



CALL FOR PAPERS

Future Generation Computer Systems (FGCS)
The International Journal of Grid Computing and eScience
Editor-in-Chief: Peter Sloot
Elsevier
<http://www.elsevier.com/locate/fgcs>

Special Issue on Advances in Computer Supported Collaboration Technologies and Systems

Abstract Submission Deadline: October 10, 2011
Full Manuscript Submission Deadline: January 09, 2012

SCOPE AND OBJECTIVES

Providing computer supported collaboration remains a challenging multi disciplinary task despite impressive advances in the field over the past three decades. During the past decade, computer supported collaboration became a more feasible and practical reality, especially with the introduction of Web 2.0 technologies and high performance pervasive networks, and more recently clouds. As these and other technologies become widely employed, we expect new capabilities and forms of collaboration to appear. This special issue addresses a broad spectrum of methodologies and technologies, including ethnographically-based or field-based experiences, that relate to cooperation, coordination, communication, and collaboration at both the client and backend (cloud) levels. It invites contributions aimed at a wide range of topics such as sensors, people, clouds, robots and social networks, e-learning, e-business, e-health, emergency response, knowledge management, decision making and support, global grids, P2P, multi-agent systems, trust and cyber security, mobile clients, Web 2.0, virtual environments, ubiquitous collaboration, user interfaces and related human and socio-technical collaboration issues.

The organizers of the 2011 International Conference on Collaboration and Technologies (CTS 2011 - <http://cts2011.cisedu.info/>) are pleased to announce a special journal issue that will be published in Elsevier's *Future Generation Computer Systems*. The special issue on "Advances in Computer Supported Collaboration Technologies and Systems" seeks submissions from academia, industry and governmental research labs presenting novel research on all theoretical and practical aspects of computer supported collaboration, as well as case studies, tools and platforms, and implementation experiences. Papers should have practical relevance to the construction, evaluation, application, or operation of collaboration systems. The scope of this special issue will be interdisciplinary, involving contributions from experts in the areas of collaboration infrastructure, human systems, collaborative work processes, cooperation and coordination, and various domain applications with collaboration.

The Special Issue topics include (but are not limited to) the following:

- Frameworks and Methodologies for Collaboration
- Collaboration Enabling Technologies
- Architectures & Design of Collaboration Systems
- Platforms, Artifacts and Tools for Collaboration
- Coordination and Cooperation Mechanisms
- Interfaces for Collaborative Work
- Intelligent, Autonomous and Multi Agents in Collaboration
- Collaborative Enterprise Security & Access Control
- Role-based Models and Solutions
- Simulation of Collaboration Systems
- Cognitive and Psychological Issues in Collaboration
- Virtual Communities and Communities of Practice
- Group Characteristics and Social Factors
- Distributed Team Management and Issues
- Distributed Shared Design and Development
- Ontologies and Ethnographic Approaches
- Human-machine Collaboration and Interaction
- Awareness in Collaboration Systems
- Contextual and Situation-based Collaboration
- Visualization of Collaborative Processes & Applications
- Collaboration and Cloud Computing
- Grid-based Collaboration Environments
- Web Infrastructure for Collaborative Applications
- Service Oriented Architectures for Collaboration
- Social Multimedia and Social Networks
- Mobile and Wireless Collaboration Systems
- Collaborative & Trustworthy Sensor Systems
- Socio-Technical Information Spaces
- Information Sharing, Exchange and Fusion in CE
- Collaborative Knowledge Management
- Collaborative Decision Making and Support
- Security in Untrusted & Adversarial Collaborative Environments and Systems
- Business Networking
- Workflows in Collaborative Operations & Systems
- Shared Virtual Reality and Applications
- Collaborative Machines and Robots
- Collaborative Learning and e-Science
- Collaboration and Shared Planning and Logistics
- Tele- and Collaborative Medicine and Healthcare
- Collaboration in Emergency Management and Response

PAPER SUBMISSIONS

Interested authors should send a one- to two-page abstract with title, authors, affiliations, emails and contact information, and a statement of their intent to submit an extended version of their CTS 2011 paper or a new manuscript to this special issue by the due date. In case of an extended version, please indicate clearly where the original work was published or presented. The abstract should be sent as an email attachment to the Special Issue Guest Editors by **October 10, 2011**. Guest Editors replies to authors will be sent by **October 24, 2011**. Only manuscripts of approved abstracts will be considered.

Submitted manuscripts must not have been published or simultaneously submitted/under consideration elsewhere. The submitted papers must represent a substantial extension of work presented at the conference (at least by 30%), and should include previously unpublished material that adds new insight and significant content well beyond that in the published proceedings. Submission should include a cover page with authors' names, affiliation addresses, fax numbers, phone numbers, and authors email addresses. Please, indicate clearly the corresponding author(s) and include up to 6 keywords from the above list of topics and an abstract of no more than 400 words. Please include page numbers on all submissions to make it easier for reviewers to provide helpful comments.

Please register at the Journal's editorial handling system (EES) <http://ees.elsevier.com/fgcs/>, if you have not yet used the system, select Author Log-in, and upload editable source files for manuscript (Word, LaTeX, ...) and figures, mentioning that the paper is part of the special section *Advances in Computer Supported Collaboration Technologies and Systems*. Please choose the Article Type "**SS: Collaboration-CTS2011-WaleedSmari**". The system will then prepare a pdf for approval. When the "approval" button is clicked, the paper will be submitted.

Regarding format: On the journal homepage www.elsevier.com/locate/fgcs, there is a *Guide for Authors* providing instructions and requirements for papers. There is no journal template, and we prefer to have no elaborate lay-out as that will be removed anyway. We do require however the submission of author biographies and photographs. An elementary structure of title, author names, affiliations, contact information, abstract, text, references, figure captions, figures would be sufficient. The number of pages of the submitted paper should be related to the content of the paper: superfluous material is to be avoided.

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If you encounter any problems in the use of the online system, please do not hesitate to contact authorsupport@elsevier.com. Elsevier support department can also answer e-submission system queries by telephone: For The Americas: +1 888 834 7287 (toll-free for US & Canadian customers); For Asia & Pacific: +81 3 5561 5032; For Europe & rest of the world: +353 61 709190.

Submitted papers will receive thorough reviews and evaluation. Papers will be selected based on their originality, contributions, technical clarity and presentation, language, significance to the readership of the journal, relevance to the special issue, and quality and significance of research hypothesis, assertions, and conclusions.

IMPORTANT DATES (Subject to Change)

Abstract Submission: -----	October 10, 2011
Guest Editors Reply: -----	October 24, 2011
Paper Submissions: -----	January 09, 2012
1st Notifications and Reviewers Comments: -----	February 29, 2012
1st Revision Submission: -----	March 29, 2012
2nd Notifications and Reviewers Comments: -----	May 29, 2012
2nd Revision Submission: -----	June 29, 2012
Revised Final Manuscripts: -----	July 29, 2012

Accepted papers are expected to appear in the 4th Quarter of 2012 (Tentative).

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If you have any questions about abstract and paper submission or the special issue, please contact the Guest Editors.