Ars Electronica Center

Deep Space LIVE: Cinematic Rendering

THU 22.10.2020 / 7 p.m. – 8 p.m.

(Linz, 19.10.2020) Photorealistic representations of the human anatomy, bones, vessels or tendons that can be shown or hidden by a simple click: Cinematic Rendering enables breathtaking insights into the inside of the human body. Thursday evening, 22.10.2020, Prim. Prof. Dr. Franz Fellner (Head of the Central Radiology Institute at Kepler University Hospital) and Dr. Klaus Engel (Siemens Healthineers) will present Cinematic Rendering, a new fascinating way of teaching and learning anatomy. Start is at 7 p.m. Since the visit of Deep Space 8K is currently only possible in reduced capacity, please make a reservation at 0732.7272.0 or center@ars.electronica.art. The talk will also be broadcast online as part of Ars Electronica Home Delivery.

Franz Fellner

Dr. Franz Fellner is director of the Institute of Radiology at Kepler University Clinic. For over 20 years, his work has focused on human anatomy, how the body functions, and the wide-ranging application possibilities of imaging procedures. He has given speeches worldwide and organized continuing professional education events on these topics since the 1990s.

Klaus Engel

Klaus Engel hold a degree in information technology and a doctorate in natural sciences. He has worked for Siemens Healthinees in a variety of central research units. In2014, he was appointed Principal Key Expert for Visualization in the Strategy and Innovation department. Key areas of Engel’s work include optimizing the images’ visual impact and imgrating the technology to mobile platforms.

Cinematic Rendering

Images taken inside the human body enable us to better understand human anatomy, facilitate medical teaching as well as the planning of surgical procedures, and also make for better doctor-patient communication. These images are produced by techniques such as computed tomography (CT) and magnetic resonance imaging (MRI). Cinematic Rendering software developed by Siemens Healthineers is based on techniques used in the animated film industry; thus, its aim is to generate, on the basis of data delivered by CT and MRI scans, depictions that are as photorealistic as a Hollywood blockbuster! And that explains the reference to the movies in its name. In 2017, Cinematic Rendering was nominated for the German Future Prize.

Deep Space LIVE

High-resolution images in 16 by 9 meter format combined with expert commentary, entertaining double conferences and musical improvisation. Whether it's art-historical

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tracing, space flight, a voyage of discovery into the nanoworld or a LIVE concert - Deep Space LIVE stands for enlightening entertainment amidst impressive visual worlds. Admission costs €3. With a valid museum ticket, the visit is free of charge.

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Zentrale Radiologie am Kepler Universitätsklinikum:
https://www.kepleruniklinikum.at/versorgung/institute/zentrales-radiologie-institut/
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