

AGENDA

OGC Summit on SensorThings API

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Technology and Applications

on the occasion of the OGC TC/PC Meetings

Stuttgart, Germany

Tuesday, 11 Sep 2018

The objective of this summit is to gather the user and provider community that is interested in the current technology, applications and the future of the OGC SensorThings API standards. Experts who are member of the OGC working groups pursuing the development of this standard will discuss with users who are applying this standard already now in software applications of various domains.

The summit will take place on the occasion of the OGC TC/PC meetings at the HFT Stuttgart, Germany, on Tuesday, 11 Sep 2018, between 10.15 am and 5.30 pm.

Agenda

- 10.15 Welcome and Introduction (Thomas Usländer)
- 10.30 Overview about the OGC Sensor Things API (Steve Liang)
- 11.00 OGC SensorThings API and OGC Sensor Web Enablement – two sides of the same coin (Ingo Simonis, OGC Director)
- 11.30 SensorThingsAPI Implementations– 4 presentations of 20 min. each
 - FROST – Fraunhofer Open Source SensorThings API Server (N.N., Fraunhofer IOSB)
- 12.00 LUNCH BREAK
- 13.00 SensorThingsAPI Implementations (cont.)
 - SensorUp (Tania Khalafbeigi, University of Calgary)
 - SensorThings API Extension of the 52°North Sensor Web Server (Simon Jirka, 52°North Initiative for Geospatial Open Source Software GmbH)
 - InterSensor Service - The Babel Fish for establishing cross sensor platform interoperability (Kanishk Chaturvedi, TU Munich)
- 13.45 Applications and projects (1) – use cases, experiences, open issues and extension proposals (6 presentations of 20 min. each)
 - Environmental Risk Management – EU projects beAWARE and HERACLES (Jürgen Moßgraber, Fraunhofer IOSB)
 - Sensor Things für Pedelecs, project iCity E-bike Sharing (Joe Santhanavanich, HFT Stuttgart)
- 14.30 COFFEE BREAK

14.45 Applications and projects (cont.)

- CityGML Dynamizer ADE and InterSensor Service in the 3DCityDB (Thomas H. Kolbe, TU Munich)
- Real-time spatial data in the Urban Platform Hamburg (Dr. Michael Fischer, Urban Data Hub, City of Hamburg)
- SensorThings API in INSPIRE (Katharina Schleidt, DataCove e.U.)
- SmartAQNet - a measurement network for particulate matter in Augsburg (Dr. Johannes Riesterer, KIT teco)

16.15 COFFEE BEAK

16.30 Round-table - Look ahead – what is required as next steps ?

(Moderator: Thomas Usländer)

- panelists
 - Ingo Simonis (OGC Director)
 - Katharina Schleidt (DataCove e.U.)
 - Brendan Hyland, CEO WFS technologies Ltd
 - Michael Beigl (KIT teco)

17.15 Closure and final remarks (Thomas Usländer)

17.30 End of summit

Summit and Program Co-Chairs

- Dr. Thomas Usländer, Fraunhofer IOSB, Germany, thomas.uslaender@iosb.fraunhofer.de
- Dr. Steve Liang, University of Calgary, Canada / SensorUp liangs@ucalgary.ca / steve.liang@sensorup.com

Organizational Chair

- Prof. Dr. Volker Coors, HFT Stuttgart, Germany volker.coors@hft-stuttgart.de

Registration

The registration for the Summit is on the OGC Store at <https://store.opengeospatial.org> or via <http://ogcmeet.org/> .

The attendees will need to create an account to register. There is a possibility to register independently of a registration to the OGC Technical Committee meeting.

Conference language

English. No simultaneous translation.