



Eye Tracking for Spatial Research 2019

<http://et4s.ethz.ch>

26 June 2019, 15:30 – 18:00

*Chair: Peter Kiefer
ETH Zurich*

15:30 – 16:30

Invited Talk: Eye Tracking in Mixed Reality and its Promises for Spatial Research

Sophie Stellmach (Senior Scientist @ Microsoft, HoloLens team)

16:30 – 16:50

GeoGCD: Improved Visual Search via Gaze-Contingent Display

Kenan Bektaş (Zurich University of Applied Sciences Center for Aviation), Arzu Çöltekin (University of Applied Sciences and Arts Northwestern Switzerland, Institute for Interactive Technologies), Jens Krüger (University of Duisburg-Essen and University of Utah), Andrew T. Duchowski (Clemson University Visual Computing), Sara Irina Fabrikant (University of Zürich Department of Geography and Digital Society Initiative)

16:50 – 17:10

Eye gaze and head gaze in collaborative games

Oleg Špakov (Tampere University), Howell Istance (Tampere University), Kari-Jouko Rähä (Tampere University), Tiia Viitanen (Tampere University of Applied Sciences), Harri Siirtola (Tampere University)

17:10 – 17:30

Attentional orienting in virtual reality using endogenous and exogenous cues in auditory and visual modalities

Rébaï Soret (ISAE-SUPAERO, Université de Toulouse, France), Pom Charras (Université Paul Valéry-Montpellier III, France), Christophe Hurter (ENAC, Toulouse, France), Vsevolod Peysakhovich (ISAE-SUPAERO, Université de Toulouse, France)

17:30 – 17:50

POI-Track: Improving Map-Based Planning with Implicit POI Tracking

Fabian Göbel (ETH Zurich), Peter Kiefer (ETH Zurich)

17:50 – 18:00, short paper

Gaze awareness improves collaboration efficiency in a physical collaborative assembly task

Haofei Wang (The Hong Kong University of Science and Technology), Bertram Shi (The Hong Kong University of Science and Technology)

Organizers

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