 – 14:45

### **The Messy Shape of Problems – Past, Present and Future Perspectives of Design**

→ POSTCITY, Campus – Academic Design Network Austria

10:00 – 13:00

### **Designing the Commons**

13:45 – 14:45

### **Workshop: Open Standards & Services**

10:00 – 21:00

### **Music Monday**

Moderation: Werner Jauk (AT), Tilman Hatje (DE)

10:00

### **Meeting point**

→ Main entrance Ars Electronica Center

10:00 – 11:30

### **AIxMusic Exhibition**

Flötenwerk mit Kurbel und Stiftwalze, 1795 Fa. Clavis; Wien  
Walzenklavier: Federwerk, Münzeinwurf, 10 Melodien,  
Poupard, Ciocca, Mancier; Reims, Frankreich 1900  
Memo Akten (TR): Simple Harmonic Motion #5, #5r, #9l  
Maywa Denki (JP): Seamoons, Mr. Knocky, Knockman Family  
Moritz Simon Geist (DE): Making Techno with Music Robots  
Bösendorfer (AT): Bösendorfer Imperial 290 CEUS

→ Ars Electronica Center, AIxMusic Exhibition level

11:40 – 12:00

### **Bauhaus100 – Shared Habbitats**

Michael Markert (DE): Stereospace: Nature Space  
→ University of Art and Design Linz

12:30 – 13:30

### **CyberArts Exhibition 2019**

Peter Kutin (AT): TORSO #1  
Samson Young (HK): Muted Situation #22: Muted  
Tchaikovsky's 5th  
panGenerator (PL): APPARATUM  
Francisco López (ES): MANTRaCKs and Sonic Fields:  
A VirtuAural Duology  
The SINE WAVE ORCHESTRA (JP): The SINE WAVE  
ORCHESTRA stay  
→ OÖ Kulturquartier

14:30 – 15:10

### **Die Zukunft der Kommunikation**

Kevin Strüber (DE): Common Sense  
→ POSTCITY, create your world

### **European Platform for Digital Humanism**

Mónica Bate (CL): The Life of Crystals  
Ayako Suwa (JP), Evala (JP), Yasuaki Kakehi (JP):  
Journey on the Tongue  
→ POSTCITY, First Floor

15:20 – 16:20

### **Generating emotional intelligent environments**

Werner Jauk (AT) Keynote, AI and AE – what is music to AI.  
→ POSTCITY, AIxMusic Workshop Space

### **auditory culture – AI-Pop.**

### **Walking sound-knowledge-base**

Werner Jauk (AT)  
→ POSTCITY, Zwischengeschoss

16:30 – 18:00

### **Human Limitations – Limited Humanity**

Špela Petrič (SI): Institute for Inconspicuous Languages:  
Reading Lips  
Thom Kubli (DE/CH): Radiosands  
Marko Peljhan (SL/US), Matthew Biederman (CA/US):  
Star Valley  
Robertina Šebjanič (SI): Aurelia 1+Hz / Proto Viva Generator  
Dmitry Morozov (RU): Poise→[d]  
Constanza Piña (CL): Khipu: computador textil  
→ POSTCITY, Bunker

19:00 – 21:00

### **„Pianographique – Piano Music meets Digital Images“**

→ POSTCITY, Train Hall

19:00 – 21:00

### ★ „Pianographique – Piano Music meets Digital Images“

Maki Namekawa (JP), Dennis Russell Davies (US), Cori O'Lan (AT), L'Oiseau de feu (Der Feuervogel), Igor Stravinsky, 1910, Arrangement for piano four hands: Dennis Russell Davies, Piano Sonata No. 1, Philip Glass, 2019  
→ POSTCITY, Train Hall

© Miha Fras



Institute for Inconspicuous Languages: Reading Lips, Špela Petrič (SI)



14:00 – 14:10

**last breath – Performance**

Dmitry Morozov / ::vtol:: (RU)

→ POSTCITY, Paketspeicher

## CREATE YOUR WORLD Festival

15:00

**Cinema 4D / Youth Exchange Project –  
Presentation of Animations**

→ POSTCITY, create your world – Open Cinema

## DEEP SPACE 8K

→ Ars Electronica Center

10:00 – 10:30

**Daily Selection**

10:30 – 11:00

**Beeple**

Mike Winkelmann (US)

11:00 – 11:30

**Cultural Heritage – The Great Pyramid and  
Rome in 3D\*\*\***

BBC Studios (UK), ScanLab Projects (UK)

11:30 – 12:00

**Singing Sand 2.0**

Tadej Droljc (SI)

12:00 – 12:30

**NOLANDX**

Ulf Langheinrich (DE)

12:30 – 13:00

**Best of Deep Space 8K Standards**

13:00 – 13:30

**Merck Curiosity Test**

14:00 – 15:00

**Deep Quiz**

Andrea Aschauer (AT), Jeremiah Diephuis (US), Jürgen Hagler (AT), Wolfgang Hochleitner (AT), Georgi Kostov (BG), Gabriel Mittermair (AT)

15:00 – 15:30

**Best of Deep Space 8K Standards**

15:30 – 16:00

**Animation Festival @ Deep Space 8K –  
Part 2**

16:00 – 16:30

**Immersify**

16:30 – 17:00

**Best of Deep Space 8K Standards**

17:00 – 17:30

**VH AWARD by Hyundai Motor Group (KR)**

Dongjoo Seo (KR), Youngkak Cho (KR), 최찬숙 Chansook Choi (KR)

17:30 – 18:00

**Daily Selection**



Singing Sand 2.0, Tadej Droljc at Deep Space 8K

\*\*\* Attention! Limited capacity, please reserve your ticket 30 minutes before the start at the Ars Electronica Center Infodesk!

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MON  
9.9.

# EVENTS, CONCERTS, PERFORMANCES

## AixMusic Program

The AixMusic Festival is organized by Ars Electronica and the European Commission as part of the STARTS initiative.

### Ars Electronica Opening: Unboxing the Festival

**THU 5.9.** 19:30 – 00:55

→ POSTCITY, Courtyard

- 19:30 – 19:50 **Transmission, Live from the Award Ceremony**
- 19:50 – 20:10 **Voices from AI in Experimental Improvisation**  
Tomomi Adachi (JP), Andreas Dzialocha (DE), Marcello Lussana (IT)
- 20:15 – 20:35 **Reeps One x Dadabots ft. Second Self AI**
- 20:40 – 21:00 **ULTRACHUNK**  
Jennifer Walshe (IE), Memo Akten (TR)
- 21:05 – 21:35 **A-MINT**  
Alex Braga (IT), Visuals by A-MINT and Cliché (IT)
- 21:45 – 22:05 **ELECTRONICOS FANTASTICOS! featuring Stefan Tiefengraber**  
Ei Wada (JP), Stefan Tiefengraber (AT)
- 22:15 – 23:00 **Ritornell (AT) & Mimu Merz (AT)**
- 23:00 – 00:00 **Secret Gala – Hiding in Plain Sight**
- POSTCITY, Train Hall
- 23:00 – 00:00 **Vladislav Delay & AGF present Rakka (DE/FI)**
- 00:10 – 00:55 **subassemblies**  
Ryoichi Kurokawa (JP)

→ POSTCITY, Art Thinking House, Basement Stage

*Limited capacity. Admittance with numbered tickets only. The tickets can be picked up at the POSTCITY Infodesk upon presentation of a Festivalpass or One-Day pass.*

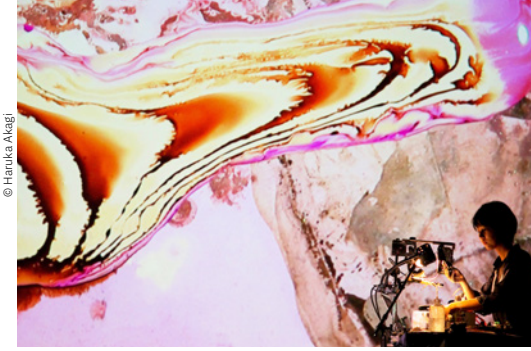
- 19:30 – 20:00 **The Feline Project**  
Dagmar Dachauer (AT), Kilian Immervoll (AT)
- 20:30 – 20:40 **TechiEon**  
Corea Impact (KR)
- 21:00 – 21:30 **Vocals**  
Carla Bolgeri (CL/IT), Francisco Marín (CL)
- 22:00 – 22:30 **[re]BO[u]NDS ~ expanded media**  
Giulio Colangelo (IT), Valerio De Bonis (IT) – LOXOSconcept

As every year, we will open the first evening of the Festival with an exciting performance program. The focus will be on the various artistic possibilities offered by the voice, improvisation, and neural networks in humans and machines. Under the title *Voices from AI in Experimental Improvisation*, Tomomi Adachi will present an AI that has mastered his voice and his musical improvisation style. The collaboration of Reeps One ft. Secondself, on the other hand, is aimed at combining the machine learning of AI with beatboxing to create a new artistic tool. For her piece *Ultrachunk*, Jennifer Walshe recorded solo vocal improvisations every day over the course of a year. In cooperation with Memo Akten and an AI that recognizes her face and voice, she will present a collaborative live performance. Alex Braga has taken on the challenge of using a revolutionary instrument called *A-MINT* to design a new and organic sound. The artist plays tunes from which the AI produces endless melodies in real time. The long-time Ars Electronica collaborators Stefan Tiefengraber, and Ei Wada will join forces for a special show called *ELECTRONICOS FANTASTICOS!*. This will be followed by Linz's own Richard Eigner and his colleague Roman Gerold who will merge their project *Ritornell* with the vocal expressions of *Mimu Merz* to close the musical program in the courtyard.

After that, well-known artists from the electronic avant-garde scene can be experienced in the Gleishalle. AGF & Vladislav Delay will fill the spaces with a combination of electronic sounds and spectacular live visuals with their new project *Rakka*. This is followed by Ryoichi Kurokawa's *subassemblies*, aimed at revealing the power of art and nature using a wide variety of 3D data from architecture, ruins, and nature.

At the same time, several performances will take place on the Basement Stage in the Art Thinking House. Choreographer Dagmar Dachauer, together





Alive painting for Bruckner Orchester, Akiko Nakayama (JP)

with video artist Kilian Immervoll, initiates a humorous and bewildering interaction between the ancient pet, human and robot through a hyper-detailed movement language. Employing AI-based augmented reality (AR) and a mixture of electronic and folk music, the second performance *TechiEon by Core Impact* aims to revisit and rethink the long history of heritage within a technological landscape. In *Vocals*, Carla Bolgeri and Francisco Marin explore the sonic power of language in an acoustic and corporal praxis that seeks in the voice a vehicle to experience a sonorous state in the body and in matter.

[re]BO[u]NDS by LOXOSconcept, an electroacoustic composition/performance for three electromechanical performers (drippers), reactive and synchronized lights, real-time audio processing and electronic sounds, completes the performance series.

## Big Concert Night

In cooperation with the Bruckner Orchestra Linz

**FRI 6. 9.** 20:00 – 22:00 (Doors open 19:30)  
→ POSTCITY, Train Hall

*Limited capacity. Admittance with valid ticket or voucher in combination with a Festival pass or One-Day pass for Friday only. (Vouchers for the Big Concert Night can be redeemed free of charge at the POSTCITY Infodesk according to availability until 6.9. at 12 noon on presentation of a valid Festival or Day pass)*

The Big Concert Night 2019 is the third major project to be developed and performed with Markus Poschner as principal conductor of the Bruckner Orchestra. The concert begins with “Mahler Remixed,” by Christian Fennesz, one of the main protagonists of the Austrian electronic music scene, who has already transformed various samples from Mahler symphonies into tonal and musical material for his live performances. Towards the end of this first part, Markus Poschner will improvise on the piano and, together with Christian Fennesz, build a bridge from electronics to the orchestra’s performance. Johannes Braumann and the Ars Electronica Futurelab will continue a collaboration with dancer and choreographer Silke Grabinger, which began last year. With “Underbody” they try to bring to life a human-puppet-machine system in which dancer

and choreographer Silke Grabinger will interact artistically as solo dancer with a configuration of six Kuka industrial robots playing one puppet dancer. Amir Bastan, Peter Freudling, Roland Aigner, Gerhard Senz and Stefan Mittelboeck are also involved in the development of this human-machine choreography which inverts the constellation of Gertrud Bodenwiesers piece “Dämon Maschine” where five dancers were transformed into one machine. The movements of the robots slowly coming to rest and the fading of their characteristic engine noises are then replaced by the striking initial motif of the viola in the third part of the evening, and the orchestra starts Mahler’s symphony No. 10. The viola motif, the first ten notes of which were entered into one of the currently most powerful machine learning systems (MuseNet from OpenAI) as a starting theme, then begins again seamlessly, as a further movement, so to speak. The result of the machine learning system, which premieres at the end of the evening, was taken over completely unchanged and has been orchestrated by Ali Nikrang and will be performed by the Bruckner Orchestra, conducted by Markus Poschner. This year, Akiko Nakayama from Tokyo will come to POSTCITY for the live visualizations of the orchestra, while the Berlin artist Lillevan will visualize the electronic performance by Christian Fennesz.

A project by Ars Electronica and Bruckner Orchestra Linz

Orchestra: Bruckner Orchestra Linz, principal conductor: Markus Poschner (AT)

Electronics: Christian Fennesz (AT)

Artificial Intelligence: Ali Nikrang (AT), MuseNet OpenAI, Christine M. Payne (US)

Human-machine performance: Johannes Braumann (AT) Creative Robotics / UfG Linz, Silke Grabinger (AT), Ars Electronica Futurelab, Peter Freudling (AT), Stefan Mittlböck-Jungwirth-Fohringer (AT), Roland Aigner (AT)

Live Visualizations: Akiko Nakayama (JP), Lillevan (DE), Amir Bastan (IR), Gerhard Senz (AT)

Supported by Yamaha

## Nightline

**FRI 6.9.** 22:00 – 04:00

→ POSTCITY, Train Hall

23:00 – 23:15 **SILK Cie. & SILK Fluegge – Underbody**  
Silke Grabinger (AT)

23:20 – 00:00 **Babii (UK) Live A/V**

00:05 – 00:50 **Cid Rim (AT) Live**

01:00 – 01:55 **Sinjin Hawke & Zora Jones (WWW) Live A/V**

→ POSTCITY, Courtyard

22:00 – 22:45 **Tripods One – Moritz Simon Geist (DE) Live A/V**

22:50 – 23:35 **RRUCCULLA (ES) Live A/V**

→ POSTCITY, Salonstage

23:15 – 23:35 **AG-MX70 DDX3216**

**Stefan Tiefengraber (AT) Live A/V**

23:40 – 00:25 **Chronic Youth (AT) Live A/V**

00:30 – 01:25 **HDMIRROR (UK) Live A/V**

01:30 – 02:45 **Masha Dabelka (AT/RU) DJ**

02:45 – 04:00 **Polyxene (GR) DJ-Set**

→ POSTCITY, Art Thinking House, Basement Stage

*Limited capacity. Admittance with numbered tickets only. The tickets can be picked up at the POSTCITY Infodesk upon presentation of a Festivalpass or One-Day pass.*

17:00 – 17:10 **TechiEon**

*Corea Impact (KR)*

17:30 – 18:00 **Vocals**

*Carla Bolgeri (CL/IT), Francisco Marín (CL)*

18:30 – 19:00 **[re]BO[u]NDS ~ expanded media**

*Giulio Colangelo (IT), Valerio De Bonis (IT) – LOXOSconcept*

While the music of the Bruckner Orchestra in the Gleishalle fades and the last notes are still echoing in the audience's ears, we are getting the console ready for the transition to danceable sound experiments. *Moritz Simon Geist* kicks things off in the courtyard of the POSTCITY with masterful technoid sounds generated by his robots. No less extraordinary will be the live set of ultra-digital music by *RRUCCULLA*, who simultaneously plays drums and operates the visuals.

In addition to the outdoor stage, a complementary program will be offered in the interior spaces of the POSTCITY. *Babii* opens the Gleishalle with her dark lyrics and futuristic sounds between electronically tinged pop and R&B. multi-instrumentalist *Cid Rim* blends progressive electronic hip-hop with daring drum breaks when he takes the stage with his drum-set for an intermezzo before turning things over to *Sinjin Hawke & Zora Jones* for their live A/V show, with visuals based on a 3D scan as a digital representation of themselves.

The show comes to a close on the Salonstage, a venue that has become known for acts firmly anchored in Internet art, fast and danceable rhythms, combined with a dash of humor. This year's lineup features Linz's own *Stefan Tiefengraber*, *Chronic*

*Youth* from Graz, and *HDMIRROR*—familiar from “Rave Tool 66”—as well as DJ-Sets by *Masha Dabelka* and *Polyxene*.

Even before the big concert night, the evening will begin with three performances on the Basement Stage in the Art Thinking House. Employing AI-based augmented reality (AR) and the mixture of electronic and folk music, the first performance *TechiEon* by Corea Impact aims to revisit and rethink the long history of heritage within a technological landscape. In *Vocals*, Carla Bolgeri and Francisco Marín explore the sonic power of language in an acoustic and corporal praxis that seeks in the voice a vehicle to experience a sonorous state in the body and in matter. *[re]BO[u]NDS* by LOXOSconcept, an electroacoustic composition/performance for three electromechanical performers (drippers), reactive and synchronized lights, real-time audio processing and electronic sounds, completes the performance series..

## AiXMusic Festival St. Florian

SAT 7. 9.

14:00 – 22:00

→ St. Florian Monastery

*Shuttles operate every 15 minutes between POSTCITY and Monastery St. Florian between 13:00 – 22:30. For holders of an event ticket or FESTIVAL/DAY pass.*

### ST. FLORIAN, BASILIKA

## Organ Recital

*Hermann Nitsch (AT)*

SAT 7.9.

14:00 – 15:00

### Organ improvisation in 4 movements

"the organ is for me the suitable instrument to realize the music of the orgien mysterien theater. my music uses long drawn-out tones, sound blocks, cluster arrangements, roaring tuttigefüge, tonal and dissonant, up to noise overlays. everything that strings, woodwinds, brass and synthesizers cause in my orchestra, i can realize through the organ."

Hermann Nitsch

## Fantasia#1

*Quadrature (DE) in collaboration with Christian Losert (DE)*

⋮ **SAT 7.9.** 15:00 – 15:30, 17:00 – 17:30

### Audiovisual Performance for radio telescope, Artificial Intelligence and self-playing organ

Via a radio telescope in front of the venue, the noise of the skies is performed by a self-playing organ. Little by little, neural networks take control over the organ and seek out familiar harmonies in the otherworldly noises. Ideas of melodies evolve as the artificial intelligence begins to fantasize about familiar tunes in these alien sounds.

## Organ Music in the Field of Tension Between Inspiration, Composition and Improvisation

*Klaus Sonnleitner (AT) Monastery Organist of St.Florian*

⋮ **SAT 7.9.** 16:30 – 17:00

From Johann Sebastian Bach and Wolfgang Amadeus Mozart to French sound worlds and improvisations in the style of Anton Bruckner.

can unleash on stage, even in times of increasing digitalization. The crowning finale of the evening will be *Heavy Requiem – Buddhist Chant: Shomyo + Electronics*. Keiichiro Shibuya and Eizen Fujiwara will fuse traditional Buddhist music with electronic sounds, accompanied by visuals by Justine Emard.

### Sonar Flux

*Kaoru Tashiro (JP)*

### Dear Glenn, – Yamaha AI Project & Francesco Tristano & Norbert Trawöger & Maria Elisabeth Köstler

*Pianist: Francesco Tristano (LU), Flutist: Norbert Trawöger (AT), Violinist: Maria Elisabeth Köstler(AT/DE), Researcher: Akira Maezawa (JP; Yamaha Corporation)*

### GRAND JEU 2

*Wolfgang Mitterer (AT)*

### Heavy Requiem – Buddhist Chant: Shomyo + Electronics

*Chanting of Buddhist Hymns: Eizen Fujiwara (JP), Computer/Electronics: Keiichiro Shibuya (JP), Visuals: Justine Emard (FR)*

## ST. FLORIAN, KELLER

## The Vienna Acousmonium

*Thomas Gorbach (AT)*

**SAT 7.9.**

14:00 – 14:30 **Frühe Visionen virtueller Musik**

15:00 – 15:30 **Sphärenmusik**

16:00 – 16:30 **Die Additive Farbtonmischung und Weiteres**

17:00 – 17:30 **Teilchenmusik**

18:00 – 18:30 **Ephemer dynamisch-bewegte Klangskulpturen**

19:00 – 19:30 **Virtuell – Aktuell – Akusmatisch (Live)**

*Anton Iakhontov (RU), Martina Claussen (DE), Thomas Gorbach (AT), Bruno Strobl (AT)*

### A vibrating instrument to create ephemeral dynamic motion sound sculpture

Acousmatics (“acousma” in Greek means “aural cognition”) is the cognitive science of listening; a listening to listening. To make this possible, unheard sounds and compositions are projected through an orchestra of loudspeakers: the *Acousmonium*.

The concerts on this day are in cooperation with Ars Electronica and IGNM-O.Ö./Linz



organ recital, Hermann Nitsch (AT)

## Evening concert

⋮ **SAT 7.9.** 20:00 – 22:00

On Saturday evening, the AIXMusic Festival invites you to a journey through time from the beginnings of music history to the here and now. Pianist Kaoru Tashiro leads the audience through the various styles and musical landscapes of Lukas Neudinger, Kenji Sakai and Claude Ledoux. The experts from the Yamaha R&D Division AI Group, the Glenn Gould Foundation, Francesco Tristano and musicians of the Bruckner Orchestra will contribute an AI-based performance. Composer and organist Wolfgang Mitterer will demonstrate the power and effect human actors

## WM\_EX10 TCM\_200DV TP-VS500 MS-201 BK26 MG10

Stefan Tiefengraber (AT)

**SAT 7.9.** 14:30 – 15:00, 15:30 – 16:00,  
16:30 – 17:00, 18:30 – 19:00,  
19:30 – 20:00

Unexpected and uncontrollable analogue signals are altered and bent by the artist to create an audio/video noise-scape. Audio signals are sent directly to CRT monitors which are mounted onto the speakers, visualizing the signal in flickering and abstract shapes and lines in black and white to create a time-based sculpture.

### ST. FLORIAN, MARMORSAAL

## SHOJIKI “Play Back” Curing Tapes

Muku Kobayashi (JP), Mitsuru Tokisato (JP)

**SAT 7.9.** 15:30 – 16:00

Rewinding curing tapes with a motor. The performers use a switch to control the rotation direction of the motor and its ON/OFF. Each time the tape is rewound onto the motor axis, it makes peeling sounds and continuant sounds.

## Orogenesis.... spatial piano improvisation inspired by the formation of mountains

Rupert Huber (AT)

**SAT 7.9.** 16:00 – 16:30

When two continental plates collide, one goes down, and the other goes up. Rupert Huber's piano improvisation is dealing with this process, sonifying the formation of an imaginary mountain.

## Tenebrae

Roberto Paci Dalò (IT)

**SAT 7.9.** 16:30 – 17:00

A solo concert for clarinet (and bass clarinet) that works with the very special acoustics and reverbs of Sankt Florian's Marmorsaal and evokes different musical styles from Gregorian to Monteverdi and Gesualdo da Venosa. Sometimes it makes a timbral memory appear, borrowed from practices and memories of electronic musical culture.

## Johann Sebastian Bach: Suites for unaccompanied cello

Yishu Jiang (AT)

**SAT 7.9.** 17:00 – 17:30

The Bach cello suites played in the performance are structured in six movements each: prelude, allemande, courante, sarabande, two minuets or two bourrées, and a final gigue. The Bach cello suites are considered to be among the most profound of all classical music works.

## Bach Hauer Scelsi Cage

Weiping Lin (AT/TW)

**SAT 7.9.** 18:30 – 19:00

Weiping Lin (violin) presents four rather different compositional approaches by composers who, in their individual ways, reflected on questions of musical order and its relation to the wider contexts of human existence.

## Bruckner Percussion Ensemble performs Xénakis

Leonhard Schmidinger (AT), Fabian Homar (AT), Vladimir Petrov (BG)

**SAT 7.9.** 19:00 – 19:30

Iannis Xenakis (1922-2001) composed *Okho* for three djembe players. Using the West African djembe and his mathematical and stochastic composition technique, Xenakis succeeds in creating a tribal modernism. This interpretation deviates from the original instrumentation and makes use of an extended percussion setup.

### ST. FLORIAN, TAFELZIMMER

## The Tenor Duets of Claudio Monteverdi

Ensemble vivante (AT): tenors: Tore Tom Denys & Erik Leidal, harpsichord: Anne Marie Dragosits, Viola da gamba & Baroque guitar: Daniel Pilz, Baroque harp: Reinhild Waldek

**SAT 7.9.** 15:00 – 15:30  
16:00 – 16:30  
17:00 – 17:30

Ensemble vivante presents the dramatically charged vocal music of a contemporary of Kepler, offering

works whose texts reflect their time's turbulence, innovation and discovery through their depictions of nature and humanity.

## ST. FLORIAN, ALTOMONTE SAAL

### C'est pour ça

Jérôme Nika (FR), Rémi Fox (FR)

📅 SAT 7.9. 15:30 – 16:00

#### Saxophone Improvisation Concert (IRCAM)

In a process of "digital lutherie," artistic collaborations are inseparable from the technological aspects. C'est pour ça develops an electronic aesthetic while seeking to preserve the organic character of the summoned "memories" (traditional choirs, spoken voice, saxophone playing modes...).

### Maki Namekawa performs Joep Beving

Maki Namekawa (JP)

📅 SAT 7.9. 16:30 – 17:00

In this solo part Maki Namekawa plays three pieces by the Dutch pianist and composer Joep Beving, whose music has been brought to the attention of a wide audience by the streaming platform Spotify.

### Piano Performance

Maki Namekawa (JP), Dennis Russell Davies (US)

📅 SAT 7.9. 18:30 – 19:00

The duo performs the two pieces *Hymn to a Great City* and *Pari Intervalllo* by the renowned Estonian composer Arvo Pärt, who is a well-known representative of "New Simplicity." The program is rounded off by three piano four-hand pieces from György Kurtág's Piano Transcriptions of Bach's work.

## ST. FLORIAN, GRUFT

### Interactions II

Martina Claussen (DE)

📅 SAT 7.9. 16:10 – 16:30

Voice and sound recordings, together with sound objects, weave a "sound carpet" that provides the basis for an electroacoustic journey. These textures act as a sort of humus for voices, from which they repeat-

edly emerge in fragmented form. Associations of the most diverse kinds and unexpected connections are evoked.

### Voices from AI in Experimental Improvisation

Tomomi Adachi (JP)

📅 SAT 7.9. 18:30 – 19:00

The artists built an AI called "tomomibot" which learned Adachi's voice and improvisation using neural network algorithms, so he can improvise with himself. The performance raises questions about the logics and politics of computers in relationship to human culture.



Tenebrae, Roberto Paci Dalò (IT)

## ST. FLORIAN, NOVIZENGARTEN

### Cumulus – Stratus

Volkmar Klien (AT)

📅 SAT 7.9. 17:30 – 18:00

#### A Composition for a Peal of Bells

Volkmar Klien lets St. Florian's bells swing and gives musical shape to the sky around the abbey, assisted by AI-based pattern-recognition and interpolation. Shapes emerge and morph simply to melt back into homogenous sound fields covering everything within earshot, which then subside, giving way to distinct sonic formations from above. The special acoustic event is best experienced at the Novizengarten, exclusively opened for this occasion.





Roberto Paci Dal

## Episode am Fluss – A tribute to the first Klangwolke 1979

**SUN 8.9.** 19:00 – 22:00  
→ Donaupark, between Brucknerhaus and LENTOS Art Museum

Ars Electronica, the Bruckner Orchestra under Markus Poschner, and the Brucknerhaus cooperate to trace the history of the *Klangwolke*. After the large visualized cloud of sound on Saturday, a tribute will be paid to the beginnings of this special project on Sunday evening.

As in 1979, the starting point of this sound journey will be the orchestra concert in the Brucknerhaus, which will not only be broadcast to the outside world through the powerful sound system of the Klangwolke, but will also provide sound material for the artists to create new acoustic, analog and digital sound spaces in the Donaupark.

- 19:00 – 19:30 **From the inside to the outside to the body interaction**  
*Wolfgang Dorninger (AT)*
- 19:30 – 19:40 **Bruckner Orchester Linz**  
*Visualisation by Cori O'lan (AT)*
- 19:40 – 20:10 **when the world was still new – realtime Dvořák remix**  
*AGF (FI/DE)*
- 20:10 – 20:20 **The self-reference, Three AI composed Canons**  
*Ali Nikrang (AT)*
- 20:20 – 20:30 **Live Transmission from Brucknerhaus**
- 20:30 – 21:00 **Improvisation**  
*Rupert Huber (AT), Roberto Paci Dalò (IT), Markus Poschner (AT)*
- 21:00 – 21:10 **Radio Cloud**  
*Cao Thanh Lan (VN/AT), Gregor Siedl (AT)*
- 21:10 – 21:30 **Bruckner Meets Highway 2**  
*Sam Auinger (AT)*
- 21:30 – 22:00 **Fennesz (AT) & Lillevan (SE/IE)**



Markus Poschner

## Music Monday

**MON 9.9.** 10:00 – 21:00  
→ Meeting point: Main entrance of Ars Electronica Center  
Admission free

The Sound Art Parours *Music Monday* is a longstanding Ars Electronica tradition. The tour passes through the diversity and plurality of the relationship spaces of music/sound art and the media arts. Theoretical reflection and discussions with the artists, individual physical experience, immersion in the mediality of sound: this is what Music Monday stands for, because it enables intensive and guided encounters with sound worlds and those media worlds that are formed after listening – this year's focus "AIxMusic" shows the mutual enrichment of music and media art in an "auditory culture."

*Werner Jauk (AT), Tilman Hatje (DE)*

## Pianographique – Piano Music meets Digital Images

*Maki Namekawa (JP), Dennis Russell Davies (US), Cori O'lan (AT)*

**MON 9.9.** 19:30 – 22:00 (Doors open 19:00)  
→ POSTCITY, Train Hall

The festival will conclude this year with another collaboration by the two pianists Maki Namekawa and Dennis Russell Davies with the digital visual artist Cori O'lan. It is part of a multi-year Ars Electronica project dedicated to the visual interpretation of musical expression and perception as well as the direct encounter between analog sound and digital visuals. The evening's music program includes a "classic" and a premiere. *L'Oiseau de feu (The Firebird)* by Igor Stravinsky is a reference piece in music history. The second part is the Austrian premiere of the first piano sonata by Philip Glass, which he dedicated to Maki Namekawa. Composed 110 years after *The Firebird*, the piano sonata is a joint commission of Klavier-Festival Ruhr, Philharmonie de Paris, and Ars Electronica. Its world premiere performance took place in July 2019 at the Klavier-Festival Ruhr and both the composer as well as Maki Namekawa received enthusiastic appreciation.

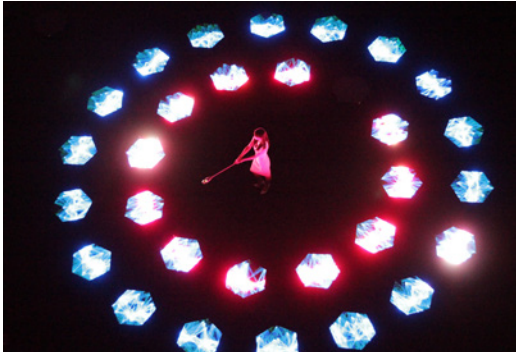
## 170 Jahre Sparkasse OÖ Jubiläumsklangwolke presented by LINZ AG

**Solar – Der Sonne entgegen**

**SAT 7.9.** Warm-Up: 19:00, Start: 20:30  
→ Donaupark, between Brucknerhaus and  
LENTOS Art Museum

The *Visualized Klangwolke* – which celebrates its 40th birthday – will be staged this year by David Pountney. The internationally renowned opera director and artistic director is a master of spectacular scenic effects, which he turns into a virtuoso means of expression. Entitled *Solar*, this work explores the relationship of mankind to the Sun in five acts. The *Visualized Klangwolke* is the bridge between the Ars Electronica Festival and the traditional Brucknerfest, the two largest festivals in Linz.

© Shoko Takahashi



Swarm Arena, Ars Electronica Futurelab

## Fragments | a digital Freischütz

*CyberRäuber – Marcel Karnapke (DE), Björn Lengers (DE)*

**THU 5.9 – SUN 8.9.** 11:00 – 18:00  
→ MusiktheaterWerkstatt

*Registration directly on site – Free admission.  
Admission every 20 minutes starting from 11:00.  
Limited capacity.*

Opera up close, eye to eye with the main characters: Max must prove himself with a masterly shot to gain the hand of Agathe, the head-forester's daughter and so to become his successor. Doubting his skills as a marksman, Max accepts the help of Kaspar, who sold his soul to the devil, to cast seven magic bullets: six of them hit anything the shooter wants, the last one will be directed by the devil... In the VR installation, the audience encounters the protagonists closer than ever possible in a real theatre.

## Swarm Arena and Spaxels Research Demo

*NTT (Nippon Telegraph and Telephone Corporation) (JP),  
Ars Electronica Futurelab (AT)*

**THU 5.9.** 14:00 – 14:30, 17:00 – 17:30  
**FRI 6.9.** 15:00 – 15:30, 16:30 – 17:00,  
18:00 – 18:30  
**SAT 7.9.** 13:00 – 13:30, 15:00 – 15:30,  
17:00 – 17:30  
**SUN 8.9.** 13:00 – 13:30, 15:00 – 15:30,  
17:00 – 17:30  
→ POSTCITY, Gleishalle Foyer

At the *Swarm Arena and Spaxels Research Demo*, the Ars Electronica Futurelab will give a concept demonstration of their current research progress around swarm-based technology as a means of communication. The demo illustrates the journey from initial research using drones (the so-called *Spaxels*) for navigation and artistic expression, to the latest developments involving moving groundbots within the current project *Swarm Arena*.

## “ORF TELETEXT meets art” and Teletext Hackathon

*Nadine Arbeiter (DE), Cordula Ditz (DE), Daniel Egg (AT),  
Dan Farrimond (UK), Juha van Ingen (FI), Joey Holder  
(UK), Kathrin Günter (DE), Raquel Meyers (ES), Matthias  
Moos (CH), Niccolò Moronato (IT), Jarkko Räsänen (FI),  
Seppo Renvall (FI) and UBERMORGEN (AT/CH/US)*

At the *Teletext Hackathon* in the POSTCITY, five of the participating artists will create live teletext art, and the public is also cordially invited to get creative on site with teletext software. The resulting artworks can immediately be published and admired in ORF TELETEXT. The teletext exhibition *ORF TELETEXT meets art* will be shown in a presentation at Deep Space.

**THU 5.9.** 14:00 – 17:00  
→ POSTCITY, Hackathon Space  
**FRI 6.9.** 15:30 – 16:00  
→ Ars Electronica Center, Deep Space

**ORF TELETEXT** (from page 840)

**ARD Text** (from page 800)

[www.teletextart.com](http://www.teletextart.com)



## Knowledge Engine Co-Creation Workshop

Linz Center of Mechatronics GmbH (AT)

This event brings experts from the Festival, technology, art and business together. In a Co-creation workshop, participants will explore knowledge engines and topics related to the Festival.

### THU 5.9

14:00 – 14:30 **Welcome**  
→ POSTCITY, AIXMusic  
Workshop Space

14:30 – 15:30 **Introduction SymSpace**  
→ POSTCITY, AIXMusic  
Workshop Space

### FRI 6.9.

11:00 – 12:00 **Group Presentations and Exchanges**  
→ POSTCITY, Hackathon Space

## Unicorn – the brain interface

g.tec medical engineering GmbH (AT)

### THU 5.9. – MON 9.9.

→ POSTCITY, Hackathon Space

The Unicorn Hybrid Black is a high-quality wearable EEG-headset that enables brain-computer interface (BCI) applications to perfectly acquire brain waves. Developers, artists and makers are able to acquire and process brain signals, ranging from simple display of the signals, to design and control of attached devices, to interaction e.g. with artistic installations, toys, computer programs or applications. Visit the installation and control a Sphero robot, create a painting or spell some text with the brain interface.

## BR41N.IO Hackathon

g.tec medical engineering GmbH (AT)

**SAT 7.9. 10:00 – SUN 8.9. 16:00**

→ POSTCITY, Hackathon Space

Brain Hackathons are brainstorming and collaborative marathons designed to rapidly produce working prototypes. At Ars Electronica 2019, BR41N.IO, organized by g.tec, brings developers, technologists, engineers, students, artists, and scientists together in teams of five participants each over two days to cram and build solutions that they can present. By bringing creative minds from multiple disciplines together for a short period of time, we have the opportunity to discover and uncover new possibilities for using BCI-related hardware and software.

### SAT 7.9.

10:00 – 10:30 **Welcome**  
10:30 – 11:00 **Current and future applications of BCI**  
11:00 – 11:30 **How to run a real-time BCI application**  
11:30 – 12:00 **Unicorn Brain Interface Demonstration**  
13:00 **START: BR41N.IO Hackathon**

### SUN 8.9.

13:00 **END: BR41N.IO Hackathon**  
13:00 – 15:00 **Project presentations**  
15:30 – 16:00 **BR41N.IO Ceremony**

## Presentation: Clinical Applications of Brain Computer Interface Systems

### THU 5.9. – MON 9.9.

→ Ars Electronica Center, level -3

Brain Computer Interfaces (BCIs) are new technologies that are becoming increasingly popular in medicine. Computers and devices can be operated by measuring brain waves. Experience how they work and learn more about the current state of research. Erika Mondria, BCI expert at the Ars Electronica Center, will present the functionality of *recoveriX* and *mindBeagle*.

**THU 5.9. – MON 9.9. 12:00 – 12:30, 14:00 – 14:30**  
**recoveriX – The revolutionary stroke therapy**

**THU 5.9. – MON 9.9. 13:00 – 13:30, 15:00 – 15:30**  
**mindBEAGLE – Coma assessment and communication**

## Guest Performances

### Inter Faces

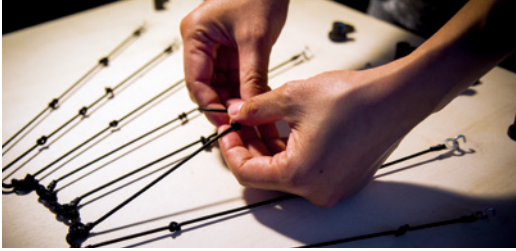
Régis Costa de Oliveira (BR), Universidade de Lisboa, Faculdade de Belas-Artes

### THU 5.9. – MON 9.9.

Starting at 11:00, 11:15, 11:30 and 15:00, 15:15, 15:30

→ POSTCITY, Campus – Universidade de Lisboa  
Exhibition Space

The Inter Faces performance uses augmented reality to replace the performer's body – including self-portraits – with digital images framed on a screen. The performer will act in a space that fuses the real with the digital.



Knotting the Memory // Encoding the Khipu\_, Patricia Cadavid H. (CO)

## Noise Dealers

**THU 5.9. – SAT 7.9. & MON 9.9.** 15:00 – 16:20  
→ POSTCITY, Campus – Interface Cultures  
Exhibition Space

Sound performance event by the students of the University of Art and Design Linz, Interface Cultures.

**50 Shades of Forest**, Afra Sönmez (TR)

**Knotting the memory//Encoding the Khipu**, Patricia Cadavid H. (CO)

**Che si può fare?**, Monica Vlad (RO), Johanna Falkinger (AT)

## AlgorithmZoo Pt. 5.: KTV Session – Concert: Livemapping, 12 channel audio (2019)

Rico Graupner (DE)

**FRI 6.9.** 21:00 – 21:45  
**SUN 8.9.** 13:00 – 13:45  
→ University of Arts and Design, Main Square, Courtyard

This performance is part of a concert series that deals with the sonic fusion of different biological habitats. In this case, a beetle-controlled synthesizer interacts with the sound installation ZoomBx.

## MachinedHuman!

Jaskaran Anand (IN)

**SAT 7.9.** 11:30 – 12:30; 15:30 – 16:30  
**SUN 8.9.** 11:30 – 12:30; 16:00 – 17:00  
→ POSTCITY, Campus – Interface Cultures  
Exhibition Space

MachinedHuman! is a performance-oriented interactive installation that questions what exists. We are presented with an enthroned instance, apparently half human and half machine.

## Neigungsgruppe Medienfassade – Intervention on the facade of Ars Electronica Center

Academy of Media Arts Cologne, Media and Fine Art,  
Academic Group: exMedia

**THU 5.9. – MON 9.9.** 10:00 – 24:00  
→ Ars Electronica Center

By approaching the facade of the Ars Electronica Center as an oversized (yet direct) stage towards the public sphere, the students of the Academy of Media Arts Cologne propose an analysis, exploration, and even revision of the façade's role, meaning and functions. Through manifold site-specific interventions including interactive, political, expanded/animated, performative and art historical aspects, the façade serves as vector and container for individual artistic discourses to coexist.

**Overloading / Overloaded**, YUE (CN)

**Nord Süd**, Moritz Laumert (DE)

**Tape**, Kudo Mayuko (JP)

**Symmetry**, Lee Sooyeon (KR)

**Hyperscreen [Testpattern]**, Dawid Liftingier (AT)

**DEFACING**, Camilo Sandoval (CO)

**Body Public Space Visual Image**, Bela Usabaev (DE)

## Organic Farmers' Market

BIO AUSTRIA, Upper Austria

**SAT 7.9.** 10:00 – 17:00  
→ POSTCITY, First Floor, Entrance Waldegstraße

POSTCITY will be welcoming farmers on Saturday. In addition to sustainably produced foodstuffs, the focus is on alternative future agricultural scenarios in which technological innovations play an essential role. In organic agriculture, technology and machines are employed in an intelligent way. But organic farming also calls for people, since its very cornerstone is a feeling of closeness to humankind's domesticated animals and our environment. Market visitors can buy organic foods directly from the producers and taste a whole smorgasbord of delicacies. This is also the perfect place to engage in informative conversations about healthy, sustainable nutrition.

## Internet Yami-Ichi

**SAT 7.9.** 10:00 – 18:00  
→ POSTCITY, First Floor, Entrance Waldegstraße

Internet Yami-Ichi comes from Japanese and means "Internet black market." From meme cookies, to bracelets made of hard drive cables, to 3D prints of your own chess piece collection: treasures like these can be found at Internet-Yami-Ichis, humorous, quirky flea markets for Internet-related things. A similar event will be staged as part of Ars Electronica. Visitors are invited to browse through the curious offerings.



Holy Hydra, Raumteiler Linz Kulturverein

## Associated Program

In 2019, there will once again be numerous partner organizations in Linz showing their diverse projects as part of Ars Electronica.

### Holy Hydra

Raumteiler Linz Kulturverein — Amanda Augustin (AT),  
Lorena Höllrigl (AT)

**THU 5.9. – FRI 6.9.**

→ St. Josef Parish Church

In an interaction between theory and practice, the sacred space of the “Stadtpfarrkirche Urfaahr” (exalted parish church in Urfaahr) is going to be newly defined and contrasted by a distinctive symposium among other outstanding activities like contemporary dance performances, electronic sound art, interactive light installations and space-filling video projections.

**THU 5.9.**

**18:00 – 19:30 Symposium**

*Stefanie Duttweiler (CH), Barbara van der Meulen (CH), Stefan Netsch (AT)*

**20:00 – 02:00 Holy Hydra Nightline**

*Allone (GreyNote/Duzz Down San – AT), Antonia XM (Ashida Park/In Dada Social – AT), FVBIO (Ashida Park/Synes – IT/AT), Eliot (Backlab – AT) LIVE, Marlene Fally (NL/AT) LIVE*

**FRI 6.9.**

**18:00 – 20:00 Urlaub im Garten**

**20:00 – 02:00 Holy Hydra Nightline**

*Alja Ferjan & Barbara Vuzem, Björn Büchner & Klaus Reznicek (#bum-bummitniveau, Hydra – AT), Halfflow (Lifestyle Musik UK – AT), Therese Terror (BLISS, Hyperreality – AT)*

U >< N <> I << T >> A

#Urbana Natura in\_hancing\_The\_Augmented

STATION ROSE (AT)

**FRI 6.9.** 17:00 – 18:00

**SAT 7.9.** 17:00 – 18:00

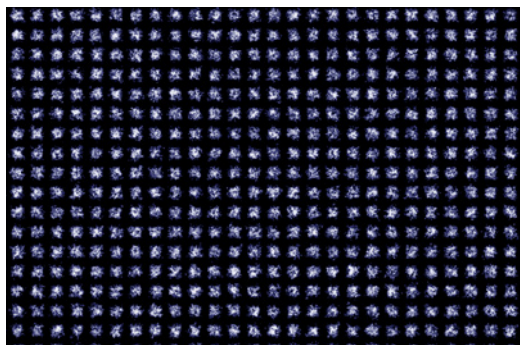
→ Galerie Hofkabinett, Hofgasse 12, 4020 Linz

Guided tour through the augmented exhibition (Artive App) followed by audio-visual chamber concert (works from the STATION ROSE digital archive 1988 – 2019).

#Urbana Natura in\_hancing\_The\_Augmented & vice versa – is an augmented audio-visual installation, an “Out of Nature into Urban Augmented Space & Back again” exhibition. The ensemble of Natur\_Urbanen\_Augmented spaces shows how these seemingly independent levels & forms of life are already deeply interwoven.



FUNGUAGE ROOM



Immersive Minimalism, Theresa Schubert (DE)

## Open Futurelab

**THU 5.9. – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ POSTCITY, Open Futurelab

Once again this year, the Ars Electronica Futurelab and its partners show at the “Open Futurelab” which projects and initiatives have been created in recent months in collaboration with industries, education, art, and science. The research and development force behind Ars Electronica sees itself as an atelier and a laboratory at the same time – what exactly this means can be seen at the exhibits, lectures and performances shown in this area.

### FUNGUAGE ROOM

Koichi Araake (JP), Eiji Iwata (JP), Michinari Kono (JP), Norio Sasaki (JP), Asa Ichinozuka (JP)  
BANDAI NAMCO Research Inc. (JP), Hakuodo Inc. (JP), Ars Electronica Futurelab (AT)

What could a language between humans and objects look like? Maybe like FUNGAUGE – a new form of language enabling humans and non-living material to communicate more effectively with each other. The current research progress and background, building on the idea that FUN could be a universal language that transcends cultural boundaries, is shown in a FUNGAUGE ROOM, where the new language is installed in a real-life environment.

### Alternative sports viewing:

#### Cross-modal appreciation of sports eventss

Junji Watanabe (JP), NTT Communication Science Laboratories (JP)

Haptic communication technology and human information science can update inclusive sports viewing. Junji Watanabe attempts to recreate a sports viewing experience that does not depend on visual or auditory stimuli, and in which spectators can generate alternative reality of the event.

### LIVING WALLS – Prototype Participatory Project

Hamish Banham (AU), James Dwyer (AU), Ruth Hawkins (AU), Kelly Hodge (AU), Tom He (CN), Peter Lloyd (AU/US), Thomas Long (AU), Steven O'hanlon-rose (AU), William Richardson-Davis (AU), and Matthew Vosten (AU)

*Living Walls* aims to confront and explore the possibilities and challenges associated with future living in the form of a participatory exhibit. Through the audience as a participatory agent, *Living Walls* provides a space for the public to explore what is important and valuable for their future living situation. To participate in the Living Walls project please make a booking with the team at the installation.

### Talk: Ars Electronica Australia

**FRI 6.9.** 10:00 – 12:30

*Presentations:* Hamish Banham (AU), Kelly Hodge (AU), Dr. Ryan Jefferies (AU), Peter Lloyd (AU/US), Dr. Anne Scott-Wilson (AU); *Panel Discussion:* Dr. Ryan Jefferies (AU), Glenn Harding (NZ), Kendal Rossi (CA/AU), Adam Zammit (AU); *Closing words:* Ambassador Dr. Brendon Hammer (AU); *Moderation:* Lubi Thomas (AU), Ars Electronica Australia

### Talk: Ars Electronica Partners Network

**FRI 6.9.** 14:00 – 16:30

*Speakers:* Adam Zammit AU & Kerry Hunt (AU), 3Fest, Wollongong Australien / Mona Liem (ID); *Media Art Globale, Jakarta Indonesia / Werner Jauk (AT)* Ars Electronica Research Institute / Eveline Wandl-Vogt (AT), Ars Electronica Research Institute / Philipp Wintersberger (DE), CARISSIMA; *Moderation:* Horst Hörtnner (AT), Ars Electronica Futurelab

### Panel Discussion: Immersify – Frontiers of European Media Creation

**SAT 7.9.** 10:00 – 12:30

*Speakers:* Mauricio Alvarez-Mesa (DE/CO), Tadej Droljč (SI), William Trossell (UK), Theresa Schubert (DE/AT), Martin Heck (DE); *Moderation:* Roland Haring (AT), Ars Electronica Futurelab

The objective of the Horizon 2020 research project Immersify is to push the boundaries of European Media infrastructures and content creation. In this panel, collaborators and researchers give insights into their latest work and discuss future potentials and directions. At the Immersify booth, the latest research results are presented and specially created content is presented on an 8K screen. The contents of Immersify will also be shown at screenings at Deep Space 8K at the Ars Electronica Center.

### Panel Discussion: FUNGAUGE – the FUN spirit in the future

**SAT 7.9.** 14:00 – 16:30

*Moderation:* Kyoko Kunoh (JP), Ars Electronica Futurelab  
After the panel discussion, there will be a small ceremony in honor of the 150th anniversary of the Austro-Japanese friendship.

### Panel Discussion: Poetic Systems

**SUN 8.9.** 10:00 – 12:30

*Moderation:* Stefan Mittlböck-Jungwirth-Fohringer (AT), Ars Electronica Futurelab

### Tea Session: Laboratory of the Future

**SUN 8.9.** 14:00 – 15:30

*Moderation:* Hideaki Ogawa (JP/AT); *Speakers:* Irini Papadimitriou (GR/UK), Giulia Tomasello (IT), Peter Holzkorn (AT), Kyoko Kunoh (JP/AT), Ali Nikrang (AT)



# CONFERENCES, LECTURES, WORKSHOPS



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"Prospects for Political Education" Symposium

## THURSDAY

### "Prospects for Political Education" Symposium

Let's argue. Conflict culture in the age of digital battlefields

**THU 5.9.** 10:00 – 16:45  
→ POSTCITY, Lecture Stage

Conflicts and fights have been with humanity since primeval times. In an ideal case, they are a prime mover for societal development; in the worst case they set free destructive powers of incommensurable strength, combined with human suffering and ecological, economic, and political catastrophes. The symposium seeks to investigate whether social media can contribute anything to a new culture of conflict and fighting or if these media obstruct such a culture, whether digitalization has changed communication, cooperation, and opportunities for manipulation and, last but not least, whether new forms of conflict would emerge through the digital transformation of society. In lectures and workshops, new socio-political repercussions are demonstrated and discussed on various levels.

An event produced jointly by the Upper Austria Teacher-Training College, Upper Austria Chamber of Labor and Ars Electronica.

#### THU 5.9

- 09:30 – 09:45 **Check in**
- 10:00 – 10:15 **Welcome** (*Ars Electronica, AK OÖ, PH OÖ*)
- 10:15 – 11:00 **Keynote: Playfully learning to program – Experiences from working with children and young people** *Rainer Stropek*
- 11:00 – 11:45 **Panel discussion:** *Niki Glattauer, Klaus Schwertner, Katharina Maunz, Moderation: Markus Rohrhofer*
- 11:45 – 12:00 **Announcement workshops**
- 12:00 – 13:00 **Lunch break**
- 13:00 – 14:30 **Workshops:**
  - 1. Mobbing**  
*Rainhard Leonhartsberger, SOS Menschenrechte*
  - 2. Body work and conflict management** *Karl Sibelius, PH OÖ*
  - 3. Fick dich, du Hurensohn – Verbal assaults in school and on web and how to overcome them**  
*Richard Wimberger, PH OÖ*
  - 4. Programming with children – practical tips for exercises and tools** *Rainer Stropek, Ars Electronica*
  - 5. #digitaleCourage**  
*Alina Steidl, AK OÖ*
  - 6. Social Media & fake news: An overview of the (dis-)information structures and how I can protect myself from false reports**  
*Andre Wolf, mimikama*
- 14:30 – 15:00 **Break**
- 15:00 – 15:45 **Project presentation JUSA:**  
SchülerInnen stellen ihr Tool zur Analyse von Konflikttypen vor
- 15:45 – 16:30 **Keynote: Hate speech – Fight back!** *Sigrid Maurer*
- 16:30 – 16:45 **Closure**
- from 17:00 **Guided tour through POSTCITY**

## Ars Electronica History Day

THU 5.9. 11:00 – 18:00  
→ POSTCITY, Conference Hall

The History Day conferences are dedicated to the anniversary celebrations of Ars Electronica. After 40 years in existence, we reflect on the various forms of digital media art that emerged during this time and were embedded and presented in the festival. Pioneers of artistic movements with strong impacts on the digital revolution from all around the globe will discuss outstanding ideas, practices and contributions from the intersection between art and technology.

Supported by Japan Media Arts Festival (organized by the Agency for Cultural Affairs, Government of Japan)

11:00 – 12:30

### 100 Jahre Bauhaus: We are not alone

Host: Ursula Damm (DE)

Speakers: Yvonne Volkart Schmidt (CH), Georg Trogemann (DE), Lasse Scherffig (DE), Alexandra Toland (US/DE), Frank Eckardt (DE)

12:30 – 13:30

### Telecommunications Art

Host: Josephine Bosma (NL)

Speakers: Bill Bartlett (CA), Doug Jarvis (CA), Tilman Baumgärtel (DE), Elisabeth Zimmermann (AT), Heidi Grundmann (AT), Salvatore Vanasco (IT/DE)

14:00 – 18:00

### Ars Electronica History Summit

Gerfried Stocker (AT), Hannes Leopoldseder (AT), Herbert W. Franke (AT), Peter Weibel (AT), Gottfried Hattinger (AT), Derrick de Kerckhove (CA), Franz Xaver (AT), Hiroshi Ishii (JP/US), Jon Cates (US), Vuc Cosic (SI), Andreas Broeckmann (DE), Christa Sommerer (AT), Machiko Kusahara (JP), Yukiko Shikata (JP), Minoru Hatanaka (JP), Atsuhito Sekiguchi (JP), Yoichiro Kawaguchi (JP), DooEun Choi (KR/US), Eduardo Kac (BR), Jens Hauser (DE/FR/DK), Monika Fleischmann (DE), Wolfgang Strauss (DE), Kyoko Kunoh (JP), Marta de Menezes (PT), Andreas J. Hirsch (AT)

## Bauhaus100 PANEL – We are not alone!

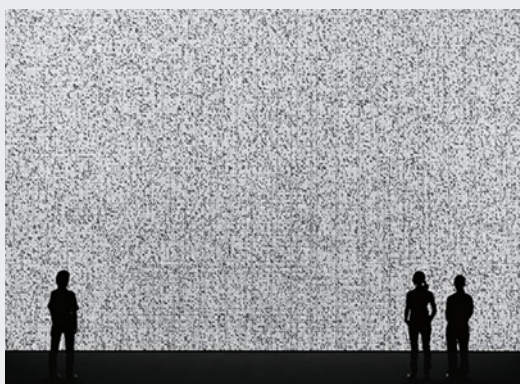
THU 5.9. 11:00 – 12:30  
→ POSTCITY, Conference Hall

The panel introduces lecturers who in recent years have devoted themselves to arts education that straddles the humanities and the natural sciences. The experiences gained through this examination of science and art find expression in an original theory as well as in the artistic practice of students, sometimes over several generations. We would like to take

the time for a critical inventory that not only leads to skepticism, but also to a change in the design of cultural technology. Teachers from various disciplines will explain approaches developed from the encounter of art practice and theory at art colleges. The focus is on the adventures and visions that manifest themselves 100 years after the euphoria of the Bauhaus.

Host: Ursula Damm (DE)

Yvonne Volkart Schmidt (CH), Georg Trogemann (DE), Lasse Scherffig (DE), Alexandra Toland (US/DE), Frank Eckardt (DE)



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data.tron, Ryoji Ikeda (JP)

## Gallery Spaces Panel I: Unlocking the power of digital art and emerging technologies to radically disrupt the art market

THU 5.9. 13:00 – 14:30  
→ POSTCITY, Gallery Spaces Stage

How will we value art in the future? The high-end art market has a reputation for being notoriously conservative and lacking parity. Yet increasingly diverse and empowered artists and consumers are heralding a radical market shift. Furthermore, evolving digital technologies offer unprecedented creative opportunities and the promise of decentralized infrastructure is radically disrupting held ideas of art ownership.

Moderator: Lovis Leonardo Lüpertz (DE)

Speakers: Pegah Ghojavand (DE), Anna Jill Lüpertz (DE), Robert Montgomery (UK), Wu Juehui (CN)

## Digital Theatre Network Meeting

**THU 5.9.** 15:00 – 17:30

→ POSTCITY, AIXMusic Stage

How can digital technology add to the magical, theatrical moment? Digital theatre entails a multitude of approaches and perspectives. Believing that new developments in digital theatre and technologies can increase engagement by bringing theatre to new audiences and sectors, ETC and Ars Electronica together with experts from the field, discuss relevant experiences, current projects and trends. Finally, the audience is invited to exchange ideas with the panelists about possible future applications of the digital in theatre.

*Moderation: Paulien Geerlings (NL)*

*Speakers: Andreas Erdmann (AT), Roland Haring (AT), Björn Lengers (DE), Marcel Karnapke (DE), Nimrod Vardi (UK), Fiona Zisch (DE), Alexandru Berceanu (RO)*

## Chilean Artist Talks

**THU 5.9.** 16:00 – 17:30

→ POSTCITY, AIXMusic Workshop Space

This year, for the second time, the Ministerio de las Culturas, las Artes y el Patrimonio and the Ministerio de Relaciones Exteriores | Gobierno de Chile and Ars Electronica Linz collaborated in asking artists, scientists, designers, researchers, entrepreneurs and social activists from Chile or with a Chilean background to participate in the Ars Electronica Festival and discuss the current developments and tendencies in the Chilean media art scene.

*Speakers: Mónica Bate (CL), Constanza Piña (CL), Carla Bolgeri (CL/IT), Francisco Marín (CL), Jean Danton Laffert (CL), Karin Astudillo (CL), Camilo Gouet (CL), Gonzalo Mezza (CL), Sebastian Vidal Valenzuela (CL)*

## FRIDAY

### AIXMusic Workshops

**FRI 6.9.** 10:00 – 16:00

→ POSTCITY, AIXMusic Workshop Space

The AIXMusic Festival will start with a series of workshops at POSTCITY. Reeps One and Domhnaill Hernon from Nokia Bell Labs will place a focus on disruptive research for the next phase in human history. Jérôme Nika and Daniele Ghisi, two composers collaborating with IRCAM, will present their research and offer some demonstrations of machine learning and com-

posing with AI. Computer music designer, musician, and researcher Koray Tahiroğlu will present tools for real-time performances of digital music and discuss how computation transforms our musical norms, habits, language and intentions, impacting widely upon how music is performed, experienced, shared and distributed. The workshop series will close with Christine Bauer, Peter Knees, Richard Vogl and Hansi Raaber highlighting the role of artificial intelligence, machine learning-supported composition, and recommender systems in the process of music creation.

**10:00 – 11:00 The Art of Intelligent Interruption and Augmented Relationships**

*Reeps One (UK) & Domhnaill Hernon (IE), Nokia Bell Labs*

**11:30 – 13:00 Computer Music designer and researcher – IRCAM**

*Jérôme Nika (FR), Daniele Ghisi (IT)*

**13:30 – 14:30 Digital Musical Interactions**

*Koray Tahiroğlu (FI/TR)*

**15:00 – 16:00 Recommenders and Intelligent Tools in Music Creation: Why, Why Not, and How?**

*Christine Bauer (AT), Peter Knees (AT), Richard Vogl (AT), Hansi Raaber (AT)*

## Midlife Crisis of the Digital Revolution – Theme Conference

**FRI 6.9.** 11:00 – 19:30

→ POSTCITY, Conference Hall

On Friday, the conference moves forward in time to explore current and future prospects of our increasingly digital world. Art and creativity have always been viewed as important contributors to ensuring that future technological implementations will happen under consideration of enlightened, critical and qualified perspectives. In recent years, we have lost confidence in the impartial and responsible use of our digital technologies and media. We should discuss whether trust in distinguished media outlets needs to be reestablished and the growing role of social media for formation of public opinions should be critically questioned. We should establish a sensible implementation of the emerging autonomous systems into our society, without forfeiting our humane values to economic calculations. Not only the arts, technology and economy are presented with the important task of preserving our humanity on our journey from automatization to autonomization – how can every one of us take an active role in shaping our future?

**11:00 – 12:00 Welcome to the Midlife Crisis**

*Gerfried Stocker (AT), Walter Ötsch (AT), Martin Rauchbauer (AT/US)*



**12:00 – 13:30 Creativity, Art & Education**

*Lynn Hughes (CA), Hermann Vaske (DE), Rachel Goslins (US)*

**14:00 – 15:30 Activate & Participate**

*Amanda Cox (US), Marta Peirano (ES), Fridays for Future (INT)*

**15:30 – 17:00 Trajectories**

*Sarah Petkus (US), Aza Raskin (US), Andrew Pickering (UK)*

**18:00 – 19:30 Humanizing AI**

*Roberto Viola (IT), Martina Mara (AT), Simon Euringer (DE/US), Keiichiro Shibuya (JP), Alexander Mankowsky (DE), Hermann Erlach (AT), Hiroshi Ishii (JP/US)*

This panel is part of the European ARTificial Intelligence Lab, which is co-funded by the Creative Europe Programme of the European Union.

## STARTS DAY

**FRI 6.9. 10:00 – 19:30**

The STARTS Day focuses on the STARTS Initiative and offers insights into collaborative practices at the intersection of art, technology, science and industry. In different discursive formats and presentations, extraordinary examples from this field are presented and their implementations, methods and impacts identified.

In collaboration with the European Union.

**Practices and Impacts of STARTS Collaborations**

**10:00 – 12:00**

→ POSTCITY, AIXMusic Stage

Practices and impacts of interdisciplinary approaches will be discussed through innovative projects, with a special focus on the link between artificial intelligence and music.

*Initiatives: Ars Electronica Futurelab, Daimler AG, Re-FREAM, STARTS Prize, EPFL+ECAL Lab, STARTS Residencies, IRCAM, Immersify, Stochastic Labs, Experiments in Arts and Technology (E.A.T.) at Nokia Bell Labs, STARTS Ecosystem, MindSpaces, Espronceda, City University Hong Kong*  
*Speakers: Hideaki Ogawa (JP/AT), Sabine Engelhardt (DE) & Alexander Mankowsky (DE), Isabel Berz (DE), Alejandro Martín Naranjo (ES), Florina Costamoling (AT), Nicolas Henchoz (CH), Hugues Vinet (FR), Vero Bollow (US), Domhnaill Hernon (IE), Aurelie Delater (PT), Roland Haring (AT), Maurice Benayoun (FR/HK)*  
*Moderation: Lucas Evers (NL)*

**Regional STARTS Centers**

**12:15 – 13:15**

→ POSTCITY, AIXMusic Stage

During STARTS Day, the Regional STARTS Centers take the opportunity to present some of their major activities through the prism of education: how do the Regional STARTS Centers help bring science, technology and the arts to the younger generation? How can innovation and technology act as a pedagogical means to impart the ideas of sustainability and societal change to the Millennials?

*In collaboration with BOZAR, Gluon, French Tech Culture, Meet, MADE Group, Ars Electronica and Film University Babelsberg*

**Co-Thinking the Renewal of Fashion**

**13:30 – 15:00**

→ POSTCITY, AIXMusic Stage

In this panel, artists and scientists involved in the Re-FREAM project will share their perspectives on future developments in the fashion industry, talking about responsive fashion, future materials and the fashion production system. Furthermore, the session gives insight into the Worth Partnership Project supporting the creation of cross-border and cross-discipline collaboration between fashion and design, technology, crafts, and manufacturing companies.

*In collaboration with Re-FREAM.*

*Speakers: Jessica Smarsch (US), Giulia Tomasello (IT), Tommaso Busolo (IT), Ivan Parati (IT), Julia Körner (AT), Jef Montes (NL), Ganit Goldstein (IL), Michael Wieser (AT), Viktor Weichselbauer (AT), Elisabeth Jayot (FR), Fabio Molinas (IT)*

**GET.Inspired**

**13:00 – 14:30**

→ POSTCITY, Lecture Stage

GET.Inspired spotlights promising projects at the nexus of art, technology and science. Startups and established companies give inspiring short presentations on creative forms of innovation.

**Legal framework for STARTS Collaborations**

**15:15 – 16:45**

→ POSTCITY, AIXMusic Stage

The creation of an appropriate legal framework is essential not only for cooperation during a project but also for the exploitation of innovative results. Based on successful examples from realized projects, panel participants discuss the suitable conditions for a legal framework for interdisciplinary collaboration projects, including new business models, different legal options and intellectual property rights.

*Speakers: Robert Bauer (AT), Jie Qi (US), Lucas Evers (NL), Domhnaill Hernon (IE), Camille C. Baker (CA/UK), Daehyung Lee (KR); Moderation: Christopher Lindinger (AT)*



## STARTS Talks

17:00 – 18:00

→ POSTCITY, Conference Hall

As part of the STARTS initiative, the STARTS Prize recognizes the most pioneering results and collaborations in the field of creativity and innovation at the intersection of science, technology and the arts. At the STARTS Talks the STARTS Prize'19 winners will present their approaches and perspectives, their working methods and the results they achieved.

*Speakers: Mar Santamaria Varas (ES), Pablo Martínez (ES), Bjørn Karmann (DK), Tore Knudsen (DK)*

*Moderation: Nadav Hochman (US)*

## Humanizing AI

18:00 – 19:30

→ POSTCITY, Conference Hall

Technology and the economy are presented with the important task of making sure that we won't lose our humanity on our journey from automatization to autonomization. In this panel we dive into the debate of how the leading developers can make sure that AI systems stay humane, fair and responsible.

*Speakers: Roberto Viola (IT), Martina Mara (AT), Simon Euringer (DE/US), Keiichiro Shibuya (JP), Alexander Mankowsky (DE), Hermann Erlach (AT), Hiroshi Ishii (JP/US)*

The STARTS Day program is a cooperation between STARTS Prize (grant agreement No 732019), STARTS Ecosystem (grant agreement No 824950), Re-FREAM (grant agreement No 825647) and Regional STARTS Centers and received funded by the European Union's Horizon 2020 research and innovation programme under the mentioned grant agreement numbers. The panel Humanizing AI is part of the European ARTificial Intelligence Lab, which is co-funded by the Creative Europe Program of the European Union.

## The Messy Shape of Problems – Past, Present and Future Perspectives of Design

→ POSTCITY, Campus – Academic Design Network  
Austria Exhibition Area

### Exhibition, Impulse lectures, Fishbowl Discussions and Workshops

Designers have to face an increasingly complex field of global challenges necessitating great sensitivity for relevant questions, adequate approaches and tools to develop sustainable solutions. How can design education convey the required skills and perspectives to cope with this dramatic rise in complexity? And how do technological advances shape the future of design? The continuously growing "Academic Design Network Austria" currently comprises the following partner institutions in Austria: Die Angewandte Wien; FH Joanneum, Graz; FH Salzburg (Puch-Urstein); FH Salzburg (Kuchl); FH St. Pölten; FH Vorarlberg; Kunstuniversität Linz, New Design University, St. Pölten; Universität Mozarteum, Salzburg, Alpen Adria Universität Klagenfurt, FH Oberösterreich

### FRI 6.9.

10:00 – 13:00 **Impulse Talks + Academic Speed Dating: Approaches to Design**

13:45 – 16:45 **Exploring Processes and Solutions: Asking relevant questions – Finding appropriate methods**

16:45 – 17:15 **Feedback and conclusion**

### SAT 7.9.

10:00 – 13:00 **Fishbowl Discussion: The Future of Design – Transitions in the field**

13:45 – 16:45 **Designing the Futures We (Do Not) Want: Speculative Design Lab**

16:45 – 17:15 **Feedback and conclusion**

### SUN 8.9.

10:00 – 13:00 **Fluid Format Creation – Implications for design research and teaching**

13:45 – 16:45 **The Messy Shape of Problems – Workshop: Approaching Complexity**

16:45 – 17:15 **Feedback and conclusion**

### MON 9.9.

10:00 – 13:00 **Designing the Commons**

13:45 – 14:45 **Workshop: Open Standards & Services**

## CyberRäuber-Workshop

Björn Lengers (DE), Marcel Karnapke (DE)

**FRI 6.7.** 10:00 – 12:00  
→ Ars Electronica Center, Project Space

Since 2016, Marcel Karnapke and Björn Lengers have worked together as CyberRäuber, bringing theatre into VR and VR into theatre. They do artistic research into new narratives, virtual stages, recorded and real-time acting on stage and VR. Their work is shown as repertoire pieces at several theatres and international festivals. In addition to showing their first interactive VR opera *Fragments | a digital Freischütz*, the CyberRäuber give a hands-on workshop with exclusive insights into VR theatre.

## Innovationsforum GET.Inspired

**FRI 6.9.** 10:30 – 19:30  
→ POSTCITY

In cooperation with the Upper Austrian Economic Chamber.

The power of individual technology groups and their exclusive role in shaping the future is increasingly subject to criticism. We are called upon to critically question and actively participate, instead of remaining passive victims of digital change. People and companies show how, by thinking against all rules, new paths can be taken outside the comfort zone. Developed jointly by the WKÖ Upper Austria and Ars Electronica, this year's Innovation Forum will once again take place as part of the Ars Electronica Festival.

**10:30 – 11:00 Welcome and Opening**  
→ POSTCITY, Conference Hall  
Doris Hummer (AT),  
Doris Lang-Mayerhofer (AT),  
Gerfried Stocker (AT)

**11:00 – 12:00 Welcome to the Midlife Crisis**  
→ POSTCITY, Conference Hall  
Walter Ötsch (AT),  
Martin Rauchbauer (AT/US)

**12:00 – 13:00 Networking LUNCH**

**13:00 – 14:30 GET.Inspired**  
→ POSTCITY, Lecture Stage  
Moderation: Bradly Dunn  
Klerks (NL/BE)  
Speakers: Johannes Klinglmayr (AT),  
Jen Keane (US), Drew Hemment  
(UK), Idalene Rapp (DE) & Natascha  
Unger (DE), Andreas Perotti (AT),  
Xin Liu (CN/US), Nobutaka Ide (JP),  
Johannes Braumann (AT), Markus  
Dorninger (AT), Sandira Blas (DE/US),  
Salomé Bazin (FR), Charlotte Jarvis  
(UK), Philipp Wintersberger (AT),  
Clemens F. Scharfen (AT), Sputniko!  
(JP/UK), Markus Roth (AT)

**15:15 – 16:45 Legal framework for STARTS  
collaborations**  
→ POSTCITY, AIXMusic Stage  
**17:00 – 18:00 STARTS Talks**  
→ POSTCITY, Conference Hall  
**18:00 – 19:30 Humanizing AI**  
→ POSTCITY, Conference Hall

The Humanizing AI Panel is part of the European ARTificial Intelligence Lab, which is co-funded by the Creative Europe Program of the European Union

## PhD PANEL: slow algorithms and the hazards of standardization

Bauhaus-Universität Weimar (DE)

**FRI 6.9.** 13:00 – 14:30  
→ University of Art and Design Linz, Main Square,  
Gläserner Hörsaal

Made up of four doctoral research students from the Bauhaus University Weimar's practice-based PhD program, this panel uses the 100-year anniversary of the Bauhaus to critically reflect on the cultural, educational, political, and economic standardization of art and design in society today.

Speakers: Francis Hunger (DE), Vanessa Farfán (MX/DE), Theresa Schubert (DE), Gabriel S. Moses (IL/DE),  
Moderation: Alexandra R. Toland

## Gallery Spaces Panel II: Art & Science for Ecology

**FRI 6.9.** 13:00 – 14:30  
→ POSTCITY, Gallery Spaces Stage

Since its creation, Quo Artis has developed a series of projects at different magnitudes that aim to reflect on our climate urgency and ecology. The roundtable presents an opportunity to put into context the works of the exhibition "Postnature. The Future is Present" presented by Quo Artis, while seeking to contemplate the creative potential of intersecting art and science, opening a line of escape towards a more ecological and sustainable future.

Moderator: Tatiana Kourochkina (RU)  
Speakers: Joaquin Fargas (AR), Daniel López del Rincón  
(ES), Maja Smrekar (SI)

## Gallery Spaces Panel III: The Potential and Limitations of the Media Art Market

**FRI 6.9.** 15:00 – 16:30  
→ POSTCITY, Gallery Spaces Stage

The media art market is constantly changing and gradually becoming more diverse through new players such as auction houses, mega galleries, and experimental galleries. What are the emerging trends for the art and technology market? This panel will broaden people's understanding of the media art market and collecting as well as raise questions about not only their potential but also their limitations.

*Moderator: DooEun Choi (KR/US); Speakers: Jason Foubberg (US), Eduardo Kac (BR/US), Kelani Nichole (US), Wiyu Wahono (ID), Anne-Cécile Worms (FR)*

## Expert Workshop on AIXCulture

**FRI 6.9.** 16:00 – 18:30  
→ POSTCITY, AIXMusic Workshop Space

Looking at the cultural, societal and philosophical aspects of Artificial Intelligence, the workshop focuses on the implications of AI for education, media, ethics and transparency. The expert participants will discuss impacts, benefits and threats of AI through the lens of concrete, artistic examples.

*Moderation: Hemment Drew (UK)*

This workshop is part of the European ARTificial Intelligence Lab, which is co-funded by the Creative Europe Programme of the European Union.

## Expanded Animation – OUT OF THE BOX

*Upper Austria University of Applied Sciences Hagenberg Campus (AT), Ars Electronica (AT)*

**FRI 6.9.** 12:00 – 17:45  
**SAT 7.9.** 12:00 – 17:00  
→ POSTCITY, Art Thinking Stage

In collaboration with the Upper Austria University of Applied Sciences' Hagenberg Campus, the 7th Expanded Animation symposium carries on a process launched in 2013 — mapping the wide-ranging domain of animated worlds of imagery beyond the well-trodden paths. The symposium stays the course originally set at its inception, and presents theoretical positions and perspectives from the art world, the R&D field and the industrial sector. The mission: To function as a driving force advancing an interdisciplinary discourse. This year's symposium takes the festival motto *Out of the Box – the Midlife Crisis of the Digital Revolution* and

offers several panel discussions of current trends in the extended field of computer animation. *Out of the Box* in the sense of “thinking against all conventions” captures the basic essence of the Expanded Cinema movement, widely regarded as a pioneer of media art.

[www.expandedanimation.com](http://www.expandedanimation.com)

### FRI 6.9.

12:00 – 12:15 **Welcome**

*Gerfried Stocker (AT) /  
Juergen Hagler (AT) /  
Alexander Wilhelm (AT)*

12:15 – 13:45 **Prix Forum – Computer Animation**

*Kalina Bertin (CA) – Golden Nica /  
Ruini Shi (CN) – Award of Distinction  
/ Cindy Coutant (FR) – Award of  
Distinction / Birgitta Hosea (SW/UK) –  
Moderation/Jury*

13:45 – 14:00 **Break**

14:00 – 14:30 **Book Presentation**

14:30 – 16:00 **Out of the Box I**

14:30 – 15:15 Jakob Schuh (DE)

15:15 – 16:00 Klaudiusz Wesolowski (PL)

16:00 – 16:15 **Break**

16:15 – 17:45 **Out of the Box II**

16:15 – 17:00 Mark Chavez (US)

17:00 – 17:45 Murat Pak (TR)

### SAT 7.9.

12:00 – 14:15 **Expanded Games**

12:00 – 12:45 Michael Frei (CH)

12:45 – 13:30 Miguel Sicart (DK)

13:30 – 14:15 Andreas Suika (DE)

14:15 – 14:45 **Break**

14:45 – 17:00 **Art & Industry**

14:45 – 15:30 Julius Steinhauser (AT/DE)

15:30 – 16:15 Nidia Dias (PT)

16:15 – 17:00 Beeple – Mike Winkelmann (US)

## PRIX FORUM

**FRI 6.9. – SAT 7.9.**

One of the absolute highlights of every Ars Electronica is the opportunity to meet Prix Ars Electronica prize-winners and to attend Prix forums to hear the artists elaborate on their oeuvre and current work. Moderated by Prix Ars Electronica jurors, these discussions provide fascinating insights into this year's categories: Computer Animation, Digital Musics & Sound Art and Artificial Intelligence & Life Art.

### Prix Forum I – Computer Animation (within the Expanded Animation Symposium)

**FRI 6.9.** 12:15 – 13:45

→ POSTCITY, Art Thinking Stage

*Moderation: Birgitta Hosea (SW/UK) – Jury member*

*Speakers: Kalina Bertin (CA) – Golden Nica / Ruini Shi (CN) – Award of Distinction / Cindy Coutant (FR) – Award of Distinction*

### Prix Forum II – Digital Musics & Sound Art

**SAT 7.9.** 11:00 – 12:30

→ OÖ Kulturquartier, Ursulinensaal

*Moderation: Shilla Strelka (AT) / Jury member*

*Speakers: Peter Kutin (AT) – TORSO #1, Golden Nica / Tomomi Adachi (JP), Andreas Dzialocha (DE), Marcello Lussana (IT) – Voices from AI in Experimental Improvisation, Award of Distinction / Samson Young (HK) – Muted Situation #22: Muted Tchaikovsky's 5th, Award of Distinction*

### Prix Forum III – Artificial Intelligence & Life Art

**SAT 7.9.** 12:30 – 14:00

→ OÖ Kulturquartier, Ursulinensaal

*Moderation: Jens Hauser (DE/FR/DK), Jury member*

*Speakers: Paul Vanouse (US) – Labor, Golden Nica / Špela Petrič (SI): Confronting Vegetal Otherness – Skotopoiesis, Phytoteratology, Strange Encounters, Award of Distinction / Adam Harvey (US) – VFRAME: Visual Forensics and Metadata Extraction, Award of Distinction*

## SATURDAY

### Workshop series European Platform for Digital Humanism

**SAT 7.9.** 10:00 – 16:15

→ POSTCITY, AIXMusic Workshop Space

*Registrierung unter [aixmusic-workshops.eventbrite.de](https://aixmusic-workshops.eventbrite.de)*

The Saturday of the festival features a workshop series in the framework of the European Platform for Digital Humanism. 300.000km/s, an interdisciplinary urban innovation office, will involve participants in a discussion around liveability in the context of urban planning and will show methodologies applied in their innovative project Ciutat Vella's Land-use Plan in Barcelona, which was awarded the STARTS Prize'19 for Innovative Collaboration. Bjørn Karmann and Tore Knudsen, winners of the STARTS Prize'19 for Artistic Exploration, will show visitors how to design their own Alias, a parasite that hacks your smart home assistant. The afternoon will have a focus on Women: Starting with *Women reclaiming AI*, Birgitte Aga and Coral Manton lead participants in designing an alternative AI Voice Assistant created by a growing community of self-identifying women (trans, intersex

and cis) and all nonbinary, agender and gender variant people. Charlotte Jarvis will then invite a select group of 12 women to participate in a ritual for populating history without patriarchy. This is a starting point of *In Posse*: an ambitious art project to make female sperm for this liberation purpose.

**10:00 – 11:00 How can we make more liveable cities?**

*300.000 Km/s (ES)*

**11:30 – 12:30 Project Alias – Design your own Parasite**

*Bjørn Karmann (DK), Tore Knudsen (DK)*

**13:00 – 14:30 Women reclaiming AI**

*Birgitte Aga (NO), Coral Manton (UK)*

**15:45 – 16:15 In Posse**

*Charlotte Jarvis (UK)*

The workshops Women reclaiming AI and In Posse are part of the European ARTificial Intelligence Lab, which is co-funded by the Creative Europe Programme of the European Union.

The workshops How can we make more liveable cities? and Project Alias – Design your own parasite are part of the STARTS Prize and received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 732019.

### Digital Makers Day – Digital Innovation Out of the Box

*FH St. Pölten, Industry meets Makers, Tabakfabrik Linz, Zukunftsakademie Mostviertel*

**SAT 7.9.** 10:00 – 15:00

→ POSTCITY, Lecture Stage

Digital innovation requires creative solutions to a digital culture shaped by co-creation, co-ideation, sharing economy, open access to resources, new forms of collaboration, etc. Major developments emerge "Out of the Box," often off the beaten track. Short impulse lectures, interactive formats and best-practice presentations will be used to discuss developments in digital culture and possible measures to be taken.

**10:00 – 15:00 Meet Digital Makers!**

Best-practice examples for a sustainable digital future, info stands, short presentations and speed dating by and with select changemakers

**10:30 – 11:30 Towards a Digital Culture!**

Opportunities and challenges for digital innovations in Austria and Europe, Lightning Talks and interactive discussion formats with experts



12:00 – 15:00 **Open the Boxes & Close the Gaps!**  
Co-ideation, information and experience exchange with forward and lateral thinkers for a sustainable digital future

## ZusammenHelfen-Konferenz

**Day of Encouragement**  
**SAT 7.9.** 10:15 – 18:00  
→ POSTCITY, Conference Hall

This is the fifth consecutive year that ZusammenHelfen – Working Together in Upper Austria for Refugees is hosting a conference for all those who are committed to and interested in helping people forced to flee, or who are affected by refugees and integration. This year's conclave entitled "Day of Encouragement" will scrutinize new prospects, discuss the latest developments and challenges, and elaborate on successful projects.

ZusammenHelfen—Working Together in Upper Austria for Refugees—is the go-to organization for everyone who is committed and interested.

from 9:30 **Admission**  
10:15 – 10:45 **Opening and Greeting**  
Surprise guest, Upper Austrian Regional Minister for Integration Rudi Anschöber (AT) and Artistic Director of the Ars Electronica Gerfried Stocker (AT)  
10:45 – 11:10 **„Wenn der Jasmin auswandert“**  
Jad Turjman, author  
11:10 – 11:35 **#wirsindooe**  
Introducing the campaign [Wir sind Oberösterreich] of the Ministry for Integration  
11:35 – 12:10 **„Menschen aus Afghanistan“**  
Current news on the integration focus in Upper Austria  
12:10 – 13:20 **Panel discussion “Future of Integration Policy in Austria and the EU”**  
13:20 – 14:05 **Lunch Break**  
14:05 – 15:10 **„Migration und Kriminalität – Fakten, Hintergründe, Lösungen“**  
Prof. Dr. Dirk Baier, Zurich University of Applied Sciences  
15:10 – 15:45 **The association for young African and other diasporas “MIGRAFRICA”**  
Amanuel Amare, Managing Director MIGRAFRICA

15:45 – 16:15 **#ichbinhier – How to fight hatred on the net?**  
Alex Urban, Head of Action Group #ichbinhier  
16:15 **Raffle Drawing, Outlook and Conclusion**

## Sonic Saturday – “Medium Sonorum”

**SAT 7.9.** 11:00 – 13:00  
→ Anton Bruckner Private University, CMS Sonic Lab

The Sonic Saturday *Medium Sonorum* computer music matinée at Anton Bruckner University's 20.4 channel concert hall, the CMS Sonic Lab, presents recent works by Tobias Leibetseder, Erik Nyström, Astrid Schwarz and Tania Rubio, as well as a rarely performed classic, the *36 enfilades pour Piano et Magnétophone* by Luc Ferrari with Kaori Nishii at the piano and Angélica Castelló on the mixing desk.

## Gallery Spaces Panel IV: Interdisciplinary Art – how becoming established?

**SAT 7.9.** 13:00 – 14:30  
→ POSTCITY, Gallery Spaces Stage

Museums, galleries, collectors, curators, and critics are part of the active market participants influencing the dynamics. Artists seeking interdisciplinary approaches are in need of resources, display and active discourse with all industry participants to increase awareness, understanding and appreciation for interdisciplinary work. What is needed of all industry participants to propel interdisciplinary work to a representation established level?

*Moderator: Christina Steinbrecher-Pfandt (DE/US)*  
*Speakers: Daria Parkhomenko (RU), Marko Peljhan (SI/US), Mariano Sardon (AR)*

## Gallery Spaces Panel V: Artists & scientists – Exploring new forms of collaboration (Scientist in Residence Program)

**SAT 7.9.** 15:00 – 16:30  
→ POSTCITY, Gallery Spaces Stage

Just as artists today are increasingly interested in science and technology, scientists and technologists are turning to the arts as a source of new perspectives



and tools for communication. To what extent can these interdisciplinary collaborations stimulate innovative ideas and projects of social relevance? What challenges do scientists have to face in working together with artists? And how can organizations help them achieve meaningful exchanges?

*Moderator: Christophe De Jaeger (BE)*

*Speakers: Tarek R. Besold (DE), Raoul Frese (NL), Beatrice de Gelder (NL), Frank Raes (BE)*

## AIXMusic Festival St. Florian

The AIXMusic Festival is organized by Ars Electronica and the European Commission as part of the STARTS initiative.

**SAT 7.9.** 14:00 – 22:00  
→ St. Florian Monastery

*Shuttles operate every 15 minutes between POSTCITY and Monastery St. Florian between 13:00 – 22:30. For holders of an event ticket or FESTIVAL/DAY pass.*

## AIXMusic Panels

→ St. Florian, Sommerrefektorium

**Panel I: Homo Deus**  
**SAT 7.9.** 14:30 – 15:30

For many centuries science in Europe was conceivable only in the service of religion and in accordance with the doctrine of the Church. In the industrial age, technology and science were entirely subordinated to the rational of economy. With the introduction of ML and AI, ethical and moral aspects suddenly reappeared. How can/shall AI research and development deal with this?

*Moderation: Renata Schmidtkunz (DE)*

*Speakers: Josef Penninger (AT), Sophie Wengerscheid (DE)*

Following the panel Yishu Jiang (AT) will perform *Johann Sebastian Bach: Suites for unaccompanied cello*.

**Panel II: AI, more than a technology**  
**SAT 7.9.** 16:00 – 17:00

AI is expected to open many new possibilities for creators, not replacing them but assisting and supporting their work. Even more so we see big expectations for the businesses related to the distribution of music. What are the consequences and implications? What kind of new business models can we expect? How will this affect the artists?

*Moderation: Renata Schmidtkunz (DE)*

*Speakers: Markus Poschner (DE), Douglas Eck (US), François Pachet (FR)*

Following the panel, violist Weiping Lin (AT/TW) will perform *Bach Hauer Scelsi Cage*.

**Panel III: Deep Journalism, Information and Misinformation in the age of Artificial Intelligence**  
**SAT 7.9.** 18:00 – 19:00

Which potentials and risks does the increasing automation and handling of information processes entail? Can we develop sensitive strategies for our data in digital space?

*Moderation: Renata Schmidtkunz (DE)*

*Speakers: Walter Ötsch (AT), Marta Peirano (ES), Amanda Cox (US)*

**Panel IV: What is Creativity?**  
**SAT 7.9.** 19:00 – 20:00

Numerous theoreticians, artists and lately also neuro-scientists have tried to unlock the secrets of creativity and in our new economy it has also become a much sought after ingredient for commercial success. So what is it, where does it come from and could it be delivered also by AI-Systems?

*Moderation: Renata Schmidtkunz (DE)*

*Speakers: Amanda Cox (US), Oliviero Toscani (IT), Hermann Vaske (DE)*

## AIXMusic Dialogues

**Dialogue I: Markus Poschner (DE) & Ali Nikrang (AT)**  
**Komposition, Interpretation, Reproduction – 3 shades of creativity**  
**SAT 7.9.** 15:00 – 15:30  
→ St. Florian, Altomonte Saal

**Dialogue II: Maja Smrekar (SI) & Aza Raskin (US)**  
**AI & Bio Art**  
**SAT 7.9.** 15:30 – 16:00  
→ St. Florian, Tafelzimmer

**Dialogue III: Vuk Ćosić (SI) & Vladan Joler (RS)**  
**Anatomies of AI**  
**SAT 7.9.** 16:00 – 16:30  
→ St. Florian, Altomonte Saal

**Dialogue IV: Ludger Brümmer (DE) & Vittorio Loreto (IT)**  
**AI and Music Research**  
**SAT 7.9.** 16:30 – 17:00  
→ St. Florian, Tafelzimmer

**Dialogue V:**  
**Clara Blume (AT/US) & Naut Humon (US)**  
**Overview of the AI and Music scene in the Bay Area**  
**SAT 7.9.** 17:00 – 17:30  
→ St. Florian, Altomonte Saal

**Dialogue VI:**  
**Lynn Hughes (CA) & Alain Thibault (CA)**  
**AI and Gaming**  
**SAT 7.9.** 18:30 – 19:00  
→ St. Florian, Tafelzimmer

**Dialogue VII:**  
**Akira Maezawa (JP), Brian M. Levine (CA),  
Norbert Trawöger (AT), Francesco Tristano (LU)**  
**Dear Glenn, – Yamaha AI Project**  
**SAT 7.9.** 19:00 – 19:30  
→ St. Florian, Altomonte Saal

**Walking Lectures:  
Calculated Sensations**

Anthony Moore (UK/FR), Siegfried Zielinski (DE)

→ Starting Point: 14:30 Adlerbrunnen im Stiftshof

Moore’s and Zielinski’s expanded lecture is an invitation for travelling in a time machine: a journey through the Deep Time of Acoustics and Hearing – between calculation, sensation and endless variants of the art of combination.

14:45 **Bibliothek**  
15:30 **Basilika**  
16:10 **Novizengarten**

**The need for a digital revolution in  
our cities**

Prix BLOXHUB Interactive, Ars Electronica

**SAT 7.9.** 14:00 – 15:30  
→ POSTCITY, AIXMusic Stage

By 2030, an estimated 5 billion will be living in the world’s major cities. Based on UN Sustainable Development Goal 11.3, the international prize Prix BLOXHUB Interactive has been established to enable human-centered, digital solutions to the global challenges brought on by rapid urbanization. Operating at the intersection of space, technology and behavior, this session will try to unfold new possibilities in using digital technology in new ways to create more liveable cities for everyone.

Speakers: Indy Johar (UK), Mara Balestrini (ES), Liselott Stenfeldt (DK), Manuela Naveau (AT)

**Campus-Forum:  
Universities and their way to...**

**SAT 7.9.** 16:00 – 18:00  
→ POSTCITY, Lecture Stage

The universities are in crisis. Is that really still the case? Or is not our entire world off kilter if we trust predictions of global warming, the digitalization of our bodies and environment, and associated issues of privacy and civil rights? Knowing that the words “crisis” and “critique” are based on the same ancient Greek root, it is logical to further ask: How do we accompany our students during this time so that they take a self-confident and active stand? How do we manage to offer a space that is well secured but not too far removed from reality for students to critically create?

**SUNDAY**

**European Platform for Digital  
Humanism – A conference by the  
European ARTificial Intelligence  
Lab**

**SUN 8.9.** 10:00 – 15:00  
→ POSTCITY, Conference Hall

The Sunday conference program will concentrate on European challenges to find a distinctly European approach to shaping our future. How can Europe guarantee that emerging technologies won’t lose touch with our humanity and humane values? Recent years have brought to light some serious fallacies in machine learning systems, requiring us to make sure that artificial intelligence will be fair, inclusive and responsible. We have always created helpful tools for our living and survival. But since our technology has become ever more invasive, we should closely monitor the handling of our data by automated decision-making processes. The question arises of how we can take sensible regulatory action across Europe and even on a global scale, and what these processes could look like.

This conference is part of the European ARTificial Intelligence Lab, which is co-funded by the Creative Europe Programme of the European Union.

**10:00 – 11:00 Bias Research**  
*Introduction: Roberto Viola (IT)*  
*Host: Derrick de Kerckhove (CA)*  
*Eveline Wandl-Vogt (AT), Clara Blume (AT), Andreas Broeckmann (DE)*

- 11:00 – 13:30 Inclusive AI Applied**  
*Birgitte Aga (NO) & Coral Manton (UK), Max Haarich (DE), Vladan Joler (RS), Maja Smrekar (SI), Joana Moll (ES), Margherita Pevere (IT/DE), Aisling Murray (IE)*
- 13:30 – 15:00 Experiential AI: Entanglements – Fair, Moral and Transparent AI**  
*Presented by the Experiential AI group of the Edinburgh Futures Institute  
 Drew Hemment (UK), Vaishak Belle (IN), Larissa Pschetz (DE), Dave Murray-Rust (UK)*

## AIXMusic Day

- SUN 8.9.** 10:00 – 18:00  
 → POSTCITY, AIXMusic Stage

Artificial intelligence is changing our understanding of music. Starting with a series of talks, the AIXMusic Matinée invites universities and institutions like IRCAM or Aalto University to share their research and present an overview about what it is happening today in those incubators. The second panel will discuss the massive changes within the music industry caused by the developments of AI. There is a revolution in the creative industries from creation to production, from copyrights to distribution and consumption. The third panel on AIXMusic Education invites Gerald Wirth from the Wiener Sängerknaben and Vive Kumar from Athabasca University to present the Neuromusic Education Simulator (NES). We close our AIXMusic Day with the most recent trends on the music market, including startups presenting potential developments for the music industry and how they might impact our society.

- 10:00 – 13:00 AIXMusic Matinée**  
**Institut de Recherche et Coordination Acoustique/Musique (IRCAM)**  
*Speakers: Hugues Vinet (FR), Philippe Esling (FR), Daniele Ghisi (FR), Jérôme Nika (FR)*  
**Music Information & Music Data**  
*Speakers: Ludger Brümmer (DE), Christine Bauer (AT), Peter Knees (AT)*  
**Pioneering the educational field**  
*Speakers: Koray Tahiroğlu (FI/TR), Nick Bryan-Kinns (UK)*
- 13:15 – 14:45 AIXMusic Industry Application Oriented Research**  
*Speakers: Vittorio Loreto (IT), SonyLab / Francois Pachet (FR), Spotify / Akira Maezawa (JP), Yamaha*

- 15:00 – 16:00 AIXMusic Cultural Organizations**  
*Speakers: Gerald Wirth (AT), Wiener Sängerknaben / Vive Kumar (IN), Athabasca University (US), Veronika Liebl (AT), Ars Electronica / Matthias Röder (DE), Karajan Institut*
- 16:15 – 17:30 AIXMusic Applications**  
*Speakers: Jean Beauve (FR), 01W audio / Oleg Stavitsky (RU), Endel / Florian Richling (AT), Fortunes / Ivan Turkal (HR/AT), Music Traveler / Taishi Fukuyama (JP), Amadeus Code*

## AIXMusic Workshops

- SUN 8.9.** 10:30 – 18:00  
 → POSTCITY, Workshop Stage

In recent years, the academic interest in applying deep learning to creative tasks such as generating text, images or music has drastically increased. These workshops offer everyone the opportunity to try out the AI systems used for making and playing music. Andrew McPherson will present *Bela*, an open-source embedded hardware platform for creating interactive audio systems. The second workshop by Ali Nikrang focuses on current technical approaches to automatic music generation. Next, Alex Braga introduces *A-MINT*, the first artificial intelligence to enter conservatories and music institutions as a separate instrument to be learned alongside traditional musical instruments. Philippe Esling, researcher from the IRCAM will present an AI-trained glove that can orchestrate sounds in real time, empowering anyone, including non-musicians, to create their own music. The AIXMusic Workshops series will close with Gerald Wirth from the Wiener Sängerknaben and Vive Kumar from Athabasca University showing their latest research on teaching music with AI. Participants will have the chance to experience the NES (neuromusic education simulator) a revolutionary tool based on the Wirth Method.

- 10:30 – 12:00 Creating interactive audio systems with Bela**  
*Andrew McPherson (UK)*
- 12:30 – 13:30 Automatic Music Generation with Deep Learning – Fascination, challenges, constraints**  
*Ali Nikrang (AT)*
- 14:00 – 15:00 A-MINT**  
*Alex Braga (IT)*
- 15:30 – 16:30 ACIDS: Artificial Creative Intelligence**  
*Philippe Esling (FR)*

17:00 – 18:00 **We Revolutionize Music Education: The Neuromusic Education Simulator (NES)**  
 Gerald Wirth (AT), Wiener Sängerknaben / Vive Kumar (IN), Athabasca University (US)

## Gallery Spaces Panel VI: Paradoxes and obstacles in maintaining and staging alive biomedia art

**SUN 8.9.** 13:00 – 14:30  
 → POSTCITY, Gallery Spaces Säulenhalle

This panel with prominent protagonists from the field of biomedia art discusses the unprecedented challenges of staging, transporting, conserving, and collecting art that appropriates and subverts the most diverse technologies of the life sciences. The shift from organic representation or simulation to actual biological manipulation results in technical, institutional, regulatory, legal, ethical, bureaucratic, philosophical, and aesthetic issues.

*Moderator: Jens Hauser (DE/FR/DK)*

*Speakers: Jo Wei (CN), Vicente Matallana (ES), Marta de Menezes (PT), Robertina Šebjanič (SI), Paul Vanouse (US)*

## Gallery Spaces Panel VII: Digital art going mainstream?

**SUN 8.9.** 15:00 – 16:30  
 → POSTCITY, Gallery Spaces Stage

With the history of digital art from the 1960s to current immersive digital art installations, which quickly generate an immense following and are considered commercially successful – has digital art become mainstream? The conversation will try to unfold what production of digital art means for the artists themselves and for museums and collectors with regard to exhibiting, collecting and archiving.

*Moderator: Christina Steinbrecher-Pfandt (DE/US)*

*Speakers: Sergiu Ardelean (RO/AT), Hemma Schmutz (AT), Taihei Shii (JP), Nimrod Vardi (UK)*

## Lecture Stage

As every year, the Festival provides different spaces where international speakers take part in discursive program topics. The Lecture Stage is the second main room dedicated to these events, after the larger Main Conference Hall. Here diverse sessions are presented in different formats.



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**THU 5.9.**

10:00 – 16:45 **“Prospects for Political Education” Symposium**

**FRI 6.9.**

10:30 – 19:30 **Innovationsforum GET.Inspired**

**SAT 7.9.**

10:00 – 15:00 **Digital Makers Day – Digital Innovation Out of the Box**

16:00 – 17:30 **Campus-Forum: Universities on their way to...**

**SUN 8.9.**

16:00 – 17:30 **FIS Future Scenario Presentation**

## AIXMusic Workshop Space

The AIXMusic Workshop Space is an open room that belongs to the program of theme conferences and exhibitions in POSTCITY, mainly focused on the experts' experience, the artistic work and processes of creation. It provides an intimate space for presentations, panels, workshops and discussions, creating a friendly space for knowledge exchange. International artists, academics and speakers from the general program of the Festival will take part, inspired by this year's main topics. The AIXMusic Workshop Space gives attendees the opportunity to enjoy the input of the expert members of the Festival at close quarters, learning through direct participation with them.

**THU 5.9.**

14:00 – 15:30 **Knowledge Engine Co-Creation Workshop**

16:00 – 17:30 **Chilean Artist Talks**

**FRI 6.9.**

10:00 – 16:30 **AIXMusic Workshops**

16:00 – 18:30 **Expert Workshop on AIXCulture**

**SAT 7.9.**

10:00 – 16:15 **Workshop Series European Platform for Digital Humanism**

**SUN 8.9.**

10:30 – 18:00 **AIXMusic Workshops**

## Gallery Spaces Panels

→ POSTCITY, Gallery Spaces Stage

Acknowledging the newly emerging forms and displacements of the media-art economy, the Gallery Spaces Panels face the criticalities and strengths of the art market, seen as a resource for supporting artists' activity and the development in this cultural field. This new edition will focus on the uprising role of media artists on the art market, while facing the threat that their works will be lost in the future if we don't act now.

### THU 6.9.

12:30 – 14:00 **Gallery Spaces Panel I:  
Unlocking the power of digital  
art and emerging technologies to  
radically disrupt the art market**

### FRI 7.9.

13:00 – 14:30 **Gallery Spaces Panel II:  
Art & Science for Ecology**

15:00 – 16:30 **Gallery Spaces Panel III:  
The Potential and Limitations of  
the Media Art Market**

### SAT 6.9.

13:00 – 14:30 **Gallery Spaces Panel IV:  
Interdisciplinary Art – how  
becoming established?**

15:00 – 16:30 **Gallery Spaces Panel V:  
Artists & scientists – Exploring  
new forms of collaboration  
(Scientist in Residence Program)**

### SUN 8.9.

13:00 – 14:30 **Gallery Spaces Panel VI:  
Paradoxes and obstacles in  
maintaining and staging alive  
biomedia art**

15:00 – 16:30 **Gallery Spaces Panel VII:  
Digital art going mainstream?**

## AIxMusic Stage

The AIxMusic Stage will host events exploring the questions of how AI applications can support composers and musicians in their creative work, what new means of expression could arise as a result, and how this will change the role of the individual. Presenting and reflecting on current examples will be of particular importance.

### THU 5.9.

15:00 – 17:30 **Digital Theatre Network Meeting**

### FRI 6.9.

10:00 – 12:00 **Practices and Impacts of STARTS  
Collaborations**

12:15 – 13:15 **Regional STARTS Centers**

13:30 – 15:00 **Co-Thinking the Renewal of  
Fashion**

15:15 – 16:45 **Legal framework for STARTS  
Collaborations**

### SAT 7.9.

14:00 – 15:30 **The need for a digital revolution  
in our cities**

### SUN 8.9.

10:00 – 18:00 **AIxMusic Day**

## Ars Electronica Art Thinking School / Future Innovators Summit

### THU 5.9. – MON 9.9.

→ POSTCITY, Art Thinking House

The Ars Electronica Art Thinking School is a new Festival program consisting of special guided tours, lectures, talks, workshops and actions to get inspired for inventing a better future by connecting creators, industries, governments, and citizens. Future Innovators Summit (FIS) is a comprehensive workshop format within the Ars Electronica Art Thinking School program. Young and experienced experts from different cultures and backgrounds – such as artists, designers, scientists, engineers, entrepreneurs, social activists and philosophers – will gather at the festival to explore new ways of collective brainstorming on crucial questions for humanity and to develop future scenarios. The FIS was jointly developed by Ars Electronica Futurelab and Hakuodo – a leading communication design firm in Japan.

Interested festival visitors are invited to attend the following program and join the intensive discussions of the FIS participants:

### THU 5.9.

11:30 – 12:30 **Welcome Tour**

→ POSTCITY, Art Thinking House

### FRI 6.9.

16:00 – 18:00 **Creative Question Workshop**

→ POSTCITY, Art Thinking House

### SAT 7.9.

13:00 – 14:30 **Future Scenario Workshop**

→ POSTCITY, Art Thinking House

### SUN 8.9.

16:15 – 17:30 **Future Scenario Presentation**

→ POSTCITY, Lecture Stage



# EXHIBITIONS, PROJECTS

## 40 Years of Ars Electronica

Since its inception in 1979, Ars Electronica has remained true to its core value of connecting the realms of art, technology, science and society. Today, 40 years later, Ars Electronica is one of the leading institutions in the field of media art, not only deeply rooted in the public sphere and cultural landscape of Linz, but also an important link to the international community. With a variety of formats and initiatives, Ars Electronica traces current processes and developments in art, technology and society and makes them accessible to the general public. Presence in public space is therefore one of its most important aspects: interdisciplinary projects regularly invite regional and international visitors to engage with current issues, visions and possibilities.



Van Gogh TV

At the festival, 40 Years of Ars Electronica is celebrated in two formats, each presenting a selection of outstanding projects in the history of Ars Electronica. ARS and the CITY displays exceptional works in the public space while ARS on the WIRE shows initiatives in the public digital space.



Ars Electronica Festival 1994 — Alles Spiel, audience participation

## ARS on the WIRE

THU 5.9. – FRI 6.9. 10:00 – 18:30  
SAT 7.9. – SUN 8.9. 10:00 – 19:30  
MON 9.9. 10:00 – 18:00  
→ POSTCITY, Roof Top

*Last entry is 30 min before closing.*

Long before the Internet began to attract widespread attention in the form of the WWW and before a young generation of artists began to critically examine the structures, peculiarities, and future possibilities of this new medium under the term “Net Art,” telecommunications art projects began to take place (from the late 1970s onwards) dealing with global networking. From the outset, Ars Electronica was a venue for this pioneering artistic work.

Chicago New Media 1973-1992, *VGA Gallery (US)*

Interplay; Exploring Telecommunications, Art, and Collaboration, 1978 – 1983, *Bill Bartlett (CA), Doug Jarvis (CA)*

It started with Cassette Culture!, *Wolfgang Dorninger (AT)*

Japanese Media Art Chronicle, *Atsuhito Sekiguchi (JP), Hiroko Myokan (JP), Minoru Noma (JP), Keiko Kobayashi (JP), Ryoji Tanaka (JP)*

Long Night Talks. For Robert Adrian, *Roberto Paci Dalò (IT)*

The World in 24 Hours, *Robert Adrian X (CA)*

## ARS and the CITY

THU 5.9. 10:00 – 21:00  
FRI 6.9. – SAT 7.9. 10:00 – 18:00  
SUN 8.9. 10:00 – 20:00  
MON 9.9. 10:00 – 18:00  
→ LENTOS Art Museum Linz

A retrospective on the activity and impact of Ars Electronica in, with, and for Linz: Ars Electronica's art, media and participation projects in public space – from 1979 to the present day.



## The new Ars Electronica Center

**THU 5.9. – SAT 7.9.** 10:00 – 20:00  
**SUN 8.9.** 10:00 – 24:00  
**MON 9.9.** 10:00 – 18:00  
 → Ars Electronica Center

*In order to look into the future, a telescope is enough; to move in it, a compass is needed.*

From a telescope that opens up a glimpse into the future, the Ars Electronica Center becomes a compass and guide in the present. “Compass – Navigating the Future” is now the motto, claim and invitation of the comprehensively redesigned building. The topics in the new Ars Electronica Center range from artificial intelligence and neurobionics, to autonomous systems and robotics, to genetic engineering and biotechnology, to the far-reaching global changes of our time.

## Deep Space 8K

**THU 5.9.** 10:00 – 20:00  
**FRI 6.9.** 10:00 – 23:00  
**SAT 7.9.** 10:00 – 20:00  
**SUN 8.9.** 10:00 – 20:00  
**MO 9.9.** 10:00 – 18:00  
 → Ars Electronica Center

During the festival, international artists will have the opportunity to take advantage of the jumbo-format projection surfaces and state-of-the-art, ultra-high-resolution technology in Deep Space 8K to present their interactive performances, playful interventions and fascinating worlds of imagery. There are things happening on the musical level here too—excellent musicians working together with visual artists. Several projects presented this year will surprise festivalgoers with world premieres taking them on a journey into the works of Leonardo Da Vinci as well as pioneers of media arts, and for the first time ever a live stream in 8K resolution awaits them. They will catch a glimpse into the Great Pyramids of Giza in 3D and enjoy playing a laser tracking quiz about 40 years of Ars Electronica.

## Human Limitations – Limited Humanity

**THU 5.9. – FRI 6.9.** 10:00 – 18:30  
**SAT 7.9. – SUN 8.9.** 10:00 – 19:30  
**MON 9.9.** 10:00 – 18:00  
 → POSTCITY

*Last entry is 30 min before closing.*

At its core, the exhibition Human Limitations – Limited Humanity revolves around the relationship between humanity and the environment, and our



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**!brute\_force**, Maja Smrekar (SI)

limitations within it. What socio-ethical obligations arise from our present technologies and our ever-increasing interaction with nature? The first part, “Human Limitations,” addresses the topic on an individual level. With today’s body extensions, microchip implants or genetic editing methods we have reached a point where we can deeply adapt and alter the human body. “Limited Humanity” approaches the question of societal limitations, which have been clearly exposed in light of recent issues like the debates on refugees, global warming, mass surveillance or big data. Cooperation is key when tackling the complex challenges of our time, for no individual being can see all their far-reaching implications alone. Technology is, taken by itself, neither a friend nor an enemy in this world: it is what we make of it.

**!brute\_force**, Maja Smrekar (SI)

**Alter Ego**, Moritz Wehrmann (DE)

**Biosignal\_Cybernation**, Y2K – Chiao-Chi Chou (TW), You-Yang Hu (CN)

**CROSSING #03**, Akinori Goto (JP)

**CRYPTID**, Michael Candy (AU)

**Deep Data Prototypes 1, 2 + 3**, Andy Gracie (UK)

**Earthlink**, Saša Spačal (SI)

**Human X Shark**, Ai Hasegawa (JP)

**Humanity (Fall of the Damned)**, Scott Eaton (US/UK)

**I ’ am**, Luís Graça (PT), Marta de Menezes (PT)

**In Posse**, Charlotte Jarvis (UK)

**Institute for Inconspicuous Languages: Reading Lips**, Špela Petrič (SI)

**Lasermice**, So Kanno (JP)

**Microbial Keywording**, Klaus Spiess (AT), Lucie Strecker (DE)

**Modified Paradise: Dress**, AnotherFarm (JP)

**Namahage in Tokyo**, Etsuko Ichihara (JP), ISID OPEN INNOVATION LAB. (JP)

**nimiia cétii**, Jenna Sutela (FI)

**Poise→[d]**, Dmitry Morozov / ::vtol:: (RU)

**Putting the Pieces Back Together Again,**  
*Ralf Baecker (DE)*

**Radiosands,** *Thom Kubli (DE/CH) with ZHAW /  
Sven Hirsch (DE)*

**Simulation,** *Jörg Brinkmann (DE)*

**STAR VALLEY,** *Marko Peljhan (SI/US),  
Matthew Biederman (CA/US)*

**Sunny Side Up,** *AATB – Andrea Anner (CH),  
Thibault Brevet (FR)*

**Tiger Penis Project,** *Kuang-Yi Ku (TW)*

**Why Are We Creative?,** *Herman Vaske (DE)*

## European Platform for Digital Humanism

... **THU 5.9. – SUN 8.9.** 10:00 – 19:30  
**MON 9.9.** 10:00 – 18:00  
... → POSTCITY

Can or should there be something like a European way into the digital society, between the “data capitalism” of the IT monopolists and the “data totalitarianism” of the authoritarian regimes? And if so, would such a European “data humanism” also be competitive? The success of many digital products and services will soon no longer depend on whether the processor is still a little faster, or the screen is even more colorful, but rather on the confidence of the users in the services and on the credibility of the providers. This also opens up opportunities to take seriously the idea that our use of data should not be merely profitable but also socially appropriate. Great hopes are being placed in the cooperation of art and technology and a large number of EU projects and cooperation initiatives have set themselves the goal of strengthening the role of art, creativity and education in the development of the ideas, concepts and scopes of action needed for creating sensible data policies.

[burnout] **Maschine,** *Max Kullmann (DE)*

**Aerial-Biped,** *Azumi Maekawa (JP), Shunji Yamanaka (JP)*

**AI-Pop. Walking sound-knowledge-base,**  
*Werner Jauk (AT)*

**Bird Language,** *Helena Nikonole (RU)*

**Deep Angel – Shadows Left Behind,** *Manuel Cebrian (ES), Zivvy Epstein (US), Joyce Feng (US), Matt Groh (US),  
Nick Obradovich (US), Iyad Rahwan (SY)*

**Distinction Machine,** *Kim Albrecht (DE)*

**I, HUMAN, SAINT MACHINE (RO)**

**Machine to support the starving artist,**  
*Timm Burkhardt (DE)*

**Maschine, die auf Gott wartet,** *Hannes Waldschütz (DE)*

**Privacy Machine,** *Timm Burkhardt (DE)*



© Martin Hestmair

**Ghosthouse, H.O (INT)**

**Republik Užupis,** *Max Haarich (DE), Rafael Hostettler (DE)*

**TeleAgriCulture\_Rhizomatic Bias,** *Julian Stadon (AU),  
Erik Overmeire (NL), Daniel Artamendi (ES) & V2\_ Lab for  
Unstable Media (NL)*

**The Object of the Internet,** *Projet EVA – Etienne Grenier (CA),  
Simon Laroche (CA)*

**the shell,** *Amir Bastan (IR), Johannes Braumann (AT)*

**tx-mirror,** *Martin Reinhart (AT), Virgil Widrich (AT)*

**VOIGHT-KAMPFF,** *Yonlay Cabrera (CU)*

## European ARTifical Intelligence Lab

The European ARTifical Intelligence Lab is bringing AI-related scientific and technological topics to the general public and art audiences in order to contribute to a critical and reflective society. The project is looking beyond the technological and economic horizon to scrutinize cultural, psychological, philosophical and spiritual aspects. From the perspective of 13 major cultural operators in Europe, the European ARTifical Intelligence Lab centers on the visions, expectations and fears that we associate with the concept of a future, all-encompassing artificial intelligence.

The European ARTifical Intelligence Lab is co-funded by the Creative Europe Programme of the European Union.

... **THU 5.9. – SAT 7.9.** 10:00 – 20:00  
**SUN 8.9.** 10:00 – 24:00  
**MON 9.9.** 10:00 – 18:00  
... → Ars Electronica Center

**Anatomy of an AI,** *Vladan Joler (RS), Kate Crawford (AU)*

**Distributed Robotic Assembly for Timber Structures,**  
*Samuel Leder (US), Ramon Weber (CH)*

**Ghosthouse, H.O (INT)**

**Learning to See: Gloomy Sunday,** *Memo Akten (TR)*

**MegaPixels,** *Adam Harvey (US), Jules LaPlace (US)*

**NORAA Machinic Doodles,** *Jessica In (UK/AU)*

**SEER**, *Takayuki Todo (JP)*

**Umbilical digital**, *Dmitry Morozov / ::vtol:: (RU)*

**Volumetric Data Collector**, *Hyun Parke (KR/US),*

*Jinoon Choi (KR), Sookyun Yang (KR)*

**What a Ghost Dreams of**, *H.O (INT)*

**THU 5.9. – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ POSTCITY

**Ai-Da Robot Artist**, *Oxfordians (UK, INT),*

*Aidan Meller (UK), Lucy Seal (UK)*

**Doing Nothing with AI**, *Emanuel Gollob (AT)*

**Feminist Data Set**, *Caroline Sindere (US)*

**Gender Shades**, *Joy Buolamwini (US)*

**In Posse**, *Charlotte Jarvis (UK)*

**SHE BON**, *Sarah Petkus (US)*

**The Seeker**, *Nye Thompson (UK)*

**UngenauBot**, *Ilmar Hurkxkens (NL), Fabian Bircher (CH)*

**Women Reclaiming AI**, *Birgitte Aga (UK),*

*Coral Manton (UK)*

## The Practice of Art & Science

**THU 5.9. – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ POSTCITY

The rapprochement, as it were, of art and science, the artistic exploration of new applications, is a key factor in the increasingly social dimension of new technologies in order to comprehend how reciprocal human-machine relationships, interactions among individuals and globally networked systems can not only be better understood but, above all, better designed. International crews of artists and scientists have taken up this task, and now present their works. This year The Practice of Art and Science is particularly focusing on collaborative projects in the European context and beyond, as well as interdisciplinary approaches. Crossing boundaries in all conceivable ways – the curiosity of the pioneer – has always been within the DNA of art and science.

**(un)shaped**, *Takayuki Hirai (JP), Yasuaki Kakehi (JP)*

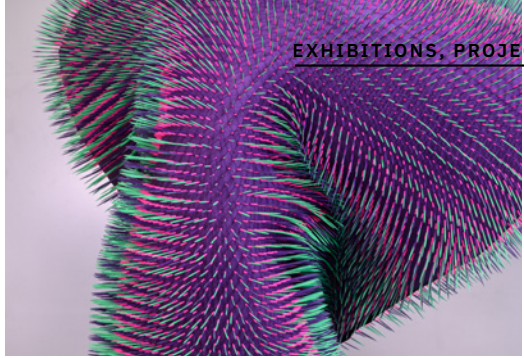
**Anti Conductor**, *Ryo Kishi (JP)*

**In the Lab: Processing Fashion**, *Fashion & Technology, University for Art and Design Linz (AT)*

**Mutupo**, *Natsai Audrey Chieza (UK), Karl Aspönd (US)*

**Organic Primitive Bioplastics**, *Primitive Labs Biodesign (US)*

**Particle Post**, *Yuri Tanaka (JP), Pavle Dinulović (RS), Umut Kose (TR), Chris Bruckmayr (AT)*



**Doing Nothing with AI**, Emanuel Gollob (AT)



**Anti Conductor**, Ryo Kishi (JP)

**Per aspera ad astra – 50 years after the Moon**,

*Space Exploration Initiative, MIT Media Lab (US)*

**Basil in Zero Gravity**, *Harpreet Sareen (IN)*

**Food for Earthlings**, *Maggie Coblentz (CA)*

**Medusae – From Deep Sea to Deep Space**,

*Xin Liu (CN)*

**Space/Craft: Exploring Sculpture in Zero-Gravity**,

*Alexis Hope (US)*

**SpaceHuman**, *Manuel Muccillo (IT),*

*Valentina Sumini (IT)*

**Telemetron Orchestra**, *Nicole L'Huillier (CL),*

*Sands Fish (US), Thomas Sanchez Lengeling (MX)*

**Polytronics**, *Hannes Möseneder (AT), Agnes Hofstätter (AT), Steffanie Painsith (AT), María José Molina (CO)*

**Prix BLOXHUB Interactive**, *Liselott Stenfeldt (DK), Nina Bonne Breum (DK)*

**Programmable Droplets**, *Udayan Umapathi (IN/US)*

**Smart Traffic – Augmented Cyclists meet Automated Vehicles**, *CARISSMA – Center of Automotive Research Technische Hochschule Ingolstadt (DE)*

**The Form of Digital Nature**, *Yoichi Ochiai (JP)*

**Triaina: Model A**, *AnotherFarm (JP)*

**xDiversity Project**, *Yoichi Ochiai (JP), JST CREST Project Colleagues (JP)*

## EMAP / EMARE

**THU 5.9. – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ POSTCITY

EMAP (European Media Art Platform) annually awards production grants to outstanding European media artists and supports research, production, presentation and distribution of media art in Europe and beyond. Ars Electronica is showing six works created during production residencies – one of which, Trans\*Plant, was created during a residency at Ars Electronica in Linz.

EMAP is co-funded by the Creative Europe Programme of the European Union.

*Clams*, Marco Barotti (IT)

*Online Culture Wars*, DISNOVATION.ORG (FR/PL)

*Speculative Artificial Intelligence*, Birk Schmithüsen (DE)

*The Eye of the Other*, MAEID – Daniela Mitterberger (AT), Tiziano Derme (IT/AT)

*The Hidden Life of an Amazon User*, Joana Moll (ES)

*Trans\*Plant: May the Chlorophyll be with /in you*, Quimera Rosa (AR/ES/FR)

## STARTS Exhibition

**THU 5.9. – SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ POSTCITY

The S+T+ARTS = STARTS initiative is a program of the European Commission launched in 2016 to encourage synergies between the arts and technology to support innovation in industry and society. STARTS promotes the inclusion of artists in research and innovation activities in Europe and funds projects to encourage collaborations of engineers, scientists and artists. As one of these projects, Ars Electronica in collaboration with BOZAR and Waag has launched a prize to select the most pioneering collaborations and results in the field of creativity and innovation where science and technology intersect with the arts. At the festival, Ars Electronica presents the STARTS initiative and a selection of the prizewinning and nominated works of STARTS Prize 2019.

STARTS Prize has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 732019.

*30°*, Mathias Foot (DE), Janna Nikoleit (DE), Franziska Rast (DE), Stephan Schakulat (DE)

*Alterplex / 3D Chess / Proelium / Slime Mould Chess / X+N / X-or / ZeroX*, Hakan Lidbo (SE)

*Anatomy of an AI System*, Kate Crawford (AU) / AI Now Institute and Vladan Joler (RS) / SHARE Lab

*Arte Eletronica Indigena*, Thydeuá (BR)

*Beholder*, United Visual Artists (UK)

*BLP-2000D*, BCL – Georg Tremmel (AT) and Shiho Fukuhara (JP)

*Ciutat Vella's Land-use Plan*, Big Data, KDD and Citizen Participation to Ensure Coexistence between Economic Activity and Citizens' Quality of Life, 300.000 Km/s (ES)

*Facebook Algorithmic Factory*, Vladan Joler (RS)

*Groove – Motion as a Language*, Studio 7.5 (DE)

*Infusing Empathy in Self Driving Cars Through Anime Expressions*, Yuki Moriyama (JP), Eiji Kawata (JP), Ryohei Fukushi (JP)

*Journey on the Tongue*, Ayako Suwa (JP), Evala (JP), Yasuaki Kakehi (JP)

*Meandering River*, onformative (DE), kling klang klong (DE)

*PatentPandas.org*, Jie Qi (US), Carol Lin (US), May Qi (US), Ira Winder (US)

*Project Alias*, Rename your home assistant and make sure it never listens, Bjorn Karmann (DK), Tore Knudsen (DK)

*Pulsation*, Tupa, Aruma – Sandra de Berduccy (BO), Maria Selma Batista Ferreira (BR), Camaca Imboré / Tupinambá Indigenous community, Bahia (BR)

*Re-FREAM*, Re-Think Fashion, Wear It Berlin GmbH (DE), Creative Region Linz & Upper Austria (AT), AITEX (ES), Care Applications S.L. (ES), Consorzio ARCA (IT), Empa (CH), Fraunhofer IZM (DE), HARATECH (AT), IED Rec (ES), PROFACTOR (AT), Stratasys (IL), University of Art and Design Linz / Department Fashion & Technology (AT)

*SimCath*, Fernando Bello (MX), ICCCESS & Salomé Bazin (FR), Cellule studio

*SLAP – See Like A Pony*, Sabine Engelhardt (DE)

*Stone Web – Expanding Space*, Idalene Rapp (DE), Natascha Unger (DE)

*This is grown.*, Jen Keane (US)

*Topography of the Information warfare*, Vladan Joler (RS)

*The Earth that Is Us*, A terra que nos somos, Bruno Gomes (BR), Karapotó Plak-ô Indigenous community, Alagoas (BR)

*The Murder of Pavlos Fyssas*, Forensic Architecture (UK)

*THE VOICE OF THE SEA*, A voz do mar, Óscar Octavio 'Ukumari' (BO), Pataxó de Barra Velha Indigenous community, Porto Seguro, Bahia (BR)

## Immersify – cutting-edge tools for the next generation of immersive media

PSNC – Poznan Supercomputing and Networking Center (PL), Spin Digital Video Technologies GmbH (DE), Ars Electronica Futurelab (AT), Marché du Film – Festival de Cannes (FR), Visualization Center C (SE)

THU 5.9. – SUN 8.9. 10:00 – 19:30  
 MON 9.9. 10:00 – 18:00  
 → POSTCITY

Immersive media let us dive deep into images and videos – sometimes to the point where we completely forget the world around us. In order to transform this new kind of media from a niche phenomenon to widespread practice, the Ars Electronica Futurelab and four partners from all over Europe are working on a common research project, Immersify. The Immersify booth will show insights into current research processes and present several specially developed contents on an 8K screen.

THU 5.9. 11:30 – 12:00  
 FRI 6.9. 17:00 – 17:30  
 SAT 7.9. 16:30 – 17:00  
 SUN 8.9. 10:30 – 11:00  
 MON 9.9. 16:00 – 16:30  
 → Ars Electronica Center, Deep Space

Immersify researches the next generation of immersive media – at several screenings, insights into the current research outcomes and artistic applications are given.

Immersify 8k Live Streaming  
 FRI 6.9. 10:00 – 11:00  
 → Ars Electronica Center, Deep Space

The Immersify 8K Live Streaming Demo shows the premiere of a real-time broadcast of 8K content from Poland and Japan directly into the immersive environment of Deep Space 8K.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 762079

## Immersive Ambisonic Audio

Wojciech Raszewski (PL), Jan Skorupa (PL), Eryk Skotarczak (PL), Leszek Nowak (PL)

THU 5.9. – FRI 6.9. 10:00 – 18:30  
 SAT 7.9. – SUN 8.9. 10:00 – 19:30  
 MON 9.9. 10:00 – 18:00  
 → POSTCITY, Gleishalle Foyer

Last entry is 30 min before closing.

Immersive Ambisonic Audio is an experimental ambisonic space combined with VR. The installation is built of 24 independent loudspeakers, which come together to create a sphere. Visitors have the opportunity to stand in the center of the area, wear VR goggles and take part in two different music sessions. The first session is a modern jazz song played by a septet called Anomalia. The second piece is a contemporary music composition for live electronics, Tibetan bowls, and a string quintet composed by Jan Skorupa. The demo is a combination of 3D ambisonic audio and VR, which gives participants a unique experience.

## AIxMusic

In the context of exhibitions, the AIxMusic Festival also presents numerous artistic installations as well as prototypes and products. It engages with art and music to demonstrate and discuss the latest achievements of AI research with respect to their potential impact on our lives.

THU 5.9. – SUN 8.9. 10:00 – 19:30  
 MON 9.9. 10:00 – 18:00  
 → POSTCITY

A-Mint, Alex Braga (IT)

Computers that Learn to Listen, JKU, Gerhard Widmer (AT)

Experiments in Art and Technology Lab at Nokia Bell Labs, Domhnall Hernon (IE)

In Posse, Charlotte Jarvis (UK)

IRCAM, Jérôme Nika (FR)

IRCAM – Artificial Creative Intelligent and Data Science (ACIDS), Philippe Esling (FR)

NOISA, Koray Tahiroglu (FI/TR)

Radiosands, Thom Kubli (DE/CH) with ZHAW / Sven Hirsch (DE)

The Neuromusic Education Simulator (NES) Project, Wiener Sängerknaben (AT), Gerald Wirth (AT)

Yamaha AI Piano, Yamaha Cooperation – Akira Maezawa (JP), Rintaro Kane (JP), Minako Shintake (JP), Kei Shimada (US/JP), Naoya Takizawa (US/JP), Toshihiko Tanabe (JP)

## START-UPS

OW1 Audio, Jean Beauve (FR)

Amadeus Code, Taishi Fukuyama (JP), Jun Inoue (JP), Hide Nakanishi (JP), Masa Matsumoto (JP), Gyo Kitagawa (JP), Gin Kitagawa (JP)

Endel, Oleg Stavitsky (RU)

Music Traveler, Aleksey Igudesman (DE/AT), Julia Rhee (KR/US), Dominik Joelsohn (DE/AT), Ivan Turkalj (HR/AT)



**SAT 7. 9.** 14:00 – 22:00  
→ **St. Florian Monastery**

**Anschwellen – Abschwellen**, Volkmar Klien (AT)

**Bird Language**, Helena Nikonole (RU)

**Critical Cartography: Unauthorized Blueprints**,  
Vladan Joler (RS)

**Das audiovisuelle Archiv**, Volkmar Klien (AT)

**Ittrans\_ctx**, Ryoichi Kurokawa (JP)

**La fabrique des monstres**, Daniele Ghisi (IT)

**last, breath**, Dmitry Morozov / ::vtol:: (RU)

**Looped Improvisation**, Ali Nikrang (IR/AT),  
Michael Lahner (AT)

**Mutual understanding**, Thomas Grill (AT)

**nimiia cétii**, Jenna Sutela (FI)

**SEER: Simulative Emotional Expression Robot**,  
Takayuki Todo (JP)

**Soundform No.1**, Yasuaki Kakehi (JP), Mikhail Mansion  
(US), Kuan-Ju Wu (US)

**Umbilical digital**, Dmitry Morozov / ::vtol:: (RU)

## Campus Program

Campus is a platform for international exchange between universities, leading to increasing collaboration between academic partners. In 2019, 57 universities and institutions from many parts of the world showcase the results of their educational programs at the interface of art and technology, first and foremost, Bauhaus University Weimar, celebrating their 100th anniversary. Universities from Australia, Asia, the USA and Europe are also prominently represented in the campus program. The University of Art and Design Linz also plays a decisive role with its Interface Cultures course, which has promoted and developed the Campus Program for many years.

## Bauhaus100 @ University of Art and Design Linz

**THU 5.9., FRI 6.9., SUN 8.9.** 11:00 – 21:00  
**SAT 7.9., MON 9.9.** 11:00 – 19:00  
→ University of Art and Design Linz

**Shared Habitats**, Bauhaus University (DE)

## Campus Exhibitions @ POSTCITY

**THU 5. 9. – SUN 8. 9.** 10:00 – 19:30  
**MON 9.9.** 10:00 – 18:00  
→ **POSTCITY, Campus**

**The Ornaments of the Post-Anthropocene**, Academy of  
Arts Architecture and Design in Prague (CZ)

**Neigungsgruppe Medienfassade**, Academy of Media  
Arts Cologne (DE)

**Philosophy of Drawing**, Aichi University of the Arts (JP)

**“The Messy Shape of Problems” Past, Present  
and Future Perspectives of Design**, Academic Design  
Network Austria (AT)

**Spectacular Resonance**, Camberwell College of Arts,  
University of the Arts London (UK)

**Zen Machine**, Central Academy of Fine Arts Beijing (CN)

**VALIS**, Random(lab), ESAD Saint-Étienne/ENSBA Lyon (FR)

**HKU Showcase**, HKU University of the Arts Utrecht (NL)

**Content One Campus – Network Intelligence**, KOCCA  
Korea Creative Content Agency (KR)

**Into the Distance**, London College of Communication,  
University of the Arts London (UK)

**Navigating without a View**, London College of Fashion,  
University of the Arts London, (UK)

**Hands-on Media Art Theory**, Masaryk University  
Brno (CZ)

**SANDBOX (R)EVOLUTION**, Queen Mary University of  
London (UK)

**Technoetic Pharmakon**, Roy Ascott Technoetic Arts  
Studio, Shanghai Institute of Visual Arts (CN)

**Always Already Alien**, School of the Art Institute of  
Chicago (US)

**PSEUDOREALITY ALTERNATIVES**, Cheoung Kung  
School of Arts & Design, Shantou University (CN)

**SIX MOVEMENTS**, Bartlett School of Architecture,  
University College London

**Light**, University of Applied Sciences Würzburg-  
Schweinfurt (DE)

**TRANSCODE!**, Interface Cultures, University of Art and  
Design Linz (AT)

**Time Capsule – Narrations for Another Future**, Visual  
Communication, University of Art and Design Linz (AT)

**TIMELESSNESS**, University of Lisbon (PT)

**Define Sentience**, CINETic, University of Theatre and Film  
“I.L. Caragiale”, Bucharest (RO)

**Sounds of the Earth**, University of West Bohemia Pilsen (CZ)

**LatBio Lab**, UMAI Maimonides University (AR)

**Growing out of Unnatural**, Universitat Politècnica de  
València (ES)



## “Hyundai Meets Art” Zone

*Ars Electronica Export*

THU 5.9. – SUN 8.9. 10:00 – 19:30  
 MON 9.9. 10:00 – 18:00  
 → POSTCITY, First Floor

Hyundai Motor Company is one of the most committed supporters of contemporary arts and culture globally with various way of approach – decade-long partnerships with the National Museum of Modern and Contemporary Art, Korea (MMCA), Tate, the Los Angeles County Museum of Art (LACMA), and partnership with major art world events including the Biennale of Sydney, Korean Pavilion at the Venice Biennale and collaboration with the global media group Bloomberg, as well as supporting numerous art initiatives and prizes around the globe. With a world-wide network of partnerships, Hyundai believes art is a lens that helps them expand their understanding of the world and move forward with the right questions for society.

Blue Prize

Bloomberg Art + Technology Films

ZER01NE, innovation platform of Hyundai Motor Group

VH AWARD

A Thousand Horizons, *Dongjoo Seo (KR)*

Highway like A Shooting Star, *Youngkak Cho (KR)*

BLACK AIR, 최찬숙 *Chansook Choi (KR)*

Hear the Wind\_Across the Border, *Kim Hyungkyu (KR)*

A Journey, *Je Baak (KR)*

Tribes, *Universal Everything (UK)*

Wilson, *Lee Jangwon (KR)*

OS: ROOMTONE, *Kim Dongwook (KR), Jeon Jinkyung (KR)*

## Gallery Spaces

THU 5.9. – FRI 6.9. 10:00 – 18:30  
 SAT 7.9. – SUN 8.9. 10:00 – 19:30  
 MON 9.9. 10:00 – 18:00  
 → POSTCITY, Säulenhalle & Paketspeicher

*Last entry is 30 min before closing.*

Since its successful launch, the Gallery Spaces Program has brought a large number of international galleries and collections with their different positions on digital art to the Ars Electronica Festival. But there is more to it than showing digital artists represented by galleries – it is above all about the changing conditions of creating and marketing art under the impact of digitalization. New possibilities and business models for positioning oneself in the digital online

marketplace are discussed as well as digital strategies for museums and established art collections. The roundtables accompanying the exhibition also discuss how digital art can be preserved in the long term and how the many works created since the 1960s can be restored and preserved for the future. With its continuous work and experience in the production and presentation of media art and digital art since 1979, as well as the remarkable exhibition areas of POSTCITY, Ars Electronica is the ideal environment for this exchange.

**æternity Crypto Foundation, Vaduz**

The Graffiti Project

**ArtJaws, Paris/New York/Hong Kong**

Art & Artificial Intelligence, *Robbie Barrat (US), Ronan Barrot (FR)*

**Galerie Anita Beckers, Frankfurt a. M.**

WASTELAND NEONS, *Igor Simić (RS/US)*

**Galleria Artericambi, Verona**

M0T3TU5, *Alessandro Capozzo (IT)*

**The Beep Electronic Art Collection, Reus**

Aurelia 1+Hz / Proto Viva Generator, *Robertina Šebjanič (SI)*

Eclipse II, *Félicie d’Estienne d’Orves (GR/FR)*

The Wall of Gazes, *Mariano Sardón (AR), Mariano Sigman (ES)*

Luci, sin nombre y sin memoria, *Jose Manuel Berenguer (ES)*

PsyCHO TRance // K-Hole, *Kenneth Dow (DE)*

Paintball Techniques, *Patricio Rivera (AR)*

post-window, *TopLap – Lina Bautista (CO/ES), Ivan Paz (MX/ES)*

**Bildrecht, Vienna**

REVISITED, *Markus Oberndorfer (AT)*

**Blockchain.art, San Francisco**

**BOZAR Centre for Fine Arts, Brussels**

Pretext (Book), Pretext (Drawing), A small small mannerism, The top of an egg, *Jerry Galle (BE)*

**Galerie Charlot, Paris**

Machine for Living, *Sabrina Ratté (CA)*

**D21 Proyectos de Arte, Santiago**

Archivo Liberado, *Gonzalo Mezza (CL)*

**ELEKTRA, Montréal**

LIMINAL, *Louis-Philippe Rondeau (CA)*

**EXILE, Vienna**

Formal Structures, *Patrick Fabian Panetta (DE)*

Spiritual Reality, *Lou Cantor (DE)*

Not Invented Here / Proudly Found Elsewhere, *Fette Sans (DE)*

**Gluon, Brussels**

Behind The Robots Eyes , Daman Diawara (US)  
Art & D Lab: Significant Other, Jonas Lund (SE) x  
Televic (BE)  
Caput (head), Disrupted Sensations, Intelligent  
Guerrilla Beehive research, AnneMarie Maes (BE)

**Galería José de la Mano, Madrid**

The Computation Centre, José Luis Alexanco (ES),  
Tomás García Asensio (ES), José Luis Gómez Perales  
(ES), Lugán (ES), Enrique Salamanca (ES), Ana  
Buenaventura (ES), Elena Asins (ES)

**Galerie Liusa Wang, Paris**

Pixel Errors of Very Large Telescopes I – III, Pixel  
Errors of Very Large Telescopes IV – IX, LGM#4,  
Very Cold Spot Brass sculpture, Quadrature – Juliane  
Götz (DE), Sebastian Neitsch (DE)

**MAM Mario Mauroner Contemporary Art  
Salzburg-Vienna**

Level II, mischer'traxler studio (AT)

**Media Art Globale, Jakarta – Zurich**

Indonesia Kaya in Augmented Reality, My Identity  
in Augmented Reality, Budi Ubrux (ID)  
The Work of Art in The Age of Instastory, Reza  
Zefanya Mulia (ID)  
Digital Investigations #1 & #2, Valerio Vincenzo (IT)

**QUO ARTIS, Barcelona**

Survival Kit for the Anthropocene – TRAILER, Maja  
Smrekar (SI)  
Utopia, Joaquín Fargas (AR)  
Biosphere, Joaquín Fargas (AR)  
Species Reclamation Via a Non-linear Genetic  
Timeline: An Attempted Hymenochirus Curtipes  
Model Induced By Controlled Breeding, Brandon  
Ballengée (US)  
Trans\*Plant: connecting with mycorrhiza intranet  
[edible version], Q.R\*3: Quimera Rosa (ES/AR/FR) +  
Roger Rabbitch (ES) + Rebeca Paz (ES)

**Startbahn, Inc., Tokyo**

Daisuke Nishijima (JP)  
Kazuki Takakura (JP)

**Takuro Someya Contemporary Art, Tokyo**

Ittrans\_ctx, Ryoichi Kurokawa (JP)

**TRANSFER, Los Angeles**

Liminal Beings, Eva Papamargariti (GR)

**V E N T gallery, Vienna**

Spaces in Between, Ivo Rick (DE)

**Wiyu Wahono Collection, Jakarta**

data.tron, Ryoji Ikeda (JP)  
Modell 5, Granular Synthesis – Kurt Hentschläger (AT) &  
Ulf Langheinrich (DE)  
Living Mirror, C-Lab (UK) – Howard Boland & Laura Cinti

Natural History of the Enigma, Plantimal #4,  
Eduardo Kac (BR/US)

Ting\*, Tromorama (ID) – Febie Babyrose, Herbert Hans,  
Ruddy Hatumena

**YAIR – Your Art Is Reality, Berlin**

bitTOWER, Wu Juehui (CN)  
Cat: Collaborating with a Neural Network, Rachel  
Smith (UK)  
KHIPU, Constanza Piña (CL)  
last breath , Dmitry Morozov / ::vtol:: (RU)  
Material Poetry #2: ArchIVE, Alexander Wöran (AT)  
Meditative Symbiosis, Jean Danton Laffert (CL),  
Karin Astudillo (CL), Camilo Gouet (CL)  
Origin, Refik Anadol (TR/US)  
Strata # 4, Quayola (IT)  
taking away, Eginhartz Kanter (AT/DE)  
Trauma Mapping, Aksiniya Peicheva (BG)  
Delta. A piece, Selbst mit Hund, Selbst mit Fisch,  
VALIE EXPORT (AT)

THU 5.9. – SUN 8.9. 12:00 – 21:00  
→ Atelierhaus Salzamt

**arebyte Gallery, London**

Seeing I, Mark Farid (UK)

For 24 hours a day, for 28 days, artist Mark Farid will wear a virtual reality headset, seeing and hearing what one person sees and hears for 28 days. With no pre-knowledge of, or existing relationship to the Other. At Ars Electronica he will be doing his final trial run in the build-up to the 28-day performance in 2020. At the residency at the Salzamt, we will see Farid wearing a VR headset for seven days. Finally, a public conversation between Farid and the project's clinical psychologist, Dr. Tamara Russell, will be held on Sunday evening of the Festival.

**Unleash – YAIR – Your Art Is  
Reality, Berlin**

THU 5.9. 13:00 – 17:30, 22:00 – 00:00  
FRI 6.9. 13:00 – 17:30, 19:00 – 00:00  
SAT 7.9. 13:00 – 17:30, 19:00 – 00:00  
SUN 8.9. 13:00 – 17:30, 19:00 – 00:00  
MON 9.9. 13:00 – 17:30  
→ St. Mary's Cathedral

As part of the Gallery Spaces, five video installations by internationally renowned artists will be shown in St. Mary's Cathedral. The works are asking the same question of human omnipotence. Here, the contemporary installations enter into dialogue with their sacred surroundings. Organized and presented by

YAIR, a Berlin-based platform dedicated to alternative exhibition formats and marketing strategies for digital artworks.

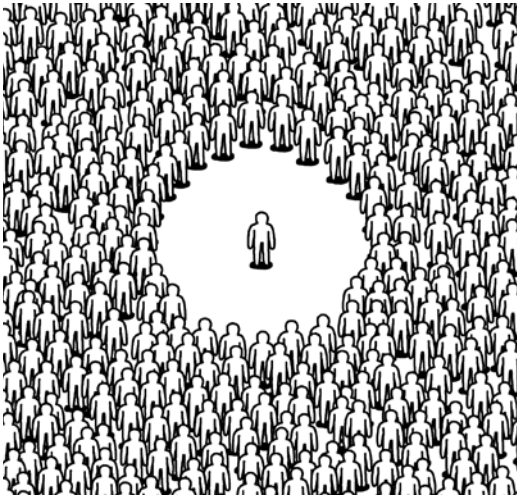
**bitTOWER**, Wu Juehui (CN)

**Rêverie Reset**, Yan Lei (CN)

**The Hudson**, Maria Marshall (UK)

**Estuary Poem for Wyndham Lewis**, Robert Montgomery (UK)

**Calle 22**, Julius von Bismarck (DE)



KIDS, Michael Frei (CH), Mario von Rickenbach (CH) / Playables

## Ars Electronica Animation Festival

*Ars Electronica (AT), FH OÖ Campus Hagenberg (AT)*

**THU 5.9. – MON 9.9.**

→ POSTCITY, Art Thinking House – Animation Festival

### Screenings

**THU 5.9.** 10:00 – 23:30

**FRI 6.9.** 10:00 – 23:30

**SAT 7.9.** 10:00 – 19:30

**SUN 8.9.** 10:00 – 19:30

**MON 9.9.** 10:00 – 18:00

→ Postcity, Art Thinking House – Animation Festival

**THU 5.9.** 16:30 – 17:00

**FRI 6.9.** 12:00 – 12:30

**SUN 8.9.** 16:30 – 17:00

**MON 9.9.** 15:30 – 16:00

→ Ars Electronica Center, Deep Space 8K

## Electronic Theatre

**SAT 7.9.** 20:00 – 22:00

→ Movimiento Sommerkino  
(Cinema on the roof top)

**SAT 7.9.** 22:00 – 24:00

→ Movimiento Movie 1

## Expanded Animation – Out of the Box

**FRI 6.9.** 12:00 – 17:45

**SAT 7.9.** 12:00 – 17:00

→ POSTCITY, Art Thinking Stage

For the first time since its inception, the Animation Festival will be situated in the POSTCITY Festival Area. The unique location of the “Art Thinking School” building provides a special atmosphere to enjoy the works. The seventeen programs of this year’s Ars Electronica Animation Festival are once again an international showcase of excellence in current digital filmmaking. In addition to the ten themed programs, other screenings will be shown: a Young Animations lineup, one Studio Feature: Platige Image, an Electronic Theatre screening, and the guest programs featuring works honored by the Japan Media Arts Festival, the ISCA (International Students Creative Award), and works selected by the Filmakademie’s Animationsinstitut, Digital Media, Hagenberg Campus program as well as Anifilm Třeboň. The Expanded Animation symposium explores current artistic and theoretical positions surrounding animation, focusing on this year’s Festival topic Out of the Box.

## CyberArts Exhibition 2019

**THU 5.9. – MON 9.9.** 10:00 – 19:30

**SAT 7.9.** 10:00 – 21:30

→ OÖ Kulturquartier

*The exhibition is open until 15.9.*

Experience digital arts! CyberArts presents the most outstanding entries from the Prix Ars Electronica, the international competition of computer art, at the OÖ Kulturquartier. The exhibition shows award winners and distinguished works from the categories Computer Animation, Digital Musics & Sound Art and this year, for the first time, “Artificial Intelligence & Life Art.” The intelligent and entertaining presentation provides an impressive summary of developments in digital art, the current discourse, and associated issues.

## Computer Animation

### GOLDEN NICA

**Manic VR**, Kalina Bertin, Sandra Rodriguez, Nicolas S. Roy, Fred Casia (CA)

### AWARD OF DISTINCTION

**Strings**, Ruini Shi (CN)

**Undershoot: sensitive data**, Cristiano, Cindy Coutant (FR)

### HONORARY MENTION

**Emergence**, Universal Everything (GB)

**KIDS**, Michael Frei, Mario von Rickenbach (CH) Playables

**Solar Walk**, Reka Bucsi (HU)

## Artificial Intelligence & Life Art

### GOLDEN NICA

**Labor**, Paul Vanouse (US)

### AWARD OF DISTINCTION

**Confronting Vegetal Otherness: Phytoteratology**, Špela Petrič (SI)

**VFRAME: Visual Forensics and Metadata Extraction**, Adam Harvey (US)

### HONORARY MENTION

**Carbon Black**, Anaïs Tondeur in collaboration with Rita van Dingenen and Jean-Philippe Putaud, JRC, European Commission (FR)

**Fossil Futures**, Nora Al-Badri, Jan Nikolai Nelles (DE)

**Human Study #4, La Classe**, Patrick Tresset (FR)

**[ir]reverent: Miracles on Demand**, Adam Brown (US)

**Mosaic Virus**, Anna Ridler (UK)

**One Tree ID – How to become a tree for another tree**, Agnes Meyer-Brandis (DE)

**Resurrecting the Sublime**, Christina Agapakis (US) of Ginkgo Bioworks, Alexandra Daisy Ginsberg (UK), and Sissel Tolaas (NO) with support from IFF Inc.

**The Normalizing Machine**, Dan Stavy, Eran Weissenstern, Mushon Zer-Aviv (IL)

## Digital Musics & Sound Art

### GOLDEN NICA

**TORSO #1**, Peter Kutin (AT)

### AWARD OF DISTINCTION

**Muted Situation #22: Muted Tchaikovsky's 5th**, Samson Young (HK)

**Voices from AI in Experimental Improvisation**, Tomomi Adachi (JP), Andreas Dzialocha (DE), Marcello Lussana (IT)

### HONORARY MENTION

**APPARATUM**, panGenerator (PL)

**MANTRAcKs and Sonic Fields: A VirtuAural Duology**

**untitled#352**, Francisco Lopez (ES)

**Polar Force**, Speak Percussion (AU) (Philip Samartzis, Eugene Ughetti)

**Sky Brought Down**, Asa Stjerna (SE)

**Smart.ing Bodies**, Evelina Rajca (PL)

**The SINE WAVE ORCHESTRA stay**, The SINE WAVE ORCHESTRA (JP) (Ken Furudate, Daisuke

Ishida, Kazuhiro Jo, Zuiki Noguchi)

**Wiki-Piano.Net**, Alexander Schubert (DE)

## GUEST PROJECTS

### Chilean Artists at the Ars Electronica Festival 2019

THU 5.9. – SUN 8.9. 10:00 – 19:30  
MON 9.9. 10:00 – 18:00  
→ POSTCITY

The program debuted in 2018 with a successful cooperation between the Ministerio de las Culturas, las Artes y el Patrimonio, the Ministerio de Relaciones Exteriores | Gobierno de Chile and Ars Electronica. The collaboration continued in 2019 with an open call asking for artists, scientists, designers, researchers, entrepreneurs and social activists from Chile or with a Chilean background to participate in this year's festival.

**Archivo Liberado**, Gonzalo Mezza (CL)

**KHIPU**, Constanza Piña (CL)

**Meditative Symbiosis**, Jean Danton Laffert (CL), Karin Astudillo (CL), Camilo Gouet (CL)

**The Life of Crystals**, Mónica Bate (CL)

**Vocals**, Carla Bolgeri (CL/IT), Francisco Marín (CL)

## Strange Temporalities

STOCHASTIC LABS (US)

THU 5.9. – SUN 8.9. 10:00 – 19:30  
MON 9.9. 10:00 – 18:00  
→ POSTCITY

Over the past year, San Francisco Bay Area-based Stochastic Labs brought together a unique group of artists, engineers, scientists, thought leaders and entrepreneurs. Drawing on the longtime culture of innovation, deep sustainability focus, and multi-generational commitment to independent thinking, these works ask the viewer to be present and future at once.

**ARTIVIVE @ STOCHASTIC**, *Artivive (AT)*

**Automation #1 and Automation #2**, *Alison Irvine (US), Andy Cavatorta (US)*

**CRISPR and the Art of Paper**, *Sheng-Ying Pao (TW)*

**Ganbreeder**, *Joel Simon (US)*

**Liminous**, *JD Beltran (US), Scott Minneman (US)*

**Organs Sound The Body: Artificial Flesh**, *Kal Spelletich (US)*

**Piles**, *Chris Kerich (US)*

**Press 1 to be Connected**, *Dorothy Santos (US)*

**Reciprocus**, *Steven Thompson (US)*

**Selections from the Human-Machine Collaboration Series**, *Alexander Reben (US)*

**Skycolor**, *Jonathan Foote (US)*

**Sociality**, *Paolo Cirio (IT/US)*

**Virtual Caring**, *Lauren McCarthy (US), David Leonard (US)*

## Device Art 2019

*PhD. Program in Empowerment Informatics, University of Tsukuba*

... **THU 5.9. – SUN 8.9.** 10:00 – 19:30  
 ... **MON 9.9.** 10:00 – 18:00  
 ... → POSTCITY

Device Art is a new form of art that brings out the essence of technology through new materials and mechatronic devices. This concept challenges the traditional paradigm of art by merging technology, art and design. Based on the achievements of EMP, the *Device Art 2019* in Ars Electronica will celebrate its 15th anniversary, showcasing eight Device Art works.

**Device Art Chronicle**, *Machiko Kusahara (JP)*

**Big Robot Mk.2**, *Hiroo Iwata (JP)*

**El-Astrocade**, *Yuta Kozaki (JP), Felix Dollack (DE), Takeshi Ozu (JP), Rina Katsube (JP)*

**The Society of Stools [16]**, *Takeshi Ozu (JP), Aki Yamada (JP)*

**Virus Buster Offline – The marvels of Code Violet**, *Glucic Collaborations (JP)*

**Zihotch**, *Maywa Denki (JP)*

**Solekit**, *Maywa Denki (JP)*

**Bunko Gakki**, *Maywa Denki (JP)*

## LightWing II

*Uwe Rieger (DE/NZ), Yinan Liu (NZ), arc/sec Lab (NZ)*

... **THU 5.9.** 10:00 – 21:00  
 ... **FRI 6.9. – SAT 7.9. & MON 9.9.** 10:00 – 18:00  
 ... **SUN 8.9.** 10:00 – 20:00  
 ... → LENTOS Art Museum Linz, Auditorium

*LightWing II* creates a mysterious sensation of tactile data. In this interactive installation, a kinetic construction is augmented with stereoscopic 3D projections and spatial sound. Flexible carbon fiber rods hold a large transparent membrane in tension. A light touch sets the delicate wing-like structure into a rotational oscillation and enables the visitor to navigate through holographic spaces and responsive narratives.

## hosted by Ars Electronica

*Kathrin Stumreich (AT)*

... **TUE 20.8. – WED 11.9.** 13.00 – 18.00  
 ... → Bildraum 07, Burggasse 7–9, 1070 Wien

In the scope of this year's Ars Electronica Festival 2019, Bildraum 07 in Vienna presents current works by Kathrin Stumreich. The artist gives insights into her sound research, in which she examines order and code, movement choreography and complex robotics, as well as coincidence and chaos as material properties. The multi-award winning flag installation "Sovereignty" and Stumreich's video-based work "Code Talk" illustrate the intrusive potential and ubiquity of technological dispositives and make encrypted information accessible with the "sound" of the latest technology.

A cooperation of Bildrecht and Ars Electronica Festival 2019

## Monophon yello)))

*Hörstadt – Anatol Bogendorfer (AT) / Peter Androsch (AT)*

→ Volksgarten Linz

The *Monophon yello)))* is the most recent work from a series of ear trumpets that the Linz collective Hörstadt has produced since its foundation 10 years ago. *Monophon yello)))* concentrates on a context that is as fundamental as it is essential for many Hörstadt projects: public space is always acoustic space.

# create your world

## u19 – create your world SCHEDULE 2019

More infos and project descriptions:

[ars.electronica.art/u19/de](http://ars.electronica.art/u19/de)

THU 5.9. – SUN 8.9. 10:00 – 19:30  
MON 9.9. 10:00 – 18:00

Free entrance!

OPEN LAB: No registration necessary!

## The future of communication

### Social Intelligence of the present

How can we improve our coexistence now and in the future? How can we structure our decisions? Which processes should be reconsidered? What's not ok with our communication culture?

This year create your world asks these questions to many different generations and presents a multitude of ideas and projects by regional and international artists.

Not only in concerning digital developments, but in general: What is the communication of the present and the future supposed to look like?



Jugend Hackt Zone, Jugend Hackt (AT)

## OPEN LABS

THU 5.9. – SUN 8.9. 10:00 – 19:30  
MON 9.9. 10:00 – 18:00

### FABLAB

Mira Alida Haberfellner (AT), Elisabeth Valarie Maurer (AT),  
Textiles Zentrum Haslach (AT), Ars Electronica (AT)

### GRAND GARAGE

Team Grand Garage (AT)

### HUMAN CYBORG

Borg Bad Leonfelden (AT), Elke Hackl (AT)

### SOCIAL INTELLIGENCE AGENCY (S.I.A.)

Landestheater Linz (AT), Ars Electronica

### ABC – DOJO

Upper Austria Teacher-Training College (AT)

### CODER DOJO

Coder Dojo Linz (AT)

### FUTURE ZONE

Otelo – Martin Hollinetz (AT), Flora Nimue Hollinetz (AT),  
Lea Felicita Haslmair (AT)

### INTERACTIVE COVER

Barbara Gregori, Claudio Reiter, Felix Strobl und Gregor  
Kosian (AT)

### E-DICE

Lukas Bittner (AT), Lorenzo Arturo (AT), Adam Musiejovsky  
(AT), Fabian Ortner (AT)

### IN REACTIO VERITAS

Felix Strobl (AT), Barbara Gregori (AT), Claudio Reiter (AT)

### BEGEGNUNG IM ÖFFENTLICHEN RAUM

Artur Scherthaner-Lourdesamy, Vincent Entekhabi (AT)

### ZAPZARAP

Tanja Neubäck (AT), Michael Friedl (AT), Marija Milenkovic  
(AT), Lina Dengg (AT)



**MUSIC RESEARCH LAB**

*mica – music austria (AT), FH St. Pölten (AT),  
Ars Electronica (AT)*

**FM4 SPIELEKAMMERL**

*ORF radio FM4 (AT)*

**CINEMA 4D –****JUGENDBEGEGNUNGSPROJEKT 2019**

*Young People from Europe meet at the  
Ars Electronica Festival*

sysTEM 2020 has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement no. 788317

**ABLETON x MI.MU GLOVES**

*ABLETON (DE)*

**LITERALLY OUT OF THE BOX – analogue playground**

*Spieleagentur whitecastle (AT)*

**BRAIN LAB**

*Adela Perte (AT)*

**STAHLSTADT**

*Neues Linzer Theater (AT)*

**ARTIFICIAL INTELLIGENCE LAB**

*Melina Undesser (AT), Sebastian Lindinger (AT), Software  
Architects (AT)*

ARTIFICIAL INTELLIGENCE LAB is part of the European ARTificial Intelligence Lab, which is co-funded by the Creative Europe Programme of the European Union.

**space EU Exhibition: Step into Space**

*space EU Consortium*

spaceEU has received funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation under grant agreement No. 821832

**IN\_VISIBLE ISLAND**

*Ruhiyati Idayu Abu Talib (MY), Predrag K. Nikolic (CN/RS),  
Mohd Shahrizal Sunar (MY)*

**WORDLAB**

*Ars Electronica (AT)*

**BE WIRED**

*Judith Auer, Claudia Cruceru, Raphaela Danner, Maria-Anna  
Eckerstorfer, Gerda Martinez Lopez, Adina Socoliuc (AT)*

**MOOD ZUR KOMMUNIKATION**

*Bettina Gangl (AT), Birgit Pölz (AT), Helmut Doblhofer (AT),  
TeilnehmerInnen Virtual Office FAB Linz (AT)*

**ONESHOTS**

*YOUKI (AT)*

**TAGTOOL PROJECTION MAPPING**

*OMAi (AT)*

**MATHRIX**

*Hakan Lidbo (SE)*

**WONDERFUL WORLD**

*Dominik Schön (DE)*

**SLIDE AGAIN AND AGAIN**

*Ars Electronica*



LEGO Feuer und Wasser, Thomas Speckhofer (AT)

**TRAX – INTUITIVE MUSIC MAKING**

*Michael Lachower (IL), Gal Levy (IL)*

**OPEN KHIPU**

*Constanza Piña (CL)*

**EXHIBITIONS**

THU 5.9. – SUN 8.9. 10:00 – 19:30  
MON 9.9. 10:00 – 18:00

**YOUNG PROFESSIONALS**

[Golden Nica](#)

[DSCHUNGEL](#)

*Alex Lazarov (AT)*

[Young Professionals Award of Distinction](#)

[Rake – minimize your Information](#)

*Tessa Aichelburg, Luis Hofmeister, Lukas Kaufmann, Paul  
Schreiber (alle AT)*

[Gift of Nature](#)

*Students from HLW für Kommunikations- und  
Mediendesign der Kreuzschwestern Linz (AT)*

[netidee SPECIAL PRIZE 2019](#)

[Tweakr.io – Drop your file, improve your work](#)

*Antonia Beck, Tobias Gruber, Clemens Makoschitz, Tobias  
Micko, Sebastian Schreibmaier (alle AT)*

[Young Professionals Honorary Mention](#)

[Augmented Reality Welding Assistant](#)

*Felix Nikolas Bauernfeind, Julian Josef Kienast (alle AT)*

[Blue Moon](#)

*Jaqueline Eder, Selina Maurovich, Kilian Mayer, Stephanie  
Stigler (alle AT)*

[ERROR\\_351](#)

*Katharina Maunz (AT)*

[Fremdkörper #3](#)

*Students of the visual arts program at BORG  
Mistelbach (AT)*

[JUSA – HTL. Ein 3D-Computerspiel](#)

*Sarah Reischenböck, Julia Schober (alle AT)*

### Kunst und Überleben

Zoe Borzi, Johannes Fischer, Nicolas Glockner-Lösch, Nikolaus Heckel, Jonathan Steininger, Raphael Wohlgemuth (alle AT)

### LEGO Feuer und Wasser

Thomas Speckhofer (AT)

### OpenDrone

Thomas Brych, Michael Franz Hitzker, Tim-Matthias Klecka, Markus Kurzmann (alle AT)

### Shape of you

Students from BORG Bad Leonfelden (AT)

### Surprise Me

Simon Mück (AT)

### Turenia

Fabian Farkas, Jan Hofbauer, Hannah Koch, Tristan Nitzsche, Florian Weihs (alle AT)

## YOUNG CREATIVES

u14 Prize

### Digitaler Mordversuch

Students from NMS Hittisau's CyberWerkstatt (AT)

u14 Award of Distinction

### Plottegoino

Benjamin Aster (AT)

u14 Award of Distinction

### Why war Rap

3a class from NMS Lieferin (all AT)

u14 Honorary Mention

### Über Nacht – Eine neue Macht

Film class of the SchülerInnenschule im WUK (AT)

u12 Prize

### Dungeon of Math

Simon Heppner (AT)

u12 Award of Distinction

### Nachhaltigkeit – Tagesablauf eines tierischen Vorbildes

Katharina Landl, Mona Rathenböck (alle AT)

u12 Award of Distinction

### Der Gobi kommt

Laurin Steinhuber, Amelie Steinhuber, Niklas Steinhuber (alle AT)

u10 Prize

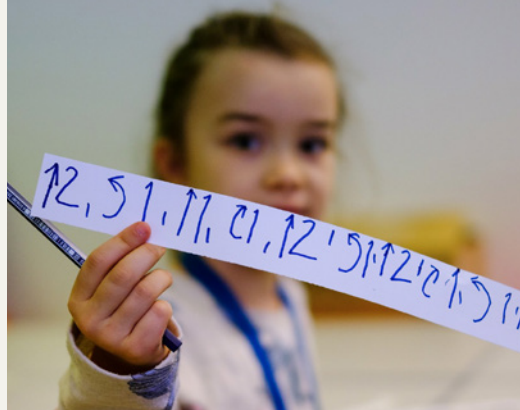
### get\_bullied!

Mina Sophie Hackl (AT)

u10 Award of Distinction

### ABC-Coding (Activity Based Coding)

Students of the "Grüne Familie" (Green family) elementary school class, Europaschule Linz (AT)



© Europaschule Linz

ABC-Coding (Activity Based Coding), SchülerInnen der Volksschule der Europaschule Linz aus der „Grünen Familie“ (AT)

### GRAFFITI

Walze (AT)

### COMMON SENSE

Kevin Strüber (DE)

### WER IST CIHAN?

Students of the 1DS of the Business Academy Donaustadt (AT), Birte Brudermann (AT)

### TOURISMUS VON MORGEN

Max Wolschlager (AT), OBERÖSTERREICH TOURISMUS (AT)

### OPEN CINEMA

Ars Electronica



ZAPZARAP, Tanja Neuback (AT), Michael Friedl (AT), Marija Milenkovic (AT), Lina Dengg (AT)

## Audio Design Goes Interactive

FH St. Pölten (AT)

THU 5.9. – SAT 7.9.

10:00 – 19:30

### .Confrontation

Christoph Grubits (AT)

### TTRPG Mood Assistant

Manuel Mader (AT)

### Sound Untouched

Magdalena Müller (AT)

### Violicious

Morris Marschik (AT)



MUSIC RESEARCH LAB

## EVENTS

**Bring your own box –  
Introduce your game prototypes**  
*Spieleagentur whitecastle (AT)*

**THU 5.9. – MON 9.9. 14:00**

→ POSTCITY, create your world,  
LITERALLY OUT OF THE BOX

**Award Ceremony | Prix Ars Electronica |  
u19 – create your world**

**THU 5.9. 10:30 – 14:00**

→ POSTCITY, Ground Floor, Spiral Falls

### FRIDAYS FOR FUTURE

**FRI 6.9. too late**

→ Ars Electronica Festival Linz

### space EU Activity: Space Café

**FRI 6.9. 16:00 – 17:30**

→ POSTCITY, create your world – Open Kitchen

spaceEU has received funding from the European Union's  
Horizon 2020 Framework Programme for Research and  
Innovation under grant agreement No. 821832

### GAMESOUND

*mica – music Austria*

**SAT 7.9.**

→ POSTCITY, create your world –  
Music Research Lab

**14:00 Wobblersound – Interview with David  
and Markus Zahradnicek**

**16:00 Wobblersound – Workshop with David  
and Markus Zahradnicek**

### FM4 EXTRALEBEN

*ORF radio FM4 (AT)*

**SAT 7.9. 15:00**

→ POSTCITY, Ground Floor, Spiral Falls

### MUSIKBUSINESS

*mica – music Austria*

**SUN 8.9.**

→ POSTCITY, create your world –  
Music Research Lab

**14:00 Musikbusiness-QUIZ for teenagers**

*Moderation: Christoph Gruber*

**16:00 Musikbusiness-QUIZ**

*Moderation: Austrofred*

**18:00 Interview with Lukas Hasitschka  
(Wanda)**

### space EU Activity: space4youth Blue Moon Special Blue Moon Screening and Presentation

**SO 9.9. 14:00**

→ POSTCITY, create your world – Open Cinema

spaceEU has received funding from the European Union's  
Horizon 2020 Framework Programme for Research and  
Innovation under grant agreement No. 821832

### Tagtool Deep Space

*OMAi (AT)*

**SUN 8.9. 19:00 – 20:00**

→ Ars Electronica Center, Deep Space 8K

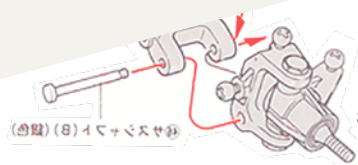
### Cinema 4D / Youth Exchange Project – Präsentation der Animationen

**MON 9.9. 15:00**

→ POSTCITY, create your world – Open Cinema



FM4 Spielekammerl / ORF radio FM4 (AT)



# WE GUIDE YOU

sponsored by **WKO**  
WIRTSCHAFTSKAMMER DER OBERÖSTERREICH  
Unternehmensberatung · Buchhaltung · IT

The WE GUIDE YOU program is a comprehensive program of various tours that bring visitors closer to the exhibitions and works at the Ars Electronica Festival 2019. Join us on daily "Spotlight Tours" through POSTCITY during the Ars Electronica Festival in German and English, discover the impressive "Human Limitations – Limited Humanity Tour," let your children explore the Festival in the "Kids' Tours," or join experts who will accompany you through the Ars Electronica Festival on a variety of "Expert Tours" themes. With the "Community Parcours," Ars Electronica also offers guided tours free of charge through POSTCITY for people with special needs and native speakers from different cultural backgrounds. Additionally, there are guided tours through the CyberArts Exhibition at the OÖ Kulturquartier and at the Ars Electronica Center.

For more information about the guided tours and registration please visit our website:  
<https://ars.electronica.art/outofthebox/weguideyou> The Community Parcours are free of charge, the registrations take place on our website.

The 2019 We Guide You program is made possible through the support from **WKOÖ–Economic Chamber of Upper Austria's specialist group in management consulting, bookkeeping and IT**. The 2019 Ars Electronica Festival is a meeting place and source of inspiration for business people in Upper Austria who have already acquired expertise in digitization or are interested in new developments in this field. The staff and members of the WKOÖ–Economic Chamber of Upper Austria's specialist group in management consulting, book keeping and IT are supporting the Festival and looking forward to the benefits its dynamic atmosphere and innovative ideas bring to the regional economy.

## Information and Registration

→ POSTCITY, WE GUIDE YOU Meeting Point

THU 5.9. – SUN 8.9. 10:00 – 19:30  
MON 9.9. 10:00 – 18:00

+43 699 1778 1616 (EN/DE)

<https://ars.electronica.art/outofthebox/weguideyou>

*Registration is required due to a limited number of tickets. (max. 15 persons)*

## POSTCITY SPOTLIGHT TOUR

Join us on daily spotlight tours through POSTCITY during the Ars Electronica Festival in German and English. Together, we will discuss current issues from the fields of art, technology and society. Using the works of many exciting artists, we approach the theme of the festival "Out of the Box – The Midlife Crisis of the Digital Revolution" from various perspectives. This popular spotlight tour offers a complete overview of the POSTCITY exhibition.

THU 5.9. 11:00, 17:30 (DE/EN)  
MON 9.9. 11:00 (DE/EN)  
FRI 6.9. – SUN 9.9. 11:00, 13:30, 17:30 (DE/EN)

Duration: 90 minutes

Ticket: € 9,- / € 7,- reduced / € 2,- Festival or day pass  
→ POSTCITY, WE GUIDE YOU Meeting Point

## POSTCITY – THEME EXHIBITION HUMAN LIMITATION – LIMITED HUMANITY TOUR

The tour "Human Limitations – Limited Humanity" focuses on the thematic exhibition of the Ars Electronica Festival 2019. The artworks and projects on display in the POSTCITY bunker address complex ethical questions relating to simulation and mutation processes, as well as the further development of human beings and the limitations on that development.

THU 5.9. – MON 9.9. 15:30 (DE/EN)

Duration: 90 minutes

Ticket: € 9,- / € 7,- reduced / € 2,- Festival or day pass  
→ POSTCITY, WE GUIDE YOU Meeting Point

## KIDS TOUR

The Kids' Tour takes children between the ages of 8 and 14 through the POSTCITY. Together we discover u19 – CREATE YOUR WORLD, the future festival of the next generation, and many other exciting places.

Daily 13:30 (DE)  
SAT 7.9. 15:30 (EN)

Duration: 90 minutes

Ticket: € 6,-

Registration is required due to a limited number of tickets. (max. 15 persons)

→ POSTCITY, Welcome Area



## EXPERTS TOUR

Every day, experts and artists offer guided tours. They provide an opportunity to take a new look at the festival theme “Out of the Box – The Midlife Crisis of the Digital Revolution” and current trends in art, technology and society as well as the location POSTCITY.

*The guided tours will take place in the POSTCITY, unless otherwise stated.*

### Radio Walk – Anton Lapov

*supported by the Ukrainian Institute*

Join Anton Lapov's radio walk to hear a deep dive into the socio-cultural landscape in which Ars Electronica has existed for the past 40 years. You can listen to soundscape narration about historical changes in technological art representation forms – from the heyday of the digital revolution to the post-digital crisis – through the lens of critical observation of the Linz cityscape. Anton Lapov connects his topic to Ars Electronica's activities in public spaces and the origins of radio signal projects around the Soundcloud.

*Anton Lapov (UA)*

⌚ **THU 5.9.** 11:00 (EN)

Ticket: kostenlos  
→ LENTOS Art Museum

### Biomedial Art: Microbioms, Plantamorphisations and Trans-species relationships

This expert tour guided by curator, media theoretician and Ars Electronica Jury member Jens Hauser will provide insights to understand the underlying philosophical and techno-scientific aspects of selected biology-based art works in the POSTCITY exhibition: these works in which bacteria, fungi, plants, bats or extremophile organisms become micro-performative agents often require background information beyond the observable phenomena.

*Jens Hauser (FR/DE/DK)*

⌚ **THU 5.9.** 12:00 (EN)

Ticket: € 16,- / € 12,- reduced  
→ POSTCITY WE GUIDE YOU, Meeting Point

### Artist Walk – QUIMERA ROSA (AR/ES/FR)

EMAP (European Media Art Platform) annually awards production grants to outstanding European media artists and supports research, production, presentation and distribution of media art in Europe and beyond. Aiming to enable European artists to collaborate on projects and create closer bonds between European media organizations. Join the Artist Walk with Quimera Rosa, who will introduce their work Trans\*Plant. Trans\*Plant is a transdisciplinary project that utilizes

## COMMUNITY PARCOURS

The Ars Electronica Festival is one of the world's largest media art festivals. With our Community Parours, we look forward to connecting local and international communities with one another. On September 7 and 8, the Festival invites you to free guided tours in Bulgarian, Greek, Austrian Sign Language, Persian, Russian, Spanish, Czech, Turkish, Plain Language as well as inclusive courses.

Guided tours free of charge | Kostenlose Führungen |  
Безплатни екскурзии с екскурзовод | Δωρεάν  
ξεναγήσεις | Бесплатные экскурсии | Visitas  
guiadas gratuitas | Prohlídky zdarma | Ücretsiz  
Turlar | راهنمایی رایگان

### SAT 7.9. and SUN 8.9.

11:00 Español | Plain Language  
12:00 Русский  
13:00 Inclusive Parours  
13:30 ελληνικά  
14:00 Türk  
15:00 راهنمایی رایگان  
16:00 Český

### SUN 8.9. 14:00

Austrian Sign Language (ÖGS)

### MON 9.9. 16:00

Austrian Sign Language (ÖGS)

Registration and Information | Anmeldung und  
Information | Анализ и информация | Εγγραφές  
και Πληροφορίες | Информация и регистрация |  
Información y registro | Informace a registrace |  
Bilgi ve Kayıt | اطلاعات و ثبت نام

[https://ars.electronica.art/outofthebox/  
communityparours](https://ars.electronica.art/outofthebox/communityparours)

Registration is necessary due to limited number of  
participants (max. 15 persons).  
+43 (0) 699 1778 1616 (EN/DE)  
weguideyou@ars.electronica.art



living systems and is based on self-experimentation: it is a process that involves a “human > plant” transition in various formats.

⋮ **THU 5.9.** 14:00 (EN)

Ticket: € 16,- / € 12,- reduced

→ POSTCITY, WE GUIDE YOU Meeting Point

EMAP is co-funded by the Creative Europe Programme of the European Union.

### **Artist Walk – Saša Spačal – How Will We Breathe?**

Saša Spačal and Mirjan Švagelj will present the work Earthlink, performing biogeochemical feedback loops catalyzed by human breath and microbial metabolism. The project aims to serve as an entrance point to the post-anthropocentric constellation of environmental relations by asking: What happens when ecological connections become technologically mediated? Who or what will dispense the doses? What will the doses contain? Who will survive?

*Saša Spačal (SI), Mirjan Švagelj, PhD (SI)*

⋮ **THU 5.9.** 14:00 (EN)

Ticket: € 16,- / € 12,- reduced

→ POSTCITY, WE GUIDE YOU Meeting Point

### **Creating the Future – A Brief History of Ars Electronica 1979 – 2019**

For 40 years, Ars Electronica has accompanied the Digital Revolution. 40 years of fundamental changes and fascinating developments, but also of new problems that clearly show us that we can no longer leave the shaping of the future to the technology groups alone. The POSTCITY Expert Tour with Andreas J. Hirsch takes you through 40 years of Ars Electronica and will illustrate aspects from his new book "Creating the Future".

*Andreas J. Hirsch (AT)*

⋮ **THU 5.9.** 15:30 (EN)

Ticket: € 16,- / € 12,- reduced

→ POSTCITY, WE GUIDE YOU Meeting Point

### **Ars Electronica Gallery Spaces Tour**

This year, the Art Market Initiative Tours once again offer the opportunity to become immersed in the world of the New Media Art Market. The first tour, with an artistic orientation, tries to capture the abstract and poetic side of the Gallery Spaces. Christl Baur, curator of Gallery Spaces, discusses the artistic concepts as well as media art historical backgrounds of the exhibited works. The guided tour will examine and explain the creative interrelationships not only in discussions with the experts, but also together with all participants.

*Christl Baur (DE)*



© tom mesic

⋮ **THU 5.9.** 16:00 (EN)

Ticket: € 16,- / € 12,- reduced

→ POSTCITY, WE GUIDE YOU Meeting Point

### **Artist Walk – Andy Grazie**

Join the Artist Walk with Andy Gracie to learn about his ongoing artistic research and experiments, his explorations into hermetic systems, hybrid ecosystems, and the employment of technology as a mediator and provocateur of organic entities and processes. As the Deep Data series examines the notion of boundaries, it proposes a cultural and critical examination of our ideas of space and our quest to find other forms, habitats and strategies for life.

*Andy Grazie (UK)*

⋮ **FRI 6.9.** 11:00 (EN)

Ticket: € 16,- / € 12,- reduced

→ POSTCITY, WE GUIDE YOU Meeting Point

### **ARS and Mariendom**

The expert tour with the project manager Tilman Hatje shows you the works of art in the Mariendom Linz as well as in the Salzamt. Berlin gallery YAIR is exhibiting five video installations by internationally renowned artists in the Mariendom, who enter into dialogue with the sacred environment. The gallery arebyte from London presents the virtual reality performance 'Seeing I' by Mark Farid at the Salzamt.

*Tilman Hatje (DE)*

⋮ **FRI 6.9.** 13:00, duration 120 min (EN)

Ticket: free of charge

→ St. Mary's Cathedral, Herrenstraße 36, 4020 Linz



### Human Limitations – Limited Humanity

The Expert Tour shows works that deal with the topic of human transformation. We examine works of art that explore processes of extension, simulation and mutation, as well as the further development of the human being. The works of art and projects shown at POSTCITY address complex ethical questions about developments in art, science and technology. Participate in Christl Baur's expert tour to discover art projects that grapple with these limits of humanity.

*Christl Baur (DE)*

⋮ **FRI 6.9.** 13:00 (EN)

Ticket: € 16,- / € 12,- reduced  
→ POSTCITY, WE GUIDE YOU Meeting Point

### Artist Walk – Marta de Menezes & Luís Graça

Artist Marta de Menezes and scientist Luís Graça will take a critical look at the intersection of art and science with an emphasis on bioart. While biotechnology is acquiring an increasing impact in the society, artworks started to incorporate, literally or conceptually, biology. This type of artworks offer an opportunity to appraise the promise and the risks posed by modern biotechnology.

*Marta de Menezes (PT), Luís Graça (PT)*

⋮ **SAT 7.9.** 11:00 (EN)

Ticket: € 16,- / € 12,- reduced  
→ POSTCITY, WE GUIDE YOU Meeting Point

### The shape of Technology to come – Campus Exhibition

An Expert tour through a collection of selected works from the Universities participating in Campus, guided by the coordinator of the Campus Exhibition, Violeta Gil Martínez. Students all over the world reflect upon similar questions when they look at the current situation of the Digital Revolution: Where are the boundaries between human and machine, digital and real, fact and fiction, technology and nature? And ultimately, between the past, present and future of our world?

*Violeta Gil Martínez (ES)*

⋮ **SAT 8.9.** 14:00 (ES)  
⋮ **SUN 9.9.** 14:00 (EN)

Ticket: € 16,- / € 12,- reduced  
→ POSTCITY, WE GUIDE YOU Meeting Point

### Space Art at Ars Electronica

We will explore the space-related contributions at this year's exhibition. The starting point is the youth exhibition Step Into Space, which is part of the spaceEU project, an exciting public relations and education initiative designed to stimulate young people's interest

in STEAM (Science, Technology, Engineering, Arts and Math). We will continue to find out how art can foster conversations about space exploration and its relevance to society.

*Laura Welzenbach (AT)*

⋮ **SAT 7.9.** 15:00 (DE/EN)

Ticket: € 16,- / € 12,- reduced  
→ POSTCITY, WE GUIDE YOU Meeting Point

spaceEU has received funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation under grant agreement No. 821832

### Living inside Schrödinger's Box – European ARTificial Intelligence Lab AI and Life Science Aspects of Ars Electronica Festival 2019

The scientist Matthias Hörtenhuber focuses on AI and life science in his tour. He discusses the applications of machine learning and the associated algorithms. Matthias Hörtenhuber presents the STARTS Prize projects as well as those from the thematic areas AI x Music and The European Platform for Digital Humanism.

*Matthias Hörtenhuber (AT)*

⋮ **SAT 7.9.** 15:30 (EN)  
⋮ **SUN 8.9.** 15:30 (EN)

Ticket: € 16,- / € 12,- reduced  
→ POSTCITY, WE GUIDE YOU Meeting Point

The European ARTificial Intelligence Lab is co-funded by the Creative Europe Programme of the European Union.

### Art Market Initiative Tour 2019

This year, the Art Market Initiative Tours once again offer the opportunity to become immersed in the world of the New Media Art Market. The second tour looks at the Gallery Spaces exhibition from the art market point of view. Christina Steinbrecher-Pfandt, an art world professional with over a decade of experience in the art industry, co-founder of blockchain.art, reflects on how well the art market adapts to the growing presence of digital artworks and new forms of engagement. The guided tour raises the questions of how collectors and the public perceive the new art forms and what is needed from the market and its participants.

*Christina Steinbrecher-Pfandt (DE/US)*

⋮ **SAT 7.9.** 16:30 (EN)

Ticket: € 16,- / € 12,- reduced  
→ POSTCITY, WE GUIDE YOU Meeting Point



### The power places of our monastery

The tour gives a glimpse behind the walls of the monastery and its hidden “power places.” Each of the many rooms of the monastery has its own special significance in the life of the order – Abbot General Johann Holzinger shows the oratory and the crypt.

*General Johann Holzinger shows the oratory and the crypt.*

⌚ **SAT 7.9.** 16:30 (DE)

→ **St. Florian Monastery, Novizengarten**

*Registration is necessary due to limited number of participants (max. 30 persons).*

### Guided tour to and into the Bruckner Organ – intelligence in design and technology, aesthetics and play

Hearing the great organ of the basilica has always been a highlight for many visitors to the monastery. Anton Bruckner also received a lot of inspiration for his work here. Take part in the unique guided tour with organist and cantor Klaus Sonnleitner.

*Collegiate organist and cantor MMag. Klaus Sonnleitner CanReg (AT)*

⌚ **SAT 7.9.** 18:00 (DE)

→ **St. Florian Monastery, Infodesk**

*Registration is necessary due to limited number of participants (max. 30 persons).*

### The wedding between virtue and knowledge

The “virtual” ceiling fresco, which shows us the virtual, or the virtues, wants to show us a way of dealing with knowledge in a “virtuous” and useful way. The colorful and lively picture program reminds us that “education without education leads to knowledge without conscience.” Does the balanced coexistence of these two human possibilities remain only a “virtual reality” or do they have the chance to become a reality that serves human beings? In this guided tour, curator Harald R. Ehrl shows the library and its colorful baroque “sky.”

*Curator of Monastery St. Florian, Harald R. Ehrl (AT)*

⌚ **SAT 7.9.** 18:00 (DE)

→ **St. Florian Monastery, Adlerbrunnen**

*Registration is necessary due to limited number of participants (max. 30 persons).*

### Interface Cultures Expert Tour

Students from Interface Cultures at University of Art and Design Linz will take you through their exhibition. They present their projects, explain how they came into being and talk about the background of the works. They will focus on the role of technology and art in their works. Everybody is invited to join and raise questions about their art!

*Students of the Department of Interface Cultures*

⌚ **SUN 9.9.** 13:00 (EN)

Ticket: free of charge

Registration is necessary due to limited number of participants (max. 15 persons).

→ POSTCITY, WE GUIDE YOU Meeting Point

### HybridNature

Artificial Intelligence is inconceivable without “Natural Intelligence”! Are we humans the sole owners of intelligence? The Expert Tour “HybridNature” explores this exciting question: Where are the limits of our knowledge? Are lichens plants or fungi? The focus is on the plants, the actual “rulers” of this world.

*Dr. Friedrich Schwarz (AT), Botanical Garden Linz, Biological Station*

⌚ **SUN 8.9.** 15:00 (DE)

Ticket: € 16,- / € 12,- reduced

→ POSTCITY, WE GUIDE YOU Meeting Point

### Music Monday

The Sound Art Course “Music Monday” is a longstanding Ars Electronica tradition. The tour is a listening journey through the plurality of relationships between music / sound art and the media arts. Theoretical reflection and discussion with the artists, physical experiences, immersing oneself in the mediality of sound: this is what Music Monday stands for, because it enables intensive and guided encounters with sound worlds, but also with the medial worlds that are formed after listening – this year's focus “AI x Music” shows how music and media art cross-pollinate in an “auditory culture.”

*Werner Jauk (AT), Tilman Hatje (DE)*

⌚ **MON 9.9.** 10:00 Uhr (EN)

Ticket: free of charge

→ Ars Electronica Center, Ars-Electronica-Straße 1, 4020 Linz

## Shared Habitats – Bauhaus-Universität Weimar@aecampus

The guided curators tour offers the unique opportunity to learn more about the background of the Shared Habitats exhibition, as well as artworks and artistic practices emerging from the Bauhaus-University's Faculty of Art and Design. The artists will also be present to discuss with the public and share insights about their artistic research.

*Ursula Damm (DE), Mindaugas Gapševičius (LT/DE)*

**FRI 6.9.** 12:00 (DE/EN)  
**SUN 8.9.** 14:00 (DE/EN)

Ticket: free of charge

→ University of Art and Design Linz, Main Square 6,  
4020 Linz

## HIGHLIGHT TOUR @ ARS ELECTRONICA CENTER

Since May 2019, everything at the Ars Electronica Center is new! The museum is no longer just a telescope that opens up a glimpse into the future, but also a compass and companion through the man-made systems of the 21st century. The focus is on the fast-paced and difficult to understand developments of the global networks we have created and their connection to technological progress, which shapes our everyday lives on both an individual and a global level. Discover the current projects and themes of the new exhibitions during a Highlight Tour. The focus is on artificial intelligence. It is about social and ethical debates, about new possibilities, and above all, about the effects on us as individuals. Join us on an exciting journey through the museum. You will be guided by one of our Infotrainers, who will accompany you through the Ars Electronica Center and discuss exciting topics with you. Our Highlight Tours do not follow a predetermined path, which is why one tour never resembles another. Afterwards, we recommend a visit to our unique venue Deep Space 8K

**Highlight Tour**  
**Daily** 11:15, 12:15, 13:15, 14:15, 15:15,  
16:15, 17:15 and 18:15 (DE)  
**Daily** 11:15, 13:15, 15:15 and 17:15 (EN)  
**Family Tour**  
**SAT + SO** 11:30 and 14:30 (DE)

→ Ars Electronica Center

Guided tour surcharge: € 3,50

Entrance: € 9,50 (€ 7,50 reduced) / free of charge for festival pass or day pass owners

Guided tour surcharge: € 3,50 (These tickets are only available at Ars Electronica Center)

## CyberArts 2019 Tour

Join the tour through the Cyberarts exhibition in the Ursulinenhof in OÖ Kulturquartier that showcases works singled out for recognition by the Prix Ars Electronica. In 2019, the CyberArts Exhibition includes the following categories: Computer Animation, Digital Musics & Sound Art and the new category Artificial Intelligence & Life Art.

**FRI 6.9. – MON 9.9.** 13:30, 17:30 (DE/EN)

→ OK, OÖ Kulturquartier

Admission: € 10,- / 8,50 reduced / free entry with Festival or day pass (incl. Sinesrausch) Guided tour ticket: € 5,- (tickets only available in the Upper Austrian Cultural Quarter), with Festival pass € 3,-



© Ars Electronica / Robert Bauerhansl

## Prix Ars Electronica: Life's intelligence, beyond human cognition

Prix Ars Electronica's new category 'Artificial Intelligence & Life Art' sparks discussions about the links between the largely ambiguous notions of 'intelligence' and 'aliveness.' Jury member, curator and media theoretician Jens Hauser will reveal criteria of the jury process, present selected positions out of the 15 awarded art works.

*Jens Hauser (DE/FR/DK)*

**FRI 6.9.** 15:30 (EN)

Ticket: free of charge for Festival pass or day pass owners

→ OK, OÖ Kulturquartier, OK-Platz 1, 4020 Linz

Free entry to the general exhibition areas on the 1st floor of POSTCITY and to the create your world Festival.

REGULAR  
PRICE

\*DISCOUNT

## FESTIVALPASS

The FESTIVALPASS is valid for the entire period of the festival and entitles the holder to free admission to all exhibitions, conferences, symposia, performances, open labs, evening events, concerts as well as to Sinnesrausch in the OÖ Kulturquartier. For some events access is restricted. If you want to go to the Big Concert Night, you have to get a reservation voucher at the POSTCITY INFO & TICKET Desk (first come – first served).

€ 147,-

€ 99,- / € 18,-\*\*

## ONE-DAY-PASS

The ONE-DAY-PASS is valid for the entire period of the festival and entitles the holder to free admission to all exhibitions, conferences, symposia, performances, open labs, evening events, concerts as well as to Sinnesrausch in the OÖ Kulturquartier. For some events access is restricted. If you want to go to the Big Concert Night, you have to get a reservation voucher at the POSTCITY INFO & TICKET Desk (first come – first served).

€ 31,-  
THU/MON

€ 20,-  
THU/MON

€ 52,-  
FRI/SAT/  
SUN

€ 36,-  
FRI/SAT/  
SUN

## POSTCITY Light Ticket

Access to all exhibition areas of the POSTCITY, in particular to the roof top, ground floor and basement. Conferences, concerts and evening events are not included.

€ 9,-

€ 7,-

## Conference Tickets

Opening Symposium: History Day and Summit » THU 5.9. 11:00 – 18:00

€ 24,-

€ 19,-

Theme Conference I: The Midlife Crisis of the Digital Revolution » FRI 6.9. 11:00 – 19:30

€ 24,-

€ 19,-

Prix Forum » SAT 7.9. 11:00 – 14:00

€ 24,-

€ 19,-

Theme Conference II: European Forum for Digital Humanism » SUN 8.9. 10:00 – 15:00

€ 24,-

€ 19,-

## Event Tickets

Big Concert Night

» FRI 6. 9. Doors open 19:30, Start: 20:00

*ATTENTION: No late admittance!*

€ 49,-

€ 29,-

Ars Electronica Nightline » FRI 6.9. 22:00

€ 12,-

€ 7,-

Pianographique – Piano Music meets Digital Images

» MON 9. 9. Doors open 19:00, Start: 19:30

*ATTENTION: No late admittance!*

€ 25,-

€ 15,-

## AixMusic Festival St. Florian

AixMusic St. Florian – ONE-DAY-PASS (inkl. Concert) » SAT 7.9. 14:00

€ 15,-

€ 8,-

AixMusic St. Florian – HALF-DAY-PASS » SAT 7.9. 14:00

€ 9,-

€ 7,-

AixMusic St. Florian – Concert » SAT 7.9. 20:00

€ 10,-

€ 5,-

A fleet of busses will provide transfer directly from POSTCITY to the monastery of St. Florian: permanent between 13:00 – 23:00 (approx. every 15 min.). Ticket prices include shuttle transfer.

## WE GUIDE YOU

WE GUIDE YOU – POSTCITY Spotlight Tour

€ 9,-

€ 7,- / € 2,-\*\*\*

WE GUIDE YOU – POSTCITY Human Limitations – Limited Humanity Tour

€ 9,-

€ 7,- / € 2,-\*\*\*

WE GUIDE YOU – POSTCITY Experts Tour

€ 16,-

€ 12,-

WE GUIDE YOU – POSTCITY Kids Tour

€ 6,-

€ 3,-\*\*\*\*

Community Parcours

frei

\*Discounts available for youngsters attending school, apprentices, college students (under age 26), children and teenagers under the age of 19 (born after September 2000), seniors (age 65 and over), Austrian men performing mandatory military service or alternative civil service, people with handicaps, members/holders of Aktivpass Linz, European Youth Card, LINZ KULTURCARD 365, OÖ Familienkarte (parents

or grandparents accompanied by at least one registered child) and OÖNcard, members of Alumniverein Forum-Kunstuniversität Linz, OÖ Presseclub, Ö1 Club and Die Presse Club.

\*\*Discounts for children and teenagers under the age of 19.

\*\*\*Discounts for holders of a FESTIVALPASS or ONE-DAY-PASS.

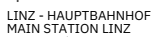
\*\*\*\*Discounts for holders of a 4YouCard.

Free entry for children under the age of 6,

holders of Kulturpass "Hunger auf Kunst und Kultur" (1 ticket per person) and for the accompanying person of people with assistance needs.

### Ticketsales at POSTCITY:

MON 2.9. – WED 4.9. 13:00 – 20:00  
 THU 5.9. – SUN 8.9. 10:00 – 19:30  
 MON 9.9. 10:00 – 18:00



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## ROOF TOP EXHIBITIONS

**Entrance only with valid Festival-Pass /  
One-Day-Pass or Ticket**

**FIRST FLOOR**  
EXHIBITIONS / CONFERENCES /  
WORKSHOPS

- European Artificial Intelligence Lab
- STARTS
- AIxMUSIC
- ART & SCIENCE
- HACKATHON SPACE
- AIxMUSIC WORKSHOP SPACE
- AIxMUSIC STAGE

- ### • NEXT TOOLS STAGE

INFO, TICKETS, PRESS

## FOOD CORNER

**Free entry** to this level

### Barrier free

of further use

**ZWISCHENGESCHOSS**  
EXHIBITIONS

**Entrance only with valid Festival-Pass /  
One-Day-Pass or Ticket**

**GROUND FLOOR**  
EXHIBITIONS / CONCERTS /  
PERFORMANCES

- **Ars Special (THU)**
- **Big Concert Night (FRI)**
- **Nightline (FRI)**
- **Piano Music meets Digital Images (MON)**

- 0**

● **Open Futurelab**  
Entrance only with valid Festival-Pass /  
One-Day-Pass or Ticket

### One Day, Pass or Menor

**ART THINKING HOUSE**  
CONFERENCES, WORKSHOPS,  
PERFORMANCES, SCREENINGS

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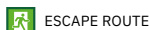
- TABLE 1. *Continued*

**BUNKER**  
EXHIBITIONS

- **HUMAN LIMITATIONS – LIMITED HUMANITY**

- Gallery Spaces
- Gallery Spaces Stage

- Abstract**





# FESTIVAL LOCATION MAP

-  **INFODESK**
-  **TICKETING**
-  **PRESS CENTER**
-  **WALK TO POSTCITY**

**B SHUTTLE TRANSFER DIRECTLY TO ST. FLORIAN MONASTERY**  
(on Saturday 7.9., permanent between 13:00 – 22:30)

**S PÖSTLINGBERG TRAM 50**  
(Please note: you need a separate ticket to the Pöstlingberg Tram)

**S TRAMWAY LINES 1,2,3,4 LINZ AG**  
(A purchased Festival Pass entitles the holder to ride Lines 1, 2, 3, & 4 free of charge\*\* from September 5-9, 2019)

\*\* Our sincere thanks to LINZ AG!

This year's Festival Saturday has a very special attraction in store: an excursion to **St. Florian Monastery**. This is the undisputed hot spot of the "AI x Music Festival": whether in the Marmorsaal, church, crypt or undercroft – the impressive facilities of this spiritual center provide a perfect setting for reflecting on the future role of intelligent machines and how we understand ourselves as humans.

← **1 St. St. Florian**



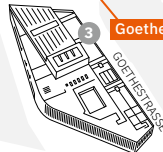
**WALDEGGSTRASSE**



**Welcome Area**

**Hauptbahnhof/Main Station**

**KÄRNTNERSTRASSE**



**Goethekreuzung**

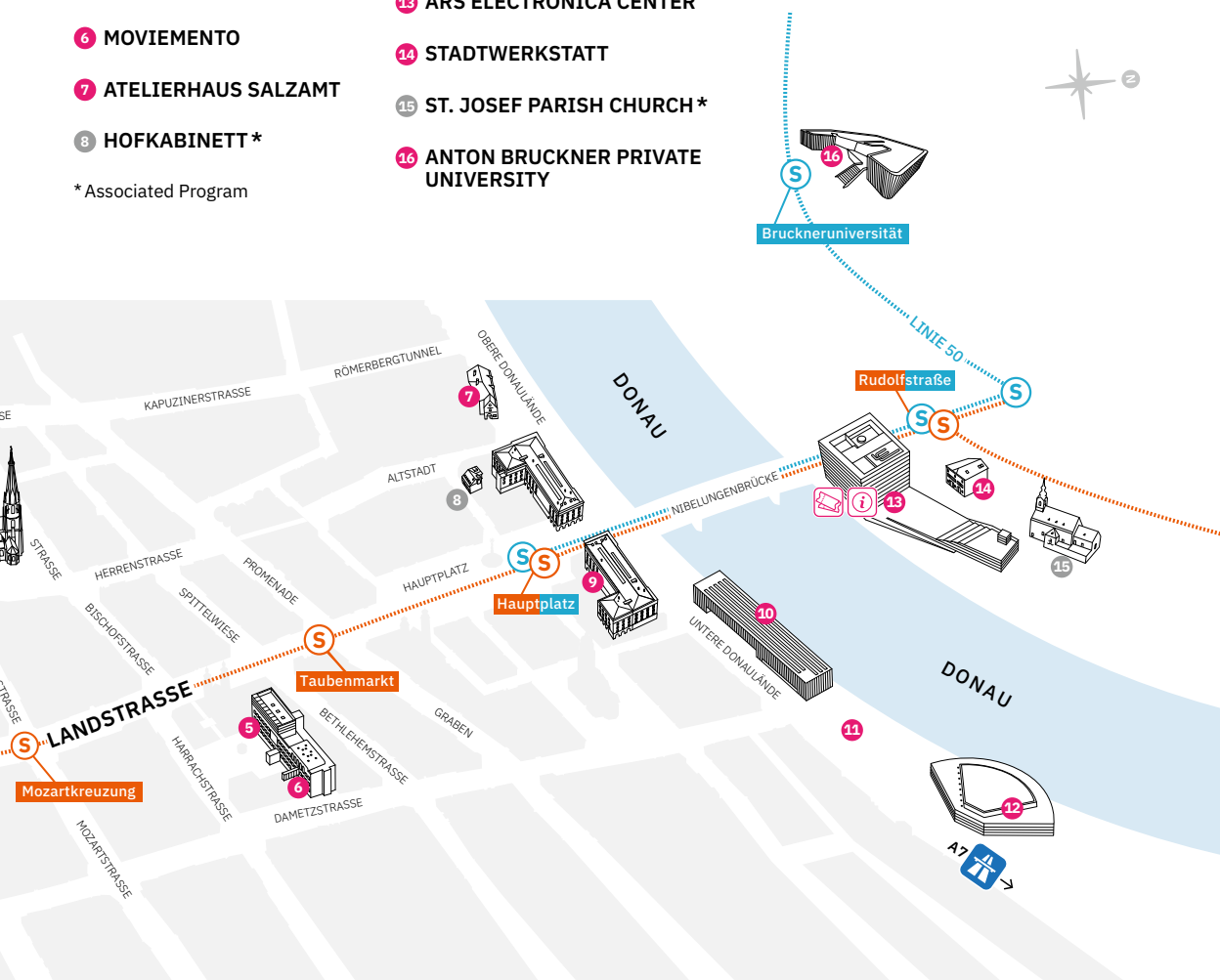
**Bürgerstraße**

The **Info** and **Artist Desk**, the **Ticketing Counter**, the **Press Desk** and the **WE GUIDE YOU Desk** of the Ars Electronica 2019 are located in the POSTCITY. Reserved or prepaid tickets can be picked up here.



- 1 ST. FLORIAN MONASTERY
- 2 POSTCITY
- 3 MUSIKTHEATER LINZ \*
- 4 ST. MARY'S CATHEDRAL
- 5 OÖ KULTURQUARTIER
- 6 MOVIEMENTO
- 7 ATELIERHAUS SALZAMT
- 8 HOFKABINETT \*
- 9 UNIVERSITY OF ART AND DESIGN LINZ
- 10 LENTOS ART MUSEUM
- 11 DONAUPARK
- 12 BRUCKNERHAUS
- 13 ARS ELECTRONICA CENTER
- 14 STADTWERKSTATT
- 15 ST. JOSEF PARISH CHURCH \*
- 16 ANTON BRUCKNER PRIVATE UNIVERSITY

\* Associated Program



## OPENING HOURS

### POSTCITY

THU 5.9. – SUN 8.9.	10:00 – 19:30
MON 9.9.	10:00 – 18:00

Parts of the POSTCITY exhibitions are only open until 18.30 on Thursday and Friday.

Parts of the POSTCITY are also open in the evening: Train Hall, Art Thinking House & Courtyard on Do 5.9. from 19:00 as part of the Ars Electronica Special, Train Hall, Courtyard, Art Thinking House & Salon Stage on Fr 6.9. from 19:30 as part of the Big Concert Night and Nightline as well as Train Hall on Mo 9.9. from 19:00 as part of the "Piano Music meets Digital Image" Concert.

The **Info and Accreditation Desk**, the **Ticket Counter**, the **Press Office** and the **We Guide You meeting point** at Ars Electronica 2019 are located in POSTCITY.

### Ars Electronica Center

THU 5. – SAT 7.9.	10:00 – 20:00
SUN 8.9.	10:00 – 24:00
MON 9.9.	10:00 – 18:00

### OÖ Kulturquartier

THU 5. – MON 9.9.	10:00 – 19:30
SAT 7.9.	10:00 – 21:30

The exhibition CyberArts will be open until September 15

### University of Art and Design Linz

THU 5., FRI 6., SUN 8.9.	11:00 – 21:00
SAT 7., MON 9.9.	11:00 – 19:00

### LENTOS Art Museum

THU 5.9.	10:00 – 21:00
SUN 8.9.	10:00 – 19:00
FRI 6., SAT 7., MON 9.9.	10:00 – 18:00

### St. Mary's Cathedral

THU 5.9.	13:00 – 17:30, 22:00 – 00:00
FRI 6.9.	13:00 – 17:30, 19:00 – 00:00
SAT 7.9.	13:00 – 17:30, 19:00 – 00:00
SUN 8.9.	13:00 – 17:30, 19:00 – 00:00
MON 9.9.	13:00 – 17:30

### Atelierhaus Salzamt

THU 5. – SUN 8.9.	12:00 – 21:00
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### St. Florian Monastery

SAT 7.9.	13:00 – 22:00
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Beginning at 13:00 shuttle busses run every 15 min. for holders of an event ticket or FESTIVAL/DAY pass regularly between the POSTCITY and the monastery of St. Florian.

## ASSOCIATED LOCATIONS:

### Musiktheater Linz

THU 5. – SUN 8.9.	11:00 – 18:00
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### Rotax MAXDome Linz

THU 5., MON 9.9.	16:00 – 22:00
FRI 6., SAT 7., SUN 8.9.	12:00 – 22:00

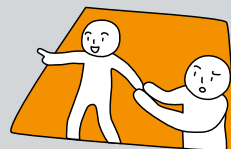


Illustration by Emiko Ogawa

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