

First Call for Papers

# ET4S 2020 – Eye Tracking for Spatial Research 2020



## co-located event at ETRA 2020

June 02-05, 2020, in Stuttgart, Germany

<http://www.spataleyetracking.org/>

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Eye tracking has become a popular method for investigating research questions related to geographic space and spatial data. This includes studies on how people interact with geographic information systems, studies on how space is perceived in decision situations, and using gaze as an input modality for spatial human-computer interaction. As an event co-located with ETRA 2020, **Eye Tracking for Spatial Research (ET4S)** aims to bring together researchers from different fields who have a common interest in using eye tracking for research questions related to visuospatial information processing and spatial decision-making.

After four successful ET4S events in 2013, 2014, 2018, and 2019, the 5<sup>th</sup> edition of ET4S will be organized as a co-located event at [ETRA 2020](#), the ACM Symposium on Eye Tracking Research & Applications.

Topics of interest include, but are not limited to:

- Gaze-based Interaction with Maps and Other Spatial Visualizations
- Evaluation of Cartographic and Other Spatial Visualizations with Eye Tracking
- Gaze-aware Mobile Assistance and Location-based Services
- Navigation Studies, Wayfinding, and Eye Tracking
- Eye Tracking in Traffic Research (e.g., Car Navigation, Public Transport, Aviation)
- Visual Perception and Exploration of (Indoor and Outdoor) Space
- Landscape Perception
- Visuospatial Cognition Research
- Gaze During Spatial and Spatio-temporal Decision Making
- Spatio-temporal Analysis and Visualization of Eye Tracking Data
- Individual and Group Differences in Visuospatial Information Processing
- Eye Tracking in XR (VR/MR/AR) for Spatial Research
- Eye Tracking in 3D Space
- Multi-user Eye Tracking for Collaborative Spatial Decision Making

## Submission Guidelines

We call for regular and work-in-progress papers. Your submissions should be prepared following the sigconf instructions. To prepare the content of the PDF file, SIGGRAPH encourages authors to use the following templates for LaTeX and Word, respectively: <https://www.acm.org/publications/authors/submissions>. At least one author of each accepted ET4S paper must register for the ETRA conference.

**Regular papers** should present original and novel work demonstrating advances in methodological, theoretical, experimental or practical aspects of ET4S topics on up to 6 pages (+2 pages maximum for references only). Regular papers are expected to present fully analyzed data or accomplished work. All accepted regular papers are presented orally at the ET4S event.

**Work-in-progress papers** are suitable for work on ET4S-related topics in a stage beyond planning-only, but where feedback and discussion at the ET4S event can make a contribution (e.g., a pilot study for a planned study has been performed, or a conducted but not fully analyzed study). Work-in-progress papers can be up to 4 pages long (+2 pages maximum for references only). Work-in-progress papers will be presented at the ET4S event either with a short oral presentation or as a poster.

All papers should be submitted through [Precision Conference](#) (PCS) and are subject to a single review round. In PCS, please make sure you choose the track "ETRA 2020 Eye Tracking for Spatial Research (ET4S)".

## Important Dates

Submission deadline	February 21st, 2020
Reviews and notifications	March 26th, 2020
Camera-ready deadline	April 2nd, 2020

## ET4S Program Committee

- Gennady Andrienko (Fraunhofer IAIS/City University London, Germany/UK)
- Roman Bednarik (University of Eastern Finland, Finland)
- Annina Brügger (University of Zurich, Switzerland)
- Florian Daiber (German Research Center for Artificial Intelligence (DFKI), Germany)
- Weihua Dong (Beijing Normal University, China)
- Fabian Göbel (ETH Zurich, Switzerland)
- Amy Griffin (Royal Melbourne Institute of Technology, Australia)
- Krzysztof Krejtz (SWPS University of Social Sciences and Humanities, Poland)
- Jakub Krukar (ifgi, University of Münster, Germany)
- Thomas Kübler (University of Tübingen, Germany)
- Tiffany C.K. Kwok (ETH Zurich, Switzerland)
- Bernd Ludwig (University of Regensburg, Germany)
- Vsevolod Peysakhovich (Institut supérieur de l'aéronautique et de l'espace (ISAE-SUPAERO), France)
- Ken Pfeuffer (Bundeswehr University Munich, Germany)
- Martin Raubal (ETH Zurich, Switzerland)
- Anthony Robinson (Pennsylvania State University, USA)
- David Rudi (ETH Zurich, Switzerland)
- Artemis Skarlatidou (University College London, UK)
- Yanxia Zhang (FX Palo Alto Laboratory, USA)

## ET4S Organizers

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## Contact

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