



Call for Papers

7th International Workshop on Pervasive Eye Tracking and Mobile Eye-based Interaction (PETMEI 2018)

<http://2018.petmei.org>

June 14 - 17, 2018 in Warsaw, Poland

Eye tracking technology is becoming increasingly available for mobile and pervasive settings. The availability of eye tracking beyond the desktop calls for new interaction concepts, novel applications, and an understanding of the broader implications of pervasive eye tracking on humans. PETMEI 2018 focuses on pervasive eye tracking as a trailblazer for mobile eye-based interaction. The goal of the workshop is to bring together researchers in HCI, ubiquitous computing, context-aware computing, computer vision, machine learning and eye tracking communities to exchange ideas and to discuss different methods and applications for pervasive eye tracking.

PETMEI 2018 will have dedicated session(s) during the main track of ETRA 2018, featuring presentations and a keynote. This makes it possible for those who are joining the PETMEI workshop to share their ideas and discuss the implications of pervasive eye tracking for context-aware computing with other group of researchers from the large area of eye tracking research.

We solicit papers describing original research related to, or visionary of, pervasive eye tracking research addressing computational methods, new applications and use cases, as well as technology for pervasive eye tracking and mobile eye-based interaction.

Topics of Interest include:

Methods

- Tools for detecting, tracking, and analyzing the face, pupil, and eye movements
- Gaze-supported multimodal interaction techniques
- Methods and devices for eye Tracking on wearables (e.g. smart watches and smart glasses) and mobile devices (e.g. smartphones and tablets)
- Integration of pervasive eye tracking and context-aware computing
- Robust eye tracking for indoor/outdoor environments
- AI Methods (e.g., machine learning) to analyse eye tracking data

Applications

- Pervasive eye-based interfaces in virtual/augmented and real environments
- Eye interaction with robots and virtual characters
- Mobile attentive user interfaces

- Eye-based activity and context recognition
- Cognition-aware systems and user interfaces
- Security & privacy for pervasive eye-tracking systems
- Eye tracking and gaze interaction in healthcare

Submission Guidelines

We accept submissions with a length of between 6 and 10 pages in the latest ACM format (<http://www.siggraph.org/learn/instructions-authors>) using the templates for LateX and Word (<https://www.acm.org/publications/proceedings-template>) **Latex: sample-sigchi-a.tex, Word: SigChi-a.docx**). Submissions will be peer-viewed by at least two members of the technical program committee with respect to novelty, significance, technical quality, and their potential to spark interesting discussions. Please note that all submissions must be anonymized for double-blind review.

Accepted papers will be published in the ETRA 2018 supplemental proceedings and in the ACM Digital Library. At least one author for each accepted paper is required to attend the workshop and present the paper.

Submit your paper via New PCS: <https://new.precisionconference.com/user/login?society=etra>

Important Dates

February 16th, 2018 Paper submission
March 26th, 2018 Notification of acceptance
April 13th, 2018 Camera-ready due
June 14 - 17, 2018 Workshop

Organizers

Enkelejda Kasneci, Tübingen University, Germany
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