Geospatial Sensor Webs Conference 2018

INVITATION AND CALL FOR PRESENTATIONS

Geospatial Sensor Webs – Sensor Data Analytics

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This year's conference "Geospatial Sensor Webs – Sensor Data Analytics" emphasizes the importance of Sensor Web technology in conjunction with tools for processing, visualization and data analysis. The conference will cover the state of the art and future directions of Sensor Web standards and technology, as well as challenges of analyzing Sensor Web data.

The Geospatial Sensor Webs conference offers a forum for users, developers and data providers who are interested in technologies for sharing and processing data that captures the state of the environment. Sensor Web technology application domains range from ocean sciences, hydrology, environmental monitoring (e.g. air quality, noise) to traffic management, geology, and emergency management.

In addition to the sharing of observation data, the generation of information products from raw data is an important added value. Sensor Web technology can complement approaches for interoperable Web-based analytics with mechanisms for delivering input data and sharing the resulting information products.

Conference Overview

The program begins Monday afternoon, September 3rd with an opening session discussing perspectives on Earth Observation data in conjunction with Sensor Web technologies. Three introductory tutorials follow. The main conference day is Tuesday, September 4th.

It focuses on diverse presentations (see conference topics) and reports of user experiences. Wednesday, September 5th, is an interactive workshop day focusing on the discussion of user requirements, new technologies, future directions, and project ideas.

	September 3, 2018	September 4, 2018	September 5, 2018
morning		**Geospatial Sensor Webs – Sensor Data Analytics** Presentation Sessions	**Annual 52°North Sensor Web Community Workshop**
afternoon	**Opening Session** Perspectives on EO Data and Sensor Web Technologies **Pre-conference Tutorials** Introduction to Sensor Web Technology Introduction to Web-based Geoprocessing R Analysis/Shiny	**Geospatial Sensor Webs – Sensor Data Analytics** Presentation Sessions	**Developer Meet-ups**
eve	**Ice breaker**	**Conference Dinner**	

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Call for Presentations

We invite presentation contributions for the conference and discussion topic suggestions for the workshop. Please send a title and brief abstract of approximately 50 words to gswconference@52north.org.

Conference Topics

Contributors are invited to submit presentations on the following topics:

_ Examples of Sensor Web implementations/applications
_ Web-based processing of observations (and event generation)
_ INSPIRE and O&M – best practices and applications
_ Geospatial Web of Things
_ Real-time spatial analytics in the Sensor Web
_ Big sensor data
_ Sensor data mining, analytics and visualization
_ Quality of Observations and Measurements
_ Low cost sensing devices
_ Dataflow from sensors to the Web
_ Semantic Sensor Web and Linked Data
_ GIS and Sensor Web
_ Integration of in-situ and remote sensing data

Workshop topics

_ Architecture and standards development
_ Integration of in-situ and remote sensing data in the context of COPERNICUS
_ Event processing (pub/sub)
_ Managing and processing big observation data
_ Real-time spatial analytics in the Sensor Web
Participants are welcome to suggest additional topics for discussion.

Important deadlines

Registration opens:	March 15, 2018
Deadline for presentation proposals:	May 30, 2018
Early Bird deadline:	June 30, 2018
Regular Registration deadline:	August 24, 2018
Conference:	September 3 – 5, 2018

Location

Hosted by
Institute for Geoinformatics, University of Münster GEO 1
Heisenbergstraße 2, 48149 Münster
Germany

Accommodations

We have blocked some hotel rooms for the conference. Please check our website.

Conference fee

The conference fee covers the catering costs for coffee breaks and the conference dinner.

Early Bird Fee:	75,- EUR
Regular Fee:	95,- EUR
Onsite Fee:	150,- EUR

More information is available at
http://52north.org/conference

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