



The Society for Design and Process Science

Transformative Research through Transdisciplinary Means™

SDPS 2011

Hyatt Regency * Jeju Island * South Korea

June 12-16, 2011

Challenging
+ Technical Program

Conference Theme:

**Technology Innovation
Through Transformative Synthesis**

About the Conference

SDPS 2011 brings together researchers and practitioners to present their latest achievements and innovations in the diverse group of disciplines where knowledge relationships are multidimensional, complex, and exploratory. SDPS 2011 is a focal point for **Transformative Science and Engineering** to address these types of problems. SDPS 2011 welcomes proposals for workshops and special sessions. Please submit to sang_suh@tamu-commerce.edu and mtanik@uab.edu. Further information on workshops and sessions can be found in the session guide available from our conference web site: <http://sdps.co> or our main site: <http://sdpsnet.org>.

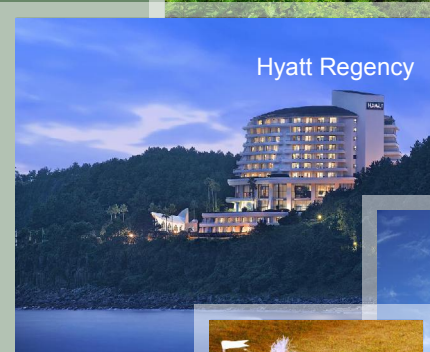
Select Major Topics:

Collective intelligence • Cyber security • Contextual intelligence mining • Risk management • Intelligent medical systems and bioinformatics • Design automation • Innovation and entrepreneurship • Intelligent energy systems • Social engineering • Software engineering • Systems engineering • Network centric systems • Global enterprise/supply chain management • Data mining • Engineering and system software • Computational linguistics • Space systems • Semantic computing

Important Dates:

Paper Submission Deadline • March 4, 2011
Paper Acceptance Notification Date • March 31, 2011
Camera Ready Manuscript Due • April 15, 2011
Early Registration Opens • February 14, 2011.
Early Registration Ends • May 13, 2011.

Exotic
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Web: <http://sdps.info>
Email: admin@sdpsnet.org
Voice: 214-253-9025



Special Track of SDPS 2011

Modeling, Extraction, and Transformation of Semantics in CAE Systems

Jeju Island, Korea, June 12-16, 2011

Dear Colleagues,

It is our pleasure to invite you to submit papers to the special track of SDPS 2011 on Modeling, Extracting, and Transforming Semantics in Computer Aided Engineering Systems.

[We apologize if you receive multiple copies of this CFP. Thank you for your understanding]

CALL FOR PAPERS

The Society for Design and Process Science (SDPS) aims to bring together engineers, scientists, managers, decision makers and organizations to develop solutions for the increasingly complex problems in the global industry and economics.

This special track seeks innovative approaches, methods and algorithms for modeling, extracting, and transforming semantics in computer aided engineering systems. Substantially extended version of selected papers from this special track will be considered in a special issue of an Elsevier journal (subject to final approval).

Topics of interest to this special track include, but are not limited to, the following:

- Representation models of engineering information considering semantics extraction, such as those related to product data models;
- Semantics-rich conceptual models that support engineering tasks, such as cognitive map, topic map, UML, SysML, and FBS;
- Algorithms that extract semantics from various engineering data models/media;
- Semantic knowledge models, reasoning, and management;
- Semantics concept structure integration, transformation, and optimization; and
- Innovative applications in various engineering problems, such as automatic ontology extraction from engineering documents, question asking/answering strategies in design and modeling, product requirements elicitation approaches, and enterprise applications integration.

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SUBMISSION

Conference papers for the session should be submitted through the online conference management system called *ConfTool* (<http://conftool.net/sdps2011>). This system requires a login which is available on the front page by clicking "Register New" (please note this "registration" should not be confused with actual conference registration which is a separate process. "Register New" merely let a user obtain a login to use the *ConfTool* system). There is a simple procedure for submitting a paper to the conference. Once an author has registered, he or she can login, select the item "Your Submissions" and follow the instructions of the page that next appears. This will upload the paper(s) and enter them under the submitter's account.

The format of submitted papers should follow the template given in the link: <http://sdpsnet.org/sdps/>. All papers will be carefully reviewed by at least three reviewers. Accepted papers will be published in the workshop proceedings of the SDPS. Selected papers will be invited to be substantially extended for consideration in a special issue of an Elsevier journal (subject to final approval). At least one of the authors of each accepted paper must register as a full participant of the workshop to have the paper published in the proceedings.

ORGANIZERS

Special Track Co-Chairs:

Dr. Yong Zeng

Professor
Design Lab
Concordia Institute for Information Systems Engineering
Concordia University
Montreal, Quebec, Canada H3G1M8
Email: zeng@ciise.concordia.ca

Dr. Kyoung-Yun Kim

Assistant Professor
Computational Intelligence and Design Informatics Laboratory
Department of Industrial and Manufacturing Engineering
Wayne State University
Detroit, USA
E-mail: kykim@eng.wayne.edu

Dr. Benjamin Fung

Assistant Professor
Computer Security Lab
Concordia Institute for Information Systems Engineering
Concordia University
Montreal, Canada H3G1M8
E-mail: fung@ciise.concordia.ca

Program Committee:

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