

Preface

Over the past 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 CollaborateCom 2016 conference series is a major venue in which to present the successful efforts to address the challenges presented by collaborative networking, technology and systems, and applications. This year's conference continued with several of the changes made for CollaborateCom 2015, and its topics of interest include, but are not limited to: participatory sensing, crowdsourcing, and citizen science; 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 social media; big data and spatio-temporal data in collaborative environments/systems; collaboration techniques in data-intensive computing and cloud computing.

Overall, CollaborateCom 2016 received a record 116 paper submissions, up slightly from 2015 and continuing the growth compared with other years. All papers were rigorously reviewed, with all papers receiving at least three and many four or more reviews with substantive comments. After an on-line discussion process, we accepted 43 technical track papers and 33 industry track papers, three papers for the Multivariate Big Data Collaborations Workshop and two papers for the Social Network Analysis Workshop. ACM/Springer CollaborateCom 2016 continued the level of technical excellence that recent CollaborateCom conferences have established and upon which we expect future ones to expand.

This level of technical achievement would not be possible without the invaluable efforts of many others. My sincere appreciation is extended first to the area chairs, who made my role easy. I also thank the many Program Committee members, as well as their subreviewers, who contributed many hours for their reviews and discussions, without which we could not have realized our vision of technical excellence. Further, I thank the CollaborateCom 2016 Conference Committee, who provided invaluable assistance in the paper-review process and various other places that a successful conference requires. Finally, and most of all, the entire committee acknowledges the contributions of the authors who submitted their high-quality work, for without community support the conference would not happen.

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