

Workshop on Semantic Biomedical Computing

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 Bio-Informatics
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 Semantic Biomedical Computing is seeking works of applying semantic computing technologies to life sciences. Topics of interest include, but are not limited to, the following:

- Ontology design and use with semantic biomedical systems
- Semantic systems biology
- Semantic biomedical image analysis
- Semantic biomedical simulation
- Semantic data management and integration
- Semantic data visualization
- Workflow modelling for semantic biomedical systems
- Semantic services for biomedical systems

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

May 28th, 2011: Regular & Short Paper Submission

June 28th, 2011: Notification Date

July 15th, 2011: Camera-Ready & Registration

ORGANIZING COMMITTEE

- Nik Bourbakis, Wright State University
- Xuewen Chen, University of Kansas
- Arif Ghafoor, Purdue University
- Sonia Ramamorrhthy, University of California, San Diego
- Phillip C-Y Sheu, University of California, Irvine