Message from the Program Committee Co-Chairs

It is our great pleasure to welcome you to the IEEE International Conference on Cloud Engineering 2016 (IC2E 2016). This year marks the fourth edition of the conference, which first started in 2013 and since then has evolved into a high-quality and comprehensive forum that focuses on the development of cloud computing, infrastructures and applications, and where researchers and practitioners exchange knowledge on engineering principles, enabling technologies, and practical experiences related to cloud computing. By bringing together experts that work at different levels of the cloud stack - systems, storage, networking, platforms, databases, and applications, IC2E offers an end-to-end view on the challenges and technologies in cloud computing, fosters research that addresses the interaction between different layers of the stack, and ultimately helps shape the future of cloud-transformed businesses and society.

This year the conference received 91 abstracts, which resulted in 73 paper submissions (54 long research papers and 19 short papers) with authors from 24 countries spanning five continents (Americas: 41%, Europe: 36%, Asia: 19%, Africa: 2%, Oceania: 2%), on all of the conference topics, with a particular focus on “cloud applications and services” (37 submissions), "resource management and optimization in the cloud" (34 submissions), “performance, dependability, and service level agreements” (20 submissions), “cloud security, privacy, compliance, and trust” (15 submissions), and "Big data management, platforms and analytics” (14 submissions).

Each paper received an average of 3.5 reviews from the 57 PC members, aided by 7 external reviewers. All submissions were discussed in depth during a 7-day on-line PC meeting. The papers were evaluated with respect to their originality, technical merit, presentation quality, and relevance to the conference themes. In total, 17 papers have been accepted (acceptance rate: 23%): 16 research papers and 1 short paper.

The selected papers represent the latest results both in traditional areas as well as new directions. Big data processing, cloud security and privacy, energy management in cloud data centers are some of the vanguard areas this year. In addition, traditional topics are also well represented, such as cloud applications and services, and cloud programming models, benchmarks, and tools.

This year, the IC2E 2016 conference is honored to host three prestigious keynote speakers: Gustavo Alonso from ETH (Switzerland), Roger Barga from Amazon Web Services (USA), and Jon Crowcroft from the University of Cambridge (UK), as well as an invited talk by Ian Foster from the University of Chicago (USA).

In addition to the conference research track, the conference features a new work-in-progress (WIP) session, a poster session, and a range of exciting workshops.

The IC2E 2016 conference would not have been possible without the help and dedication of a large team of volunteers, and the help of the research and industrial community at large. We would like to thank the authors who submitted their work and all the PC members and reviewers
who worked very hard to create this program. We would also like to express our deepest gratitude to Geoffrey Fox and Stefan Tai, the 2016 General Chairs, for their dedication and advice. We are deeply indebted to Sonia Ben Mokhtar, the 2016 Proceedings Chair, for her efficient help and sense of a timely schedule, and to Jacob Eberhardt, the Web Chair, for keeping the conference web site up-to-date. Special thanks are also due to the Publicity Co-Chairs, Ali Kanso and Ningfang Mi, for their efforts in promoting the conference. Finally, we wish to extend our heartfelt gratitude to the rest of the Organization and Steering Committees, whose actions and help have been instrumental in setting up IC2E 2016.

January 20, 2016

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