

<http://www.smc2014.org/>

Special Session Call for Papers

SMC2014 Special Session on **Collaborative Technologies and Applications**

Special Session organizer

Dr. Chun Wang

Concordia Institute for
Information Systems
Engineering,
Concordia University
Montreal, Quebec, Canada

Email:

cwang@ciise.concordia.ca

Co-organizer(s):

Dr. Xiaoping Li

Southeast University
Nanjing, China

Email: xpli@seu.edu.cn

Dr. Yingguang Li

Nanjing University of
Aeronautics and Astronautics,
Nanjing, China

Email: welcome.li@nuaa.edu.cn

Dr. Weiming Shen

National Research Council
Canada

E-mail:

weiming.shen@nrc.gc.ca

Introduction/Call for Papers

Collaborative manufacturing and supply chains find their root in the need to develop efficient and adaptive production and distribution systems that can simultaneously meet the expectations of ever changing market demand and recover from disturbances. The development of such systems has taken different directions and different forms that, however, unanimously lead to the design of cooperative autonomous production / distribution entities. Because of their ability to make autonomous and rational decisions, to sense and adapt to their environment and to communicate, software agents are well suited to implement the basic entities of collaborative manufacturing and supply chain management systems characterized by their decentralized and networked decision making structures. Furthermore, the development of multi-agent systems in manufacturing and supply chains provide system designers with a technology that can deal with incomplete, uncertain and dynamic information environments that characterize manufacturing and supply chain systems.

Indicative Topics/Areas

- Agent-based negotiation, collaboration and conflict resolution in production and supply chain management;
- Cloud Manufacturing;
- Collaborative distributed systems for service chains in transportation, healthcare and governments;
- Collaborative manufacturing process planning and scheduling;
- Collaborative Virtual Enterprises;
- Distributed decision making in product design and manufacturing;
- Enterprise information integration and collaboration;
- Multi-agent systems for manufacturing, logistics and supply chains.

Important Dates

April 7, 2014: Deadline for submission of full-length papers to special sessions.

May 25, 2014: Acceptance/Rejection Notification.

July 9, 2014: Final camera-ready papers due in electronic form.

Submission

Manuscripts for a Special Session should **NOT** be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2014 main conference online submission system on SMC 2014 conference website.

All submitted papers of Special Sessions have to undergo the same review process (three completed reviews per paper). The technical reviewers for each Special Session paper will be members of the SMC 2014 Program Committee and qualified peer-reviewers to be nominated by the Special Session organizers.

Organized by IEEE SMC TC on Computer Supported Cooperative Work in Design (CSCWD).