Workshop on Semantic Software Engineering
in conjunction with
THE 5th IEEE INTERNATIONAL CONFERENCE ON SEMANTIC COMPUTING

Stanford University
Palo Alto, California, USA
September 18-21, 2011

Sponsored by
IEEE CS Technical Committee on Software Engineering
IEEE CS Technical Committee on Semantic Computing

Semantic Computing addresses technologies that derives and uses semantics from content, where "content" may be anything such as video, audio, text, conversation, process, program, device, behavior, etc.

Interdisciplinary (Intra-disciplinary within Computer Society) in nature, the ultimate success of Semantic Computing requires that new, synergized technologies be developed from various areas. The workshop on using semantic technology to enable different tools, methodologies, standards and technologies to improve the reusability, sharing and extensibility of software. Topics of interest include, but are not limited to, the following:

- Visions for semantic driven software modernization
- Tools for software engineering using semantic technology
- Semantic annotations in software engineering
- Natural language and requirements engineering
- Ontologies for requirement engineering, software evolution
- Ontologies for software guidance, traceability and maintenance
- Ontologies for component discovery
- Feature modeling and ontologies
- Ontology-driven software architectures
- Ontology reasoning for software engineering
- Semantic-based intelligent assistance tools for software developers
- Semantic-based knowledge management for software engineering
- Case studies of formal methods and semantic annotation
- Semantic business process modeling

SUBMISSIONS AND REGISTRATION

Authors are invited to submit Regular Papers (8-page technical paper) and Short Papers (4-page technical paper). More information is available on the ICSC 2011 web page. To facilitate intra-disciplinary research, workshop participants will register at a special workshop rate without a full conference registration. Papers accepted by the workshop will be published in the Conference Proceedings published by IEEE Computer Society Press. Distinguished quality papers presented at the workshop will be selected for publication in internationally renowned journals.

IMPORTANT DATES

June 5th, 2011: Regular & Short Paper Submission
June 28th, 2011: Notification Date
July 15th, 2011: Camera-Ready & Registration

ORGANIZING COMMITTEE

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