



Call for Papers: Pervasive Analytics and Citizen Science

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Data is everywhere—from the sensors in our personal mobile devices to smart buildings, vehicles, the environment, city infrastructure, and beyond. But how will we collect, use, and act on this data? What role will social media play in coordinating our relationship to this data? How will we interact with and experience this data—personally and collectively? Providing more than data as an end unto itself, consider what new interfaces this will provide to our friends, neighborhoods, urban infrastructure, rural landscapes, and the environment. These technologies, novel data feeds, and citizen measurements will mold and shape urban planning, environmental monitoring, transportation, human mobility, traffic, economic disparities, energy consumption, civic government, and our own personal relationship with these “places.” How will such designs promote civic engagement, activism, grassroots campaigns, social relationships, and a deeper sense of community?

The aim of this special issue is to explore aspects and solutions related to the use of pervasive computing technologies as they relate to informing our understanding of the dynamics of our community and surroundings. We are particularly interested

in systems that aim to not only explore the technologies but also offer practical solutions and improvements to citizens’ everyday lives. In the same way, the integration of sensing and social media related solutions is of interest.

The guest editors invite original and high-quality submissions addressing all aspects of this field, as long as the connection to the focus topic is clear and emphasized. Relevant topics include, but are not limited to, the following:

- Improving understanding of the environment through pervasive sensing and social media
- Urban transport planning and enhancement
- Recommender systems for urban and rural citizens
- Urban planning
- Citizen mobility
- Novel urban interactions
- Citizen data collection accuracy and trust
- Urban event detection
- Location-based social networks and spatio-temporal models
- Communities and social media
- Disaster recovery
- Interfaces to civic government
- Grassroots campaigns
- Activism

- Sensor Legibility
- Novel citizen sensing technologies
- Collective action
- Crowd sourced data analytics
- Micro-volunteerism
- Privacy

Guest Editors

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Submission Information

Submissions should be 4,000 to 6,000 words long and should follow the magazine’s guidelines on style and presentation. All submissions will be anonymously reviewed in accordance with normal practice for scientific publications.

For full author guidelines:
www.computer.org/pervasive/author.htm

For submission details:
pervasive@computer.org

To submit an article:
<https://mc.manuscriptcentral.com/pc-cs>