

SEMANTiCS 2018

Call for Data Science Contributions

14th International Conference on Semantic Systems

Vienna, Austria

September 10 -13, 2018

<http://2018.semantics.cc>

Important Dates (Data Science Track)

- ~~Abstract Submission Deadline:~~ **April 15, 2018 (11:59 pm, Hawaii time)**
- **Extended: Abstract Submission Deadline: April 29, 2018 (11:59 pm, Hawaii time)**
- ~~Paper Submission Deadline:~~ **April 22, 2018 (11:59 pm, Hawaii time)**
- **Extended: Paper Submission Deadline: May 6, 2018 (11:59 pm, Hawaii time)**
- **Notification of Acceptance: June 4, 2018 (11:59 pm, Hawaii time)**
- **Camera-Ready Paper: August 6, 2018 (11:59 pm, Hawaii time)**

Submission of Data Science Research & Innovation papers via EasyChair on

<https://easychair.org/conferences/?conf=semantics2018>

Submission of Industry & Use Case presentations via

<https://2018.semantics.cc/submission-industry-data-science>

The annual SEMANTiCS conference is *the* meeting place for professionals who make semantic computing work, understand its benefits, and encounter its limitations. Following the success of last year's inaugural edition, SEMANTiCS'18 will again feature a **Data Science track** that provides a unique opportunity to bring together researchers and practitioners interested in the intersection between Data Science and Semantic Technologies.

We strongly believe that people and scientific communities can learn from each other, and that this track has the potential to close the gap between data science and semantics research. SEMANTiCS has a long-standing tradition in providing methods and techniques for representing data in an interoperable, standardized, and machine-processable fashion. By including researchers and practitioners that excel in Data Science, we hope that we can bring together people with various backgrounds and goals to learn from each other and to stimulate a joint future research agenda at the intersection of semantics and data science research and practice.

The Data Science track will cover Research & Innovation papers as well as Industry & Use case presentations and stretch over both conference days.

Given the success of last year's conference in Amsterdam, which attracted more than 370 attendees from 28 countries, SEMANTiCS 2018 is bound to continue a long tradition of bringing together a community from around the world. There will be presentations on industry implementations, use case prototypes, best practices, panels, papers and posters to discuss semantic systems in a broad range of regular as well as informal settings. SEMANTiCS addresses problems common among information managers, software engineers, IT-architects and various specialist departments working to develop, implement and evaluate semantic software systems.

The SEMANTiCS program will provide a rich mix of technical talks, panel discussions on emerging topics and presentations by people who make things work - just like you. In addition, attendees will have a unique opportunity to network with experts in a variety of fields. These relationships provide great value to organisations as they encounter technical challenges in any stage of implementation. The expertise gained by SEMANTiCS attendees has a long-term impact on their careers and organisations. These factors make SEMANTiCS the key event across Europe for a diverse community of industry leaders and academic experts alike.

Data Science Track Horizontals

- Large-Scale Data Processing (stream processing, handling large-scale graphs)
- Data Analytics and Machine Learning
- Network Analytics
- Communicating Data (Data Visualization, UX & Interaction Design, Crowdsourcing)
- Cross-cutting Issues (Ethics, Privacy, Security, Provenance)

Verticals

- Industry & Engineering
- Life Sciences & Health Care
- Public Administration
- e-Science
- Digital Humanities
- Galleries, Libraries, Archives & Museums (GLAM)
- Education & eLearning
- Media & Data Journalism
- Publishing, Marketing & Advertising
- Tourism & Recreation
- Financial & Insurance Industry
- Telecommunication & Mobile Services
- Sustainable Development: Climate, Water, Air, Ecology
- Energy, Smart Homes & Smart Grids
- Food, Agriculture & Farming
- Safety, Security & Privacy
- Transport, Environment & Geospatial

Submission Guidelines Data Science Research & Innovation track

The **Data Science Research & Innovation track** at SEMANTiCS welcomes papers on novel scientific research and/or innovations relevant to the intersection of Data Science and Semantics. Submissions must be original and must not have been submitted for publication elsewhere. Proceedings should follow the guidelines of the Elsevier Procedia Computer Science format. Details will be provided soon. Papers must not exceed 12 pages in length for full papers and 6 pages for short papers, including references and optional appendices. SEMANTiCS'18 proceedings will be published as **Open Access by Elsevier Procedia Computer Science**. Proceedings should follow the guidelines of the **Elsevier Procedia Computer Science** format. [Templates for Word and Latex](#) are available here; further details are available here: [Author's Guide](#).

Important Dates Research & Innovation papers: (all at 11:59 pm, Hawaii time)

- ~~Abstract Submission Deadline:~~ ~~April 15, 2018 (11:59 pm, Hawaii time)~~
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Submission Guidelines Data Science Industry & Use Case presentation

To contribute a submission for a **Data Science Industry & Use Case presentation** at SEMANTiCS 2018 please prepare the following:

- Fill out the **online application** at SEMANTiCS website (<https://2018.semantics.cc/submission-industry-data-science>) and give us relevant information about your expertise and your professional background. (Please note: Only fully completed forms can be accepted.)
- Please submit this form until May 6, 2018.
- In case of inquiries please do not hesitate to contact us: data-science-industry@semantics.cc

Data Science Industry & Use Case presenters will be granted access to the entire program of the SEMANTiCS Conference (incl. all social events) at a reduced rate. Additionally, presenters will have the possibility to discuss their contributions with an interested audience and exchange ideas how semantic technologies can be utilized for corporate and business needs more effectively and successfully. Besides that, the Industry Presentations at SEMANTiCS generate a high visibility within the Semantics Community and allow you to meet interesting experts and extend your business network.

Industry & Use Case submissions should comply with the following criteria:

- Your presentation is relevant to industry and industrial purposes. It illustrates how data science and semantic technologies contribute to or improve existing businesses and / or generate new ones.
- The presented solution has already been deployed and / or has been tested in a practical

environment – at least prototypically.

- Your presentation is well-structured and does bring across its message.
- The topic is well described and covers enough explanations, examples, use cases, graphics, etc.
- Novelty: The topic covered is new to your industry – not necessarily new to business in general

Every submission will be reviewed by the Programme Committee. All accepted submissions will be granted a presentation slot of 30 minutes (25 min. presentation + 5 min. discussion). Please take care to address the following aspects in your talk: Initial challenges, approach or methodology, success criteria / benefit of the solution, prospects and recommendations, a demo (if applicable). In case your presentation will be accepted, we will provide you with detailed information on organisational matters according to the selection of submissions and conference participation.

Important Dates Industry & Use Case submissions:

- Submission Deadline: May 6, 2018
- Notification: May 28, 2018
- Presentation Ready: August 22, 2018

We are looking forward to your contribution!

Data Science Track Chairs:

- [Bernhard Haslhofer](#), Austrian Institute of Technology
- [Laura Hollink](#), Centrum Wiskunde & Informatica
- [Alexander Schindler](#), Vienna University of Technology

Other calls at SEMANTiCS:

Research and Innovation Track

The Research & Innovation track at SEMANTiCS welcomes papers on novel scientific research and/or innovations relevant to semantic systems. The detailed Call for Research & Innovation papers is [available here](#).

Posters and Demos Track

The Posters & Demonstrations Track invites innovative work in progress, late-breaking research and innovation results, and smaller contributions in all fields related to the Semantic Web in a broader sense. The detailed Call for Poster & Demos papers is [available here](#).

Industry & Use Case Track

Focusing strongly on industry needs, SEMANTiCS invites presentations on enterprise solutions that deal with semantic processing of data and/or information. All submissions have a strong focus on

real world applications beyond the prototypical stage and demonstrate the power of semantic systems. The detailed Call for Industry and Use Case Presentations will be [available here](#).

Workshops & Tutorials

Workshops and tutorials at SEMANTiCS 2018 allow your organisation or project to advance and promote your topics and gain increased visibility. A detailed call for workshops and tutorials is [available here](#).

Vocarnival

Bootstrap your new Vocabulary project: At the carnival you can present your ideas and early stage vocabs to find the right people to get the Vocab discussion going. For this event we use a very open definition of what a vocabulary is. Ontologies, classifications, thesauri, concept and metadata schemes, whatever their format, in RDF or not, are all welcome. We require at least a project website. Details to follow.

All calls are available on the conference website <http://2018.semantics.cc>