

**\*\*\* EXTENDED DEADLINE MARCH 25<sup>th</sup> 2010 \*\*\***

**Call for Papers**

**I-Semantics 2010: 6th International Conference on Semantic Systems**

**Graz, Austria, 1 - 3 September 2010**  
**<http://www.i-semantics.at>**

*including*

**Call for Papers**  
**5th AIS SigPrag International Conference on Pragmatic Web**  
**(ICPW 2010)**

**&**

**Call for Submissions**  
**3rd Triplification Challenge**

**Latest News:**

---

---

***Paper Submission Deadline extended to MARCH 25th***

***I-SEMANTICS proceedings published by ACM ICPS***

***Tim Berners-Lee official patron of Triplification Challenge 2010***

***Peter Gloor (MIT) to Hold Keynote at I-SEMANTICS 2010***

***Prof. Marti Hearst gives a Keynote at I-SEMANTICS '10***

***Elsevier Data & Knowledge Engineering on "Pragmatic Web" forthcoming***

---

---

**Scope**

I-SEMANTICS 2010 ([www.i-semantics.at](http://www.i-semantics.at)) is the 6<sup>th</sup> conference in the I-SEMANTICS series and provides a forum for academic and industrial research & development that focuses on semantic technologies and the Semantic Web. I-SEMANTICS 2010 will bring together both researchers and practitioners in the areas of Linked Data, Social Software and the Semantic Web in order to present and develop innovative ideas that help realising the "Social Semantic Web" and the "Corporate Semantic Web".

I-SEMANTICS 2010 will be the host of this year`s regional Pragmatic Web Conference as well as the third edition of the TRIPLIFICATION Challenge. Further on I-SEMANTICS will be complemented by I-KNOW ([www.i-know.at](http://www.i-know.at)), the 10<sup>th</sup> International Conference on Knowledge Management. This setup is aiming to reflect the increasing importance and convergence of knowledge management and semantic systems.

## **Topics**

The special focus of I-SEMANTICS 2010 is „**Towards a Web of Linked Data**”. As a conference aiming to bring together science and industry, I-SEMANTICS encourages both, scientific (research/application) and industrial contributions. The following table summarises the topics we are interested in:

### ***Web of Data and Linked Data***

- Triplification of existing data
- Vocabularies, taxonomies and schemas for use on the Web of Data
- Querying, searching and browsing over Linked Data
- Coreference detection and dataset reconciliation
- Information provenance and quality assessment on the Web of Data
- User interaction and visualisation
- Applications utilizing open data sets
- Linked Enterprise Data, Linked Government Data

### ***Corporate Semantic Web***

- Corporate thesauri, corporate business vocabularies / ontologies and business rules
- Semantic Business Information Systems
- Semantic Business Process Management
- Semantic Decision Management
- Semantics, Pragmatics and Semiotics in Organizations
- Economic and entrepreneurial aspects and business models of Semantic Enterprises

### ***Semantic Social Software***

- Semantic blogging, wikis and content management systems
- Semantic Desktop
- Semantic mashups
- Semantic/structured tagging
- Social semantic web and mobile services

### ***Semantic Content Engineering***

- Ontology Engineering & Ontology Merging
- Ontology Design Patterns
- Ontology Life Cycle Management
- Ontology Learning
- Linguistic and statistic approaches (text-mining, NLP, etc.) for structuring and extracting content and entities
- Automated annotation, extreme tagging and digital curation approaches

### ***Building Blocks for Semantic Web Applications***

- Scalable inference, retrieval, and persistence of semantic data
- Design processes from requirements to maintenance
- Design patterns, Best practices and Reference Models
- User-interface components, template languages
- Integration of distributed repositories
- Policy Awareness & Policy Aware Web
- Semantic web services

### ***Studies, Metrics & Benchmarks***

- Case studies of and benchmarks in semantic systems usage
- Evaluation perspectives, methods and Semantic Web research methodologies
- Technology assessment, acceptance/media choice theories
- Usability and user interaction with semantic technologies
- Quality analysis of socially generated semantic content
- Trust and privacy issues in semantic applications
- Economic effects generated by large scale semantic systems

### **Pragmatic Web Track**

The Conference on PRAGMATIC WEB is centered around the study of “pragmatics” in the Semantic Web. That is, it draws attention to how communicative actions with a pragmatic context are performed via Web media and illuminates how mutual understanding and commitments to actions can evolve in conversations. For further information about the Pragmatic Web see <http://www.pragmaticweb.info/>

## Topics of Interest

- Pragmatic Web Science
- Theories, Frameworks, Models and Methods ...inspired by Pragmatics and Pragmatism, or less formally, case study reflections on “pragmatic” uses of the Web that supported the negotiation of social/work relationships and common ground
- Applied pragmatic theory
- Communication, dialogue and argumentation models
- Pragmatic Web media for communicative actions
- Pragmatic collaboration and coordination tools
- Pragmatic context models (e.g. within conversation-based collaborations)
- Pragmatic design principles for Web contents where trust and commitment to action play a role
- Vocabularies / ontologies for pragmatic primitives (e.g. speech acts, deontic primitives, etc.)
- Linguistic metaphor: its value for framing the Syntactic, Semantic and Pragmatic Web
- Pragmatic model of scientific inquiry in Semantic Web research
- Negotiation, mediation, conflict resolution, and coordination combining existing ontologies and schemata, collaborative ontology sharing and matching techniques
- Integrative frameworks: approaches to integrating insights from component disciplines (e.g. language-action perspectives, cognition, linguistics, semiotics, knowledge representation, philosophy, interaction design, negotiation, media studies)
- Pragmatic reasoning supporting adaptive semantic collaboration and virtual collaborative teams
- Sense making, analysis and decision-making in a cooperative or non-cooperative pragmatic model
- Argumentation, dialogue and debate
- Personalized / role-based Pragmatic Web Agents and intelligent conversation or action based web services
- Pragmatic Web based human-human and human-computer interaction
- Semiotically motivated approaches to information systems
- Semiotic engineering and Semiotics in business computing
- Semiotic theory, concepts, methods and techniques, and their practical applications


## Triplification Challenge

The challenge is open to anyone interested in applying Semantic Web and Linked Data technologies. This includes students, developers, researchers, and people from industry. Individual or group submissions are both acceptable. We envision submissions in three categories:

- Novel data sets that are published as part of the Web of Data, according to Linked Data principles, and demonstrating potential benefit of use within applications;
- Novel generic mechanisms, approaches, and technologies that convert certain types and formats of information into triples, interlink them to other data sets, and expose them as Linked Data;
- Applications showcasing the benefits of Linked Data to end-users such as for information syndication, specialized search, browsing, or augmentation of content.

## Criteria

Entries shall consist of a 2-3 page description and will be assessed according to the extent to which they:

- demonstrate innovation through the expression of existing data structures as Linked Data;
- reasonably reuse existing vocabularies and alignment ontologies (e.g., the datasets from the  [Linking Open Data cloud](#).)
- highlight the technical capabilities of the Semantic Web and bring real benefits to potential users.

All three criteria will be given equal importance in selecting the winning entry. In the event of a tie, the entry deemed to bring greatest benefits to potential users will be awarded the prize.

Please find further information at  
<http://triplify.org/Challenge/2010>  
[http://i-semantics.tugraz.at/triplification\\_challenge](http://i-semantics.tugraz.at/triplification_challenge)

## Submission Information

All accepted papers of I-SEMANTICS 2010 will be published in the digital library of the ACM ICP series.



Submissions must be original and must not have been submitted for publication elsewhere. Articles should follow the ACM ICPS guidelines for formatting (<http://www.acm.org/sigs/publications/proceedings-templates>) and must be submitted via the online submission system available at the conference website as PDF documents (other formats will not be accepted). For the camera-ready version, we will also need the source files (Latex, Word Perfect, Word).

### ***Research/Application Papers***

Research/Application papers report on novel research and/or applications relevant to the topics of the conference. The number of pages of research papers is limited to 8 pages including references and an optional appendix.

### ***Posters, Demos & Tutorials***

The conference also particularly welcomes the submission of posters, demos, and tutorials. Submissions should consist of a 2-4 page description that allows us to judge the quality of your presentation. Descriptions will also be published as part of the proceedings.

### ***Important Dates***

- ~~Paper Submission Deadline: March 8, 2010~~
- **Extended Submission Deadline:** March 25, 2010
- **Notification of Acceptance:** May 10, 2010
- **Camera-Ready Paper:** June 7, 2010
- **I-SEMANTICS 2010:** September 1-3, 2010

### **Committee (in alphabetical order)**

#### **Scientific Chairs**

- \* Nicola Henze (Leibniz University Hannover)
- \* Adrian Paschke (Free University of Berlin)
- \* Bernhard Schandl (University of Vienna)
- \* Juan Sequeda (University of Texas)
- \* Hans Weigand (University of Tilburg)

#### **Industry Chairs**

- \* Andreas Blumauer (Semantic Web Company)
- \* Richard Cyganiak (DERI, National University of Ireland)

#### **Organisation Chairs**

- \* Tassilo Pellegrini (Semantic Web Company)

### **Program Committee**

Please go to: <http://i-semantic.tugraz.at/scientific-track/program-committee/>