

**Highlights:**

- The event is endorsed by the European Alliance for Innovation, a leading community-based organisation devoted to the advancement of innovation in the field of ICT
- Inclusion in IEEE explore
- Best paper and Best Student paper awards
- Student travel supports (up to 10 confirmed)

Over the last two decades, many organizations and individuals have relied on electronic collaboration between distributed teams of humans, computer applications, and/or autonomous robots to achieve higher productivity and produce joint products that would have been impossible to develop without the contributions of multiple collaborators. Technology has evolved from standalone tools, to open systems supporting collaboration in multi-organizational settings, and from general purpose tools to specialized collaboration grids. Future collaboration solutions that fully realize the promises of electronic collaboration require advancements in networking, technology and systems, user interfaces and interaction paradigms, and interoperation with application-specific components and tools.

The eighth International Conference on Collaborative Computing (CollaborateCom 2012) will continue to serve as a premier international forum for discussion among academic and industrial researchers, practitioners, and students interested in collaborative networking, technology and systems, and applications.

**Topics of interest include, but are not limited to:**

- Architectures, protocols, and enabling technologies for collaborative computing networks and systems
- Autonomic computing and quality of services in collaborative networks, systems, and applications
- Collaboration in pervasive and cloud computing environments
- Collaboration in data-intensive scientific discovery
- Collaboration in health-care environments
- Collaborative e-education, e-learning, and collaborative computing in large scale digital libraries
- Collaborative mobile networks and infrastructures
- Collaborative technologies for fast creation and deployment of new mobile services
- Collaborative, location-aware mobile systems/applications
- Collaboration techniques in data-intensive computing and cloud computing
- Collaborative sensor networks, unmanned air and ground vehicle networks & applications
- Collaborative, context-aware infrastructure
- Collaborative social networks & web-based collaboration
- Computer supported collaborative work with distributed systems
- Distributed collaborative workflows
- Data management and middleware support for collaborative information systems
- Energy management for collaborative networks
- Group-driven composition of systems from components
- Human-robot collaboration
- Human-centric ubiquitous collaboration
- Methodologies and tools for design and analysis of collaborative user applications
- Models & mechanisms for real-time collaboration
- Multi-agent technology and software technologies for collaborative networking and applications
- Peer-to-peer and overlay networks, systems, & applications
- P2P platforms for supporting collaboration
- Security, privacy and trust management in collaborative networks, systems, and applications
- Simulation, performance evaluation, experiments, and case studies of collaborative networks and applications
- Software design, testing, and experimentation technology for collaborative networking and applications
- Theoretical foundations and algorithms for collaborative networks, applications, and worksharing
- Tools for collaborative decision making processes
- Trustworthy collaborative business processing in virtual organizations
- Visualization techniques, interaction devices and visual languages for collaborative networks and applications
- Web services technologies and service-oriented architectures for collaborative networking and applications
- Workflow management for collaborative networks/systems

We invite original research papers that have not been previously published and are not currently under review for publication elsewhere. Contributions addressing all areas related to collaborative networking, technology and systems, and applications are solicited. The submitted manuscript should closely reflect the final paper as it will appear in the Proceedings. Submitted papers should be 10 pages in two-column IEEE proceeding format. The papers can be submitted in regular track or Industry/Application track

**IMPORTANT DATES:**

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| Workshop and tutorial proposal deadline:<br><b>15th April 2012</b> | Notification of Acceptance:<br><b>17th August 2012</b> |
| Paper Submission deadline:<br><b>22th June 2012</b>                | Camera Ready:<br><b>31st August 2012</b>               |
| Posters and panel proposal deadline:<br><b>29th June 2012</b>      |  |

**Paper submission:** All paper, poster, panel, and workshop submissions will be handled electronically. Please visit the conference website [www.CollaborateCom.org](http://www.CollaborateCom.org) for detailed submission requirements and procedures.

**Publications:** All submitted papers and posters will be rigorously reviewed. All accepted papers will be made available in IEEE Xplore and other external indexing services (DBLP database, ZB1Math/CompuServe, IO-Port, EI, Scopus, INSPEC, ISI proceeding - pending approval). Approval is being granted for a special issue on CollaborateCom'12 to be published in International Journal of Cooperative Information Systems (IJCIS) and ACM/Springer MOBILE NETWORKS & APPLICATIONS (MONET). **Posters:** The conference will include a poster session that highlights recent and on-going research, experiments, and provocative ideas that have not been published elsewhere. Poster submissions will be reviewed and one page summaries of accepted posters will appear in the conference proceedings.

**Workshops proposals:** Proposals for half-day or full day workshops that focus on CollaborateCom 2012 related themes are solicited. Workshop proposals should be at most five pages, including a biographical sketch of each instructor, and submitted to the Workshop Chairs. Proposals will be evaluated based on the expertise and experience of the organizers and the relevance and importance of the subject matter. Please refer to call for workshop proposals for details.

**Panels proposals:** Proposals for panel discussions that focus on future visions for collaborative networking, applications, and worksharing are preferred. Potential panel organizers should submit a panel proposal of at most five pages, including biographical sketches of the proposed panellists to the Panel Chairs.

**Tutorial proposals:** Proposals for full and half-day tutorials are solicited. Tutorials are intended to enhance the technical program, and as such they should be relevant to collaborative computing, networking, worksharing, and applications. Potential tutorial presenters should submit a tutorial proposal of at most three pages, including: description of potential audience and background knowledge expected from the audience, if any; tutorial description; biographical sketch of presenter(s).

**Supported by: University of Pittsburgh, USA and CSIRO, Australia**

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