Call for Papers
SEMANTiCS 2018 - The Linked Data Conference

14th International Conference on Semantic Systems
Vienna, Austria
September 10 -13, 2018
http://2018.semantics.cc

Important Dates (Research & Innovation incl. 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 via Easychair on https://easychair.org/conferences/?conf=semantics2018

SEMANTiCS'18 proceedings will be published as **Open Access by Elsevier Procedia Computer Science**.

The annual SEMANTiCS conference is *the* meeting place for professionals who make semantic computing work, understand its benefits, and encounter its limitations. Every year, SEMANTiCS attracts information managers, IT-architects, software engineers and researchers from a wide spectrum of organisations ranging from SMEs and non-profit organizations, to public administration bodies, to the largest companies in the world. Attendees learn from industry experts and top researchers about emerging trends and topics in the fields of semantic software, including enterprise data, linked data & open data strategies, methodologies in knowledge modelling and text & data analytics. The SEMANTiCS community is highly diverse; attendees routinely interlinking areas such as knowledge management, technical documentation, e-commerce, big data analysis, enterprise search, document management, business intelligence and enterprise vocabulary management.

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.

Following the success of the previous year, this year's SEMANTiCS will also again feature a special **Data Science track**, which offer a unique opportunity to bring together researchers and practitioners interested in the intersection of Semantic Technologies, Linked Data and Data Science and provide a platform to present their ideas and discuss the most important scientific, technical and socio-economic challenges in this emerging field.

SEMANTiCS 2018 particularly welcomes submissions on the following key topics:

- Web Semantics, Linked (Open) Data & schema.org
- Corporate Knowledge Graphs
- Knowledge Integration and Language Technologies
- Data Quality Management
- Economics of Data, Data Services and Data Ecosystems
- Ethics and Explainable AI
- Data Science (special track, see below)

Following the success of previous years, we welcome any submissions related, but not limited to, the following 'horizontal' (research) and 'vertical' (industries) topics:

Horizontals
- Enterprise Linked Data & Data Integration
- Knowledge Discovery & Intelligent Search
- Business Models, Governance & Data Strategies
- Semantics in Big Data
- Text Analytics
- Data Portals & Knowledge Visualization
- Semantic Information Management
- Document Management & Content Management
- Terminology, Thesaurus & Ontology Management
- Smart Connectivity, Networking & Interlinking
- Smart Data & Semantics in IoT
- Semantic Services
- Semantics for IT Safety & Security
- Semantic Rules, Policies & Licensing
- Community, Social & Societal Aspects

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

We invite contributions to the following tracks:

Research and Innovation Track

The Research & Innovation track at SEMANTiCS welcomes papers on novel scientific research and/or innovations relevant to the topics of the conference. Submissions must be original and must not have been submitted for publication elsewhere. Papers must not exceed 12 pages in length for full papers and 6 pages for short papers, including references and optional appendices.

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- **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)

Author instructions: 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.

Data Science Track

Following the success of last year's inaugural edition, SEMANTiCS 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. Semantics will provide a forum to present their ideas and discuss the most important scientific, technical and socio-economic challenges of this emerging field. The detailed Call for Data Science papers is available here.

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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. These include submissions on innovative applications with impact on end users, such as demos of solutions that users may test or that are yet in the conceptual phase, but are worth discussing, and also applications or pieces of code that may attract developers and potential research or business partners. The detailed Call for Poster & Demos papers is available here.

Important Dates (Posters & Demos)
- **Paper Submission Deadline:**　　**June 11,** 2018 (11:59 pm, Hawaii time)
- **Notification of Acceptance:**　　**July 2,** 2018 (11:59 pm, Hawaii time)
- **Camera-Ready Paper:**　　　　　**August 6,** 2018 (11:59 pm, Hawaii time)

Author instructions: Proceedings should follow the guidelines of the **CEUR Workshop proceedings** format. Details will be provided soon.

Industry and Use Case Track

Focusing strongly on industry needs, SEMANTICS invites presentations on enterprise solutions that deal with semantic processing of data and/or information in areas like Linked Data, Data Publishing, Semantic Search, Recommendation Services, Sentiment Detection, Search Engine Add-Ons, Thesaurus and/or Ontology Management, Text Mining, Data Mining and any related fields. 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 is available here.

Important Dates:
- **Abstract Submission Deadline:**　**May 6,** 2018 (11:59 pm, Hawaii time)
- **Paper Submission Deadline:**　　**May 28,** 2018 (11:59 pm, Hawaii time)
- **Notification of Acceptance:**　　**August 22,** 2018 (11:59 pm, Hawaii time)

Workshops and Tutorials

Workshops and tutorials at SEMANTiCS 2018 allow your organisation or project to advance and promote your topics and gain increased visibility. The workshops and tutorials will provide a forum for presenting widely recognized contributions and findings to a diverse and knowledgeable community. Furthermore, the event can be used as a dissemination activity in the scope of large research projects or as a closed format for research/commercial project consortia meetings. A detailed call for workshops and tutorials is available here.

Important Dates for Workshops:
- **Workshop Proposals due:**　　　**April 1,** 2018 (23:59 Hawaii Time)

- **Notification of Acceptance:**   **April 14,** 2018 (23:59 Hawaii Time)

Important Dates for Tutorials (and other meetings, e.g. seminars, show-cases, etc., without call for papers):

- **Submission deadline:**   **July 1,** 2018 (23:59 Hawaii Time)
- **Notifications:**   **July 10,** 2018 (23:59 Hawaii Time)

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.

The **detailed calls** will be available on the conference website http://2018.semantics.cc

Research and Innovation Chairs:
- Anna Fensel, University of Innsbruck
- Victor de Boer, Vrije Universiteit Amsterdam

Data Science Track Chairs:
- Bernhard Haslhofer, Austrian Institute of Technology
- Laura Hollink, Centrum Wiskunde & Informatica
- Alexander Schindler, Vienna University of Technology

Industry and Use case Presentations
- Tobias Bürger, BMW
- Christian Dirschl, Wolters Kluwer
- Andreas Blumauer, Semantic Web Company

Workshops and Tutorials Chairs:
- Javier D. Fernández, WU Vienna
- Tobias Kuhn, Vrije Universiteit Amsterdam

Posters and Demos
- Ali Khalili, Vrije Universiteit Amsterdam
- Maria Koutraki, FIZ Karlsruhe

Conference Chairs:
- Elmar Kiesling, TU Wien
- Tassilo Pellegrini, UAS St. Pölten

The **program committee** will be announced on the conference website http://2018.semantics.cc