

# Geospatial Sensing Virtual 2020

## CALL FOR ABSTRACTS

# From Sensing to Understanding our World

**Earth observation networks, e.g. in-situ sensors and remote sensing systems, deliver a multitude of data capturing the state of our environment. These data sets and streams are highly valued by scientists and stakeholders from a variety of domains and backgrounds such as hydrology, marine sciences, traffic management, environmental monitoring, energy supply or smart city systems. An active research and development community works on new approaches to share, manage, discover, analyze, and visualize geospatial sensor data. The Geospatial Sensing Conference provides a platform for scientists, developers and users to examine current challenges, present best practices and discuss future developments.**

The conference continues the Geospatial Sensor Webs workshops and conferences that began in 2013. Our focus ‘From Sensing to Understanding our World’ includes sensor data interpretation, analysis and visualization, tools and infrastructures for sharing geospatial sensor data, and novel sensor platforms. Join us to discover, exchange ideas about, and discuss new developments, emerging technologies, as well as ongoing research activities in the field of geospatial sensing.

The 52°North Open Innovation Network invites researchers, software developers and practitioners to submit abstracts as presentation proposals. This year’s program includes an additional EDC Forum session, which particularly invites members of Esri’s EDC community to present and discuss their work in the field of Geospatial Sensing.

The abstract should be 200 – 300 words and include title, authors and an outline of the presentation. Please submit the abstract as a pdf file to [geospatialsensing@52north.org](mailto:geospatialsensing@52north.org) by April 30, 2020. All submissions will be reviewed by the program committee and accepted on the basis of content, available space, and overall program balance. The authors of accepted abstracts will be notified by June 8, 2020. Final abstracts will be published on the conference website. We intend to invite authors of high quality abstracts to expand their contributions to a full paper for a special journal issue.

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## Conference Topics

**Sensor Web** sensors in the cloud  
**sensor data sharing and integration**  
event-driven architectures  
**real-time sensing** spatial data  
mining **spatial data analytics**  
visualization **big geospatial data**  
semantics of sensors and observatons  
**novel sensor platforms** sensor data  
on the Web **sensor data quality**  
citizen science **smart cities and**  
**mobility** sensor data and spatial data  
infrastructures **standards and**  
**interoperability** Internet of Things  
**metadata** research data  
infrastructures **data modelling**  
applications and best practices

## Program Committee

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Andreas Wytzisk-Arens (Hochschule Bochum)

## Important Deadlines

New Deadlines

<b>Abstract submissions</b>	June 14, 2020
<b>Notification of acceptance</b>	July 14, 2020
<b>Conference</b>	August 31 – September 2, 2020

More information is available at  
<http://52north.org/geospatialsensing2020>



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