

Call for Papers

IEEE Transactions on Systems, Man, and Cybernetics (SMC) Part C: Applications & Reviews

Special Issue on Systems Integration and Collaboration in Design, Manufacturing, Construction, and Services

With the rapid advancement of information and communication technologies, particularly Internet and Web-based technologies during the past fifteen years, various systems integration and collaboration technologies have been developed and deployed to different application domains, including engineering design, manufacturing, construction, and services. These technologies provide a consistent set of solutions to support the collaborative creation, management, dissemination, and use of information through the entire product and project lifecycle, and further to integrate people, processes, business systems, and information more effectively. This special issue is aimed at reviewing the state-of-the-art researches and applications, addressing the major challenges and issues of developing and applying systems integration and collaboration technologies in engineering design, manufacturing, construction, and services. Topics of interest include, but are not limited to:

- Agent-based systems integration and collaboration
- Collaborative commerce and e-businesses
- Collaborative conflict management
- Collaborative decision support systems
- Collaborative planning, scheduling, and project management
- Collaborative product lifecycle management
- Collaborative supply chain management
- Collaborative virtual workspaces and applications in industry
- Collaborative wireless sensor networks and industrial applications
- Collaborative workflow management systems
- Communication, coordination, integration and interoperation strategies of collaborative systems
- Mobile collaboration and applications in manufacturing, constructions, and services
- Ontology and Semantic Web for systems integration in collaborative engineering applications
- Service-based approaches for systems integration and collaboration
- Trust, security, and privacy in collaborative engineering applications

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All manuscripts should be submitted electronically to the IEEE SMCC Electronic Submission System/Manuscript Central at <http://mc.manuscriptcentral.com/smcc-ieee>. The authors should put the following sentence in the “Cover Letter to Editor-in-Chief” section: “This manuscript is submitted for the Special Issue on Collaboration in Design, Manufacturing, Construction, and Services (editors: W. Shen, M. Borges, J.P. Barthes, and J. Luo)”. For detailed submission information, please refer to “Information for Authors” at <http://www.ieee-smc.org/publications/index.html>