

# stereopsia

## ACADEMIC & RESEARCH TRACK

Tuesday, 10th December 2024, 9:30 – 12:30

### Call for Presentations (CfP)

In the 2024 Academic & Research Track of Stereopsia – 16<sup>th</sup> edition, we aim to bring academia together with professionals from creative media and industry and offer XR professionals easier access to recent advances in applied research.

Hence, we ask the members of the interactive and immersive technologies community who are active in research & development to contribute to this conference. The call asks for presentations instead of scientific papers, which demonstrate recent advances in applied research and contributions to the discussion about the ethical, legal, interoperability and inclusion aspects. The conference is organised a single track:

- Capture and creation of audio-visual immersive content
- Novel 3D rendering techniques for ultra-realistic content (including holography) and/or real-time rendering
- Advances in interactive sensors and rendering devices for virtual reality (VR), augmented reality (AR), mixed reality (MR) and extended reality (XR).
- Advances in novel input sensor systems for XR (haptics, tracking, biometrics etc)
- Advances in spatial computing
- Advances in interoperability for interactive technologies
- User experience considerations in design of XR (Sensory/Perceptual/Emotion sciences)
- Social aspects of VR (Avatars, embodiment, etc)
- Contributions to ethical, legal and inclusion aspects of XR

Product presentations are excluded.

### Conditions and deadlines

We ask for a pdf-document, which contains the following information:

- title of the presentation
- author names and affiliation
- a 500 word abstract addressing the scientific aim or technical approach, the methods, results and conclusion
- two (2) illustrations or figures describing the approach and the content of the talk
- a statement about the novelty of the submission

All the submitted proposals for presentations will be evaluated by an expert committee. The authors of the accepted presentations receive a free pass for Stereopsia 2024.

## Deadlines

- Submission of presentation proposals – 15<sup>th</sup> September 2024
- Notification of acceptance – 30<sup>th</sup> September 2024
- Submission of presentations – 30<sup>th</sup> November 2024

## Track organisation

Dr. Oliver Schreer, Associate Professor TU Berlin, Head of Research Group at Fraunhofer Heinrich-Hertz-Institut, Germany

## Committee

Prof. Rigmor Baraas, Director of National Centre for Optics, Vision and Eye Care, University of South-Eastern Norway

Dr. Jelle Demanet, Manager HIT lab (Human Interface Technology Lab), HOWEST University of Applied Sciences, Belgium

Dr. Antonin Gilles, Researcher and Deputy Lab Manager, IRT b-com, France

Prof. Faisal Mushtaq, Director of the Centre for Immersive Technologies, University of Leeds, United Kingdom

Dr. Omar A. Niamut, Director of Science, TNO ICT, The Netherlands

Jan Pflüger, Consultant, advisXR, Germany

Dr. Oliver Schreer, Associate Professor TU Berlin, Head of Research Group at Fraunhofer Heinrich-Hertz-Institut, Germany

Dr. Athanasia Symeonidou, Technology Consultant - Immersive & Emerging, R&D, Research and Innovation, Belgium/Greece

Georg Thallinger, Research Manager Smart Media Solutions, DIGITAL - The Institute for Information and Communication Joanneum Research, Austria

Dr. Zerrin Yumak, Assistant Professor at the Human-Centered Computing Group, Department of Information and Computing Sciences, Utrecht University, The Netherlands