



CALL FOR PAPERS: International Workshop on Machine Learning and Semantic Web Technologies

Organizing Committee

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Important dates

**Abstract Submission
deadline:**
March 30, 2011

Submission deadline:
April 7, 2011

Author notification:
April 30, 2011

Final paper version:
May 15, 2011

Author registration:
June 10, 2011

The 1st International Workshop on Machine Learning and Semantic Web Technologies will be held as part of the 2-nd International Conference on Emerging Intelligent Data and Web Technologies. The primary goal of the workshop is to bring together researchers and practitioners interested in the interdisciplinary research on Machine Learning and Semantic Web Technologies. The workshop is conceived to provide a meeting point for the related communities to stimulate collaboration and enable cross-fertilization of ideas.

The Semantic Web is often perceived to be a global, distributed database of meaningfully represented data. The heterogeneity of these resources and inherently open, distributed, and incomplete nature of the Web environment pose problems for deductive approaches, traditionally employed to reason with logic-based ontological data. Therefore, new, complementary forms of reasoning are needed on the Semantic Web, such as inductive reasoning. Moreover, such new approaches would be able to deal with scalability issues, and complexity and expressivity of the representation languages.

Topics of interest for the workshop include, but are not limited, to the following:

- Novel Machine Learning models and algorithms
- Large/Complex Machine Learning Environments for the Web
- Machine Learning for the Semantic Web
- Web mining for the Semantic Web
- Statistical learning for the Semantic Web
- Knowledge Discovery and Ontologies
- Machine Learning and Data Mining for Social Networks
- Novel Semantic Web Technologies
- Machine Learning and Semantic Web technologies for sensors, situational awareness and multimedia.
- Machine Learning and Semantic Web technologies for grids, P2P, services and middleware
- Social Semantic Web
- Applications

Paper submission

Paper submissions are limited to 6 pages and should be formatted according to the standard double-column format (<http://www.computer.org/portal/site/cscps/>). Please submit your paper electronically as PDF using the online submission system. Workshop proceedings will be published by the IEEE Computer Society's Conference Publishing Services (CPS)

Workshop Website

<https://sites.google.com/site/mlsw2011/home>