

Background

The topic of smart city has attracted a growing interest of various stakeholders (research, local government and industry) in recent years. In essence, a smart city is about using advanced data processing to make city governance more efficient, citizens happier, businesses more prosperous and the environment more sustainable. GIScience, the science of geographic information, has a lot to offer to smart(er) cities. Geographic information is indeed a central component of urban planning, wayfinding and navigation, land management, weather forecasting, transportation planning, risk management, to name but a few. Geographic/spatial information also ties together scientific disciplines, and societal stakeholders in policy decisions. The time to get GIScience researchers discuss and ideate on the role of their field for smart city research is ripe. GIScience attendees will benefit from the contributions of a set of scholars who have been working on several dimensions of the citizen-centric smart city.

The workshop intends to collect contributions related to, and bring together scholars working on advancing six key areas where progress is still needed to realize a citizen-centric vision of smart city: deep citizen participation, data literacy and map literacy, pairing quantitative and qualitative data, adoption of open standards, the development of personal services, and the development of persuasive user interfaces. Topics include:

- Analysis of volunteered geographic information
- Approaches to mitigate location privacy
- Integration of quantitative and qualitative geographic data
- Map literacy
- Personalizing maps
- Persuasive spatial interfaces
- Spatial approaches to foster citizen participation
- Spatio-temporal analysis of urban data
- Use of open geospatial standards to make city services more efficient
- User-centered design of interactive maps

Submission & Reviewing

Papers must be written in English, formatted according to the [Springer LNCS format](#) and submitted as PDF via EasyChair. All submitted papers will be reviewed for the significance of their contributions (and their relevance to smart city research) by at least two members of the program committee. The review process is single-blind. The following types of contributions are welcome (figures and references count towards the page limits).

- Full research papers (8-12 pages);
- Position papers (6-8 pages);
- Short research papers (4-6 pages).

Accepted papers will be published as a volume in the [CEUR Workshop Proceedings](#) series. Presentation of accepted papers at the workshops is mandatory for the final inclusion in the workshop proceedings.

Important Dates (All dates to be understood as in AOE (Anywhere on Earth), i.e. UTC-12:00.)

- Paper submission deadline: May 22, 2018
- Authors' notification: June 22, 2018
- Camera Ready: July 13, 2018
- Program sent out: July 20, 2018
- Workshop Date: August 28, 2018

Workshop organizers

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Workshop website: <http://geo-c.eu/gismart2018>