Organization

https://ssn2018.github.io

#SSN2018 #ISWC2018

Organizers

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Knowledge-enabled Computing (Kno.e.sis),
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Program committee 5 America, 15 Europe, 3 Asia

- Prof Franz Baader, TU Dresden, Germany
- Mr Sebastian Bader, Karlsruhe Institute of Technology, Germany
- Dr Payam Barnaghi, University of Surrey, UK
- Dr Maria Bermudez-Edo, University of Granada, Spain
- Dr Boyan Brodaric, Geological Survey of Canada, Canada
- Dr Jean-Paul Calbimonte, University of Applied Sciences and Arts, Western Switzerland, Switzerland
- Prof Oscar Corcho, Universidad Politécnica de Madrid, Spain (ex-chair)
- Dr David Corsar, University of Aberdeen, UK
- Dr Simon Cox, CSIRO, Australia
- Dr Armin Haller, Australian National University, Australia
- Dr Andreas Harth, AIFB, Karlsruhe, Germany
- Ms Utkarshani Jaimini, Kno.e.sis-Wright State University, USA
- Dr Krzysztof Janowicz, University of California, Santa Barbara, USA (ex-chair)
- Dr Prem Prakash Jayaraman, Swinburne Institute of Technology, Australia
- Dr Sebastian Kaebisch, Siemens AG, Germany
- Dr Danh le Phuoc, TU Berlin, Germany
- Dr Joshua Lieberman, Tumbling Wall, USA
- Dr Maria Maleshkova, University of Bonn, Germany
- Dr Lionel Médini, Université Lyon 1, France
- Dr Pankesh Patel, Fraunhofer-USA, USA
- Dr Catherine Roussey, Irstea, France
- Dr Markus Stocker, Leibniz Information Centre for Science and Technology, Germany
- Dr Antoine Zimmermann, Mines Saint-Étienne, France

Overview of Submissions

Submissions

11 submissions:
- 8 long papers (3 reviews each)
- 2 short papers (2 reviews each)
- 1 demo paper (2 reviews)

- 4 long papers accepted, 1 accepted conditionally, 1 accepted as short, 2 rejected.
- 1 short paper accepted, 1 accepted conditionally.
- 1 demo paper accepted.

Application domains

Smart sensors, Internet of Things, Thing discovery

Smart agriculture, Automotive, Smart Home, Building Information Modeling, Brain-Computer Interaction, Oceanographic data

Overview of Submissions

Reviewers

"do not publish my review nor my name" – 9 reviews
"publish my review, but not my name"   – 14 reviews
"publish my review and my name"   – 4 reviews

Authors

"Publish the submitted version and the reviews"   – choice for 8
"Publish the submitted version but not the reviews" – choice for 1
"Publish the minimal information about the paper"   – default choice for 2 (no answer)
"Do not publish anything about the paper"   – choice for 0

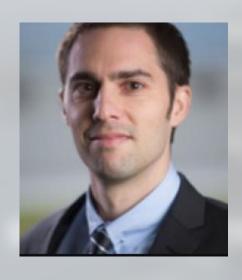|		
9:00-9:10		Introduction to SSN 2018
9:10-9:40	**Keynote**	**Armin Haller, The Siloization of the IoT: A Guide out of the App trap**
9:40-10:10	Long paper	María Poveda-Villalón, Quang-Duy Nguyen, Catherine Roussey, Christophe de Vaulx and Jean-Pierre Chanet. *Ontological requirement specification for smart irrigation systems: a SOSA/SSN and SAREF comparison* (paper - BibTex)
10:10-10:30	Short paper	Benjamin Klotz, Raphaël Troncy, Daniel Wilms and Christian Bonnet. *VSSo: the Vehicle Signal and Attribute Ontology* (paper - BibTex)
10:30-11:00		Break
11:00-11:30	Long paper	Sergio José Rodríguez Méndez and John K. Zao. *BCI Ontology: A Sensing and Acting Context-based Model for Brain-Computer Interaction*(paper - BibTex)
11:30-12:00	Long paper	Bram Steenwinckel, Pieter Heyvaert, Dieter De Paepe, Olivier Janssens, Sander Vanden Hautte, Anastasia Dimou, Filip De Turck, Sofie Van Hoecke and Femke Ongenae. *Towards Adaptive Anomaly Detection and Root Cause Analysis by Automated Extraction of Knowledge from Risk Analyses* (paper - BibTex)
12:00-12:20	Demo paper	Mads Holten Rasmussen, Christian Aaskov Frausing, Christian Anker Hviid and Jan Karlshøj. *Integrating Building Information Modeling and Sensor Observations using Semantic Web* (paper - BibTex)
12:20-14:00		Lunch break
14:00-14:30	**Keynote**	**Michael Koster, Semantic Interoperability for Connected Things - Avoiding the XKCD 927 Effect**
14:30-15:00	Long paper	Samya Sagar, Maxime Lefrançois, Issam Rebai, Khemaja Maha, Serge Garlatti, Jamel Feki and Lionel Médini. *Modeling Smart Sensors on top of SOSA/SSN and WoT TD with the Semantic Smart Sensor Network (S3N) modular Ontology* (best paper, preprint version - BibTex)
15:00-15:20	Short paper	Marjan Alirezaie, Karl Hammar, Eva Blomqvist, Mikael Nystrom and Valentina Ivanova. *SmartEnv Ontology in E-care@home* (paper - BibTex)
15:20-16:00		Break
16:00-16:30	Long paper	Victor Charpenay, Sebastian Käbisch and Harald Kosch. *A Framework for Semantic Discovery on the Web of Things* (best paper, preprint version - BibTex)
16:30-16:50	Short paper	Ilias Tachmazidis, Sotiris Batsakis, John Davies, Alistair Duke, Grigoris Antoniou and Sandra Stincic Clarke. *Optimizing a Semantically Enriched Hypercat-enabled Internet of Things Data Hub* (paper - BibTex)
16:50-17:30	Discussion	Migrating from the 2011 SSN to SOSA/SSN: challenges and next steps

Discussion

Migrating from the 2011 SSN to SOSA/SSN: challenges and next steps
SSN and the Web of Things
Next steps for the SSN community

https://ssn2018.github.io/

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The audience