

Call for papers

CENT 2012
Collaborative Enterprises 2012 –
Collaborative Development and Engineering
Driving Innovation



in the context of WMSCI 2012, Orlando/FL, USA, 17th – 20th July, 2012

Thematic outline

Innovation is driven by knowledge, perception of and responsiveness to dynamic environments, effectiveness, and the ability to develop and engineer change in a pro-active way. Increasing complexity in business, science, technology, and society adds another crucial factor, that of collaboration. In many respects, collaborative endeavors addressing current and future needs are fundamental for sustainable, innovative solutions.

Most work on collaboration treats the collaborative platform and tool suite, or standards for interoperability and exchange, or short-lived ad hoc collaborations between business enterprises working toward a common goal. However, it is equally important to find models for collaboration in complex, long-lived projects, resulting in complex and evolvable products or self-sustaining communities. These projects often require deeper requirements analysis, risk analysis, and knowledge management; richer collaboration-aware structures and policies; and more complex, complicated, interactive, and intricate interactions between partners and partner-developed components.

Collaborative enterprises build on new modes of collaboration, advanced practices of development, and enhanced processes in engineering. The broad range of collaborative efforts comprises knowledge sharing, user involvement, risk monitoring and management, and interoperability. They are facilitated by inter-enterprise systems and collaborative infrastructures that need to inter-operate not only in the technical sense, but also in that of composite practice and personal interaction.

This symposium seeks to bring together researchers and practitioners who are exploring the definition, engineering and implementation of these infrastructures, the development of methods and tools supporting the related processes, and the composition and application of suitable modes of interaction, as well as the associated benefits, risks and challenges.

Call for papers

We invite high quality papers

(max of 6 pages) to be presented in this symposium:

- Theoretical research papers
- System design and development papers
- Empirical evaluations and case studies
- Verification and validation papers

Submissions should contribute to a substantial, original and previously unpublished research in the topics of the CENT 2012 symposium. These include, but are not limited to:

- Collaborative knowledge generation, communication and management
- Tools and approaches for improved collaboration
- Smart objects in collaborative knowledge management
- Content management and knowledge representation
- Semantic technologies
- Semantic synchronization
- Customer involvement
- Business process mapping
- Knowledge network mapping
- Modeling of inter-enterprise processes
- Interoperability
- Collaborative software development
- Collaboration and the Cloud
- Protection of knowledge and intellectual property
- Collaborative innovation management
- Collaborative risk management
- Trust and reputation in collaborations
- Knowledge network life cycle
- Resolving cultural and linguistic issues
- Collaborative work environments
- Knowledge and information structures

Submission procedure

Extended abstracts (400-2000 words) or Draft papers (2000-5000 words) shall be submitted via the web site <http://www.iiis2012.org/cent>

according to the submission deadlines. Their format must be in accordance with the guidelines given on the WMSCI 2012 conference web site. All submitted papers/extended abstracts will go through a double-blind and a non-blind reviewing process. Authors of the best papers presented at the symposium will be invited to adapt their papers for their publication in the JSCI – Journal of Systemics, Cybernetics and Informatics.

We encourage proposals for invited sessions

to be organized as part and within the scope of this symposium. Details about benefits and responsibilities with organizing an invited session are available on the symposium web site. For Invited Sessions Proposals, please visit that site or go directly to

<http://www.iiis2012.org/cent/organizer.asp>

If you wish to organize an invited session, please contact us by eMail to

Prof. T.J. Marlowe, Seton Hall University
N. Jastroch, MET Communications

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Call for papers

Submission Deadlines

Papers/extended abstracts and

invited session proposal submission: **March 17th, 2012**

Authors notification: **May 23rd, 2012**

Camera ready, final papers submission: **June 13th, 2012**

More Information

about the CENT 2012 Symposium is available on the symposium web site

<http://www.iis2012.org/cent>

about the 16th World Multi-Conference on Systemics, Cybernetics and Informatics WMSCI 2012 can be found on the conference web site

<http://www.iis2012.org/wmsci>

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