

## Message from the UCC 2011 General Co-Chairs

We are pleased to welcome you to the 4th IEEE/ACM International Conference on Utility and Cloud Computing (UCC 2011), sponsored by the IEEE Computer Society and the Association for Computing Machinery (ACM), USA.

Computing is being transformed to a model consisting of services that are commoditized and delivered in a manner similar to traditional utilities such as water, electricity, gas, and telephony. In such a model, users access services based on their requirements without regard to where the services are hosted or how they are delivered. Several computing paradigms have promised to deliver this utility computing vision and Cloud computing is the most recent kid in the block, which is on its way to make the vision of “computing utilities” a reality.

To provide a dedicated forum for sharing recent R&D advances and industrial innovations in the area of Utility Computing, UCC—International Conference on Utility and Cloud Computing—series has been initiated. This conference series has emerged out of several successful Cloud computing events (Cloud 2009 held in Shanghai, China; Cloud 2010 held in Melbourne, Australia; and UCC 2010 held in Chennai, India). UCC 2011, as the 4th event in the series, focuses on principles, paradigms, and applications of Utility Computing and its practical realization in industry, especially in the form of Cloud Computing.

UCC is an important conference for the international community as it provides a forum for Utility and Cloud Computing researchers, service providers, developers, users, and those who want to become aware of the progresses made in these areas.

The UCC 2011 conference is hosted as an independent event for the first time. The city of Melbourne, as the 2011 world’s most-livable city in the world, is the perfect location for convening internationally renowned leaders from academia, government, and industry to present their work. We are pleased with the response we received from researchers, developers, and users of Cloud Computing technologies and applications from all over the world. The technical program is simply outstanding.

UCC 2011 is extremely fortunate to feature keynotes and invited talks from leading researchers from Australia, Europe, and United States. The three invited speakers are: Professor Manish Parashar (Rutgers: The State University of New Jersey, USA); Professor Albert Zomaya (The University of Sydney, Australia); and Dr. Wolfgang Gentzsch (Distributed European Initiative for Supercomputing Applications, Germany). The two industry speakers are: Geng Lin (Dell Inc., USA) and Dr. Dimitrios Georgakopoulos (CSIRO, Canberra, Australia).

The continued success of UCC requires dedicated and high standard efforts from numerous international volunteers. We would like to express our sincere gratitude to the members of the Steering Committee and the Program Committee chaired by Professor Shrideep Pallickara (Colorado State University) and Professor Geoffrey Charles Fox (Indiana University). They have managed peer-reviews of all submitted full papers and selected top quality research papers for presentation at the conference.

The UCC 2011 conference received 127 submissions from 32 countries around the world: Australia, Austria, Brazil, Canada, China, Egypt, Estonia, France, Germany, India, Israel, Italy, Japan, Korea, Malaysia, Mexico, Morocco, Netherlands, New Zealand, Pakistan, Romania, Russia, Saudi Arabia, Singapore, Spain, Sudan, Sweden, Taiwan, United Arab Emirates, United Kingdom, United States, and Vietnam. After peer-reviewing all the submissions, the Program Committee accepted 34 top quality works as full papers, resulting in an acceptance rate of ~26%. The conference also accepted 8 submissions as short papers.

We thank Dr. Mukaddim Pathan and Professor Omer Rana for coordinating the organisation of 5 satellite workshops on hot topics such as Privacy and Provenance in the Cloud and Scientific Applications on Clouds. We appreciate the efforts of the chairs of various workshops and their PC members for attracting and selecting top quality papers for presentation at the conference.

We thank Dr. Pavan Balaji and Dr. Rajiv Ranjan for organizing and managing the poster session, Dr. Suraj Pandey and Dr. Rodrigo Calheiros for the excellent management of the conference website and local organization, and publicity coordinators, Dr. Masoud Sadjadi, Dr. Carlos Becker, A.B.M. Russel, and Dr. Jose Luis Vazquez-Poletti, for helping us to reach a broader community. We thank Bob Werner for his support in the publication of the conference proceedings in record time.

As we all know, the local arrangements are a key aspect of any event. We would like to offer our special appreciation to leading volunteers of local organizing committee members, Suraj Pandey and Karthik Sukumar, and all other CLOUDS Lab members for their dedicated support in hosting UCC 2011. We thank Kim Stevenson for managing registrations and Dushy Wanigatunga for his friendly services as Conventions Manager of The Langham Hotel.

Thanks are also due to our sponsors, namely, IEEE, ACM, and TCSC (Technical Committee on Scalable Computing), and organization supporters Melbourne University's CLOUDS Lab, Manjrasoft, CSIRO, and Dell. We also like to thank HPCWire, our media sponsor, and Manjrasoft for sponsoring awards.

Ultimately, the success of the conference will be judged by how well the delegates have participated, learnt, interacted, and established contacts with other researchers in their relevant fields. The Committees and the sponsors have provided the funding, the venue, and the environment to allow these objectives to be achieved. It is now up to all of us to ensure that the conference is an outstanding success.

Finally, we wish everyone a successful, stimulating and rewarding meeting and look forward to seeing you again in future editions of UCC.

Enjoy your visit to the multicultural Melbourne and to the beautiful Australia!



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