



## Call for Papers

***Concurrency and Computation: Practice and Experience (CCPE)***

***Editor-in-Chief: Geoffrey C. Fox and David W. Walker***

***Wiley***

**Special Issue on “Trends and Advances in Collaboration Technologies and Systems”**

**Abstract Submission Deadline: January 10, 2016**

**Full Manuscript Submission Deadline: March 01, 2016**

### **SCOPE AND OBJECTIVES**

The introduction of Web 2.0 technologies, pervasive and ubiquitous systems and networks, and highly distributed computing systems, and the availability of huge 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 Wiley’s *Concurrency and Computation: Practice & Experience (CCPE) Journal* (<http://www.cc-pe.net/journalinfo/>). 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, 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"><li>• Frameworks and Methodologies for Collaboration</li><li>• Collaboration Enabling Technologies</li><li>• Architectures &amp; Design of Collaboration Systems</li><li>• Platforms, Artifacts and Tools for Collaboration</li><li>• Coordination and Cooperation Mechanisms</li><li>• Interfaces for Collaborative Work</li><li>• Intelligent, Autonomous and Multi Agents in Collaboration</li><li>• Collaborative Enterprise Security &amp; Access Control</li><li>• Role-based Models and Solutions</li><li>• Simulation of Collaboration Systems</li><li>• Cognitive and Psychological Issues in Collaboration</li><li>• Virtual Communities and Communities of Practice</li><li>• Group Characteristics and Social Factors</li><li>• Distributed Team Management and Issues</li><li>• Distributed Shared Design and Development</li><li>• Ontologies and Ethnographic Approaches</li><li>• Human-machine Collaboration and Interaction</li></ul>	<ul style="list-style-type: none"><li>• Grid and Cloud-based Collaboration Environments</li><li>• Web Infrastructure for Collaborative Applications</li><li>• Service Oriented Architectures for Collaboration</li><li>• Social Multimedia and Social Networks</li><li>• Mobile and Wireless Collaboration Systems</li><li>• Collaborative &amp; Trustworthy Sensor Systems</li><li>• Socio-Technical Information Spaces</li><li>• Information Sharing, Exchange and Fusion in Collaborative Environments</li><li>• Collaborative Knowledge Management</li><li>• Collaborative Decision Making and Support</li><li>• Security in Untrusted &amp; Adversarial Collaborative Environments and Systems</li><li>• Business Networking</li><li>• Workflows in Collaborative Operations &amp; Systems</li><li>• Shared Virtual Reality and Applications</li><li>• Collaborative Machines and Robots</li><li>• Collaborative Learning and e-Science, Crowd Science</li></ul>
---	---

<ul style="list-style-type: none"> <li>• Awareness in Collaboration Systems</li> <li>• Contextual and Situation-based Collaboration</li> <li>• Visualization of Collaborative Processes &amp; Applications</li> <li>• Privacy-preserving Collaboration</li> </ul>	<ul style="list-style-type: none"> <li>• Collaborative Open Innovation</li> <li>• Collaboration and Shared Planning and Logistics</li> <li>• Tele- and Collaborative Medicine and Healthcare</li> <li>• Collaboration in Emergency Management and Response</li> </ul>
---	---

**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 by **January 10, 2016**. We do require the submission of author biographies and photographs. Guest Editors replies to authors will be sent by **January 30, 2016**. 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 2014/2015 International Conference on Collaboration Technologies and Systems to submit an extended version of their work. Papers should be submitted via Manuscript Central at <https://mc.manuscriptcentral.com/cpe> as “TA\_CTS” with a cover letter including also the statement “This manuscript is submitted for the special issue on *Trends and Advances in Collaboration Technologies and Systems*”. For extended papers, this must also be explicitly indicated in the cover letter, with a clear description of the new, unpublished material included (at least by 30%) that adds new insight and significant content well beyond that in the published proceedings. Manuscripts should not exceed 20 pages in length (12 point single space, inclusive of figures and tables) and must be prepared for publication according to the journal’s template. A guide for authors, templates and samples for submitting papers is available at the journal’s [Submission Guidelines](#). The number of pages of the submitted paper should be related to the content of the paper: superfluous material is to be avoided. Please submit in Latex or Word. A [LaTeX template](#) is available for LaTeX users.

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: -----	January 10, 2016
Guest Editors Reply: -----	January 30, 2016
Paper submission due date: -----	March 01, 2016
Completion of first round of reviews: -----	June 01, 2016
Revised manuscript due date: -----	July 15, 2016
Final decision notification: -----	September 15, 2016
Final version of the manuscript due: -----	October 15, 2016
Expected publication date -----	Early 2017 (tentative)

**Guest Editors:**

- Claudia Diamantini*, Università Politecnica delle Marche, Italy, [c.diamantini@univpm.it](mailto:c.diamantini@univpm.it)
- Xiaoqing “Frank” Liu*, University of Arkansas, USA, [frankliu@uark.edu](mailto:frankliu@uark.edu)
- Mads Nygård*, Norwegian University of Science and Technology, Norway, [mads@idi.ntnu.no](mailto:mads@idi.ntnu.no)
- Waleed W. Smari*, Ball Aerospace & Technologies Corp., Ohio, USA, [smari@arys.org](mailto:smari@arys.org)

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