

Call for Papers

Future Generation Computer Systems *The International Journal of eScience*

Special Issue on “Advanced Technologies and Systems for collaboration”

Abstract Submission Deadline: March 15, 2017
Full Manuscript Submission Deadline: April 24, 2017

SCOPE AND OBJECTIVES

With the high development of Web technologies, pervasive and ubiquitous systems and networks, and highly distributed computing systems, and the availability of massive amounts of data have been changing the field of computer supported collaboration, particularly with the emergence of new capabilities and forms of collaboration, as well as new challenges and issues.

The organizers of the International Conference on Collaboration Technologies and Systems (CTS) are pleased to announce a special journal issue that will be published in *Future Generation Computer Systems* (<https://www.journals.elsevier.com/future-generation-computer-systems/>). This special issue seeks contributions from academia, industry and governmental research labs on 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, multi-agent systems, trust and cyber security, mobile clients, Web 2.0, virtual environments, visualization, ubiquitous collaboration, user interfaces and related human and socio-technical collaboration issues that will provide a big picture of present and future trends in collaboration in the “internet era.”

Topics of interest include but are not limited to:

<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Grid and Cloud-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
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<ul style="list-style-type: none"> • 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 • Privacy-preserving Collaboration 	<ul style="list-style-type: none"> • Information Sharing, Exchange and Fusion in Collaborative Environments • 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, Crowd Science • Collaborative Open Innovation • Collaboration and Shared Planning and Logistics • Tele- and Collaborative Medicine and Healthcare • Collaboration in Emergency Management and Response
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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 a new manuscript or an extended version of their CTS paper 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 using the email cts16si@gmail.com, by **March 15, 2017**. Guest Editors replies to authors will be sent by **March 23, 2017**. Only manuscripts of approved abstracts will be considered.

The submitted papers must be original and must not be under consideration in any other venue. This Special Issue is open to all potential contributors on the topics listed above. We additionally invite contributors of the 2016 International Conference on Collaboration Technologies and Systems to submit an extended version of their work. In this case, there must be sufficient difference between work previously reported in conference paper and the version submitted to the Journal for the two works to be seen as separate works. As a rule of thumb, the journal version must be updated by 30% or more (e.g., extended methodology, more research results, new figures and or tables, etc.) and, hence, have a new title.

Papers must be submitted via <https://www.evise.com/profile/#/FGCS/login>. Please register at the Journal's editorial handling system (EVISE) if you have not yet used the system. Please choose the Article Type "**SI: CTS2016**".

Manuscripts should not exceed 20 pages in length (12 point single space, single-column, inclusive of figures and tables) and must be prepared for publication according to the journal's instructions <https://www.elsevier.com/journals/future-generation-computer-systems/0167-739X/guide-for-authors>.

Authors are recommended to use the Elsevier LaTeX class (<http://www.ctan.org/tex-archive/macros/latex/contrib/elsarticle>) to prepare the manuscript. The number of pages of the submitted paper should be related to the content of the paper: superfluous material is to be avoided.

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:

Abstract Submission deadline: ----- March 15, 2017
Guest Editors Reply: ----- March 23, 2017
Paper submission due -----April 24, 2017
Completion of first round of reviews: -----July 23, 2017
Revised first round manuscript due: ----- August 23, 2017
Completion of second round of reviews: ----- October 22, 2017
Revised second round manuscript: ----- November 21, 2017
Final decision notification: ----- December 15, 2017
Final version of the manuscript due: ----- December 30, 2017
Expected publication date ----- Spring 2018 (tentative)

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If you have any questions about abstract and paper submission or the special issue, please contact the Guest Editors to cts16si@gmail.com