stereopsia EUROPE

ACADEMIC & RESEARCH TRACK

Thursday, 19 October 2023, 10:00 – 12:30

1   Call for Presentations (CfP)

In the 2023 Academic & Research Track of Stereopsia EUROPE – 15th 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 interactive and immersive technologies community 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 in a single track way:

- Creation of depth and volume for images, video and sound
- Advances in interactive sensors end rendering devices for virtual reality (VR), augmented reality (AR), mixed reality (MR) and extended reality (XR).
- Sensory/perceptual sciences considerations in design of XR
- Creation and capture of immersive content
- Novel 3D rendering techniques for ultra-realistic content (including holography) and/or real-time rendering
- Multi-camera systems and light field compression
- Consideration of user emotion in the design of XR
- Advances in interoperability for interactive technologies
- Contributions to ethical, legal and inclusion aspects of XR

Product presentations are excluded.

2   Conditions and deadlines

We ask for a 300 word abstract, which describes the topic of your presentation including the novelty and innovation. All the submitted proposals for presentations will be evaluated by an expert committee. After careful evaluation, 7 presentations will be selected. The authors of the accepted presentations receive a free pass for Stereopsia 2023. After the event, the presentations have to be made available for all the participants.

Deadlines

- Submissions of presentation proposals – 31 August **NEW DEADLINE: 15 September 2023**
- Notification of acceptance – 22 September 2023
- Submission of presentations – 12 October 2023

3 Track organisation

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

4 Committee

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

Prof. Caroline Cao, Chair of Industry of the future, Computer Sciences Department, IMT Atlantique, France

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

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

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

Dr. Athanasia Symeonidou, XR Researcher & Developer, Human Interface Technology Lab, Hogeschool West-Vlaanderen, Belgium

Jan Pflüger, Consultant, advisXR, Germany