



4th Int. Workshop on Modular Ontologies (WoMO)
Toronto, Canada, May 11, 2010
--- 1st Call for Papers ---



<http://www.informatik.uni-bremen.de/~okutz/womo4>

MODULARITY, as studied for many years in software engineering, allows mechanisms for easy and flexible reuse, generalization, structuring, maintenance, design patterns, and comprehension. Applied to ontology engineering, modularity is central not only to reduce the complexity of understanding ontologies, but also to facilitate ontology maintenance and ontology reasoning.

Recent research on ontology modularity shows substantial progress in foundations of modularity, techniques of modularization and modular development, distributed reasoning and empirical evaluation. These results provide a foundation for further research and development.

The workshop follows a series of successful events that have been an excellent venue for practitioners and researchers to discuss latest work and current problems, and is this time organised as a satellite workshop of FOIS 2010, as well as being co-located with several other relevant events, namely KR, AAMAS, ICAPS, NMR, and DL.

TOPICS include, but are not limited to:

- What is Modularity: Kinds of modules and their properties; modules vs. contexts; design patterns; granularity of representation;
- Logical/Foundational Studies: conservativity; modular ontology languages (e.g., DDL, E-Connections, P-DL); reconciling inconsistencies across modules; formal structuring of modules; heterogeneity;
- Algorithmic Approaches: distributed reasoning; modularization and module extraction; (selective) sharing and re-using, linking and importing; hiding and privacy; evaluation of modularization approaches; complexity of reasoning; reasoners or implemented systems;
- Applications: Semantic Web; Life Sciences; Bio-Ontologies; Natural Language Processing; ontologies of space and time; Ambient Intelligence; collaborative ontology development; etc.

IMPORTANT DATES

Paper Submission: January 29, 2010
Notification: March 1, 2010
Camera ready: March 11, 2010
Workshop day: May 11, 2010

SUBMISSION GUIDELINES

The workshop welcomes submission of high quality original and previously unpublished papers.

Contributions should not exceed 13 pages in length and must be formatted according to IOS Press style (see http://www.iospress.nl/authco/instruction_crc.html).

Contributions should be prepared in PDF format and submitted not later than January 29 2010 through the EasyChair Submission System (see <http://www.easychair.org/conferences/?conf=womo2010>).

Submitted papers will be peer-reviewed by members of the program committee. Accepted papers may be extended up to 16 pages and will be published as chapters in an IOS Press book in the series 'Frontiers in Artificial Intelligence and Applications'.

The authors of accepted papers are also welcome to submit substantially extended versions to a planned special issue on 'Modularity in Ontologies' of the international journal 'Applied Ontology' (IOS Press).

WORKSHOP CO-CHAIRS

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PROGRAM COMMITTEE

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