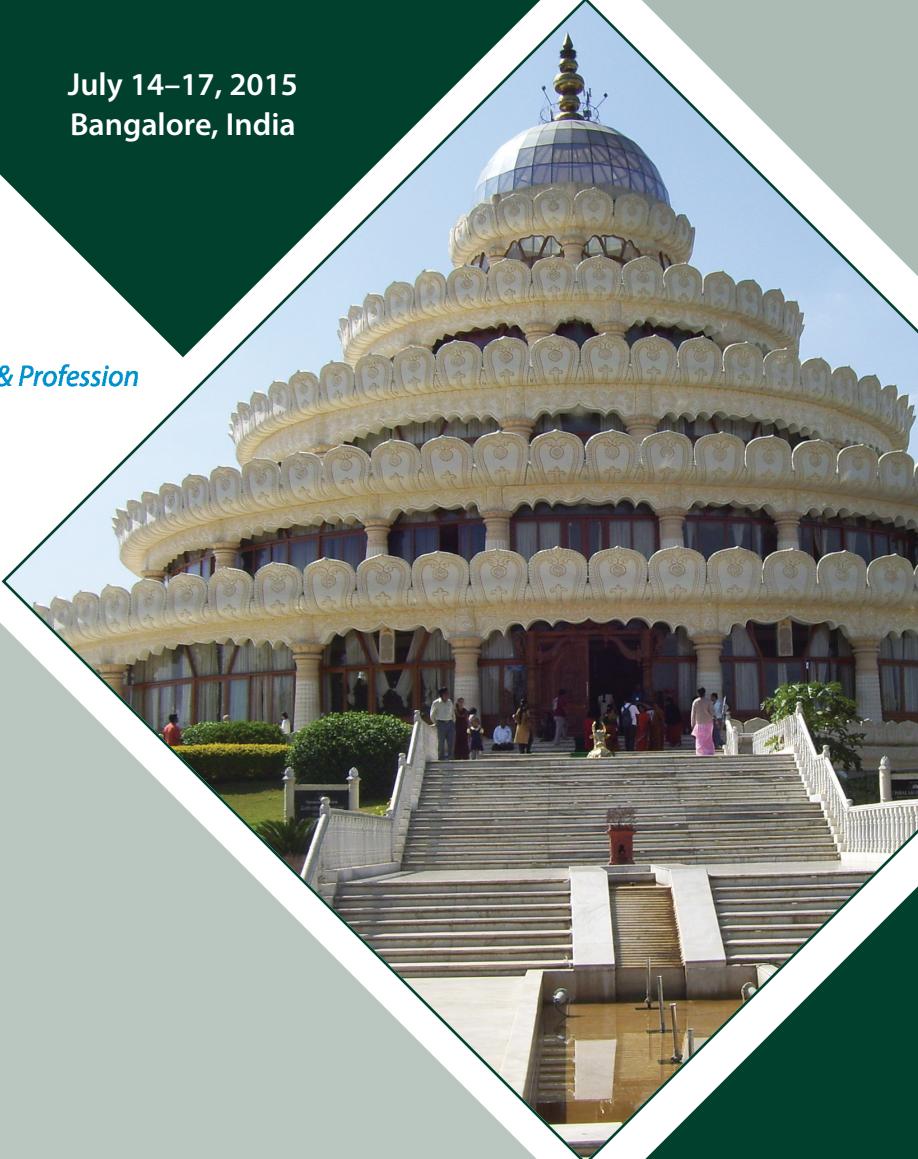


July 14–17, 2015  
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# e-Energy'15

Proceedings of the 2015 ACM Sixth International Conference on  
Future Energy Systems

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# ACM e-Energy 2015 Chairs' Welcome

These are the proceedings of the Sixth ACM International Conference on Future Energy Systems (ACM e-Energy 2015) hosted, for the first time in Asia, in Bangalore from July 15-17, 2015. The conference aims to be the premier venue for researchers working in the broad areas of computing and communication for smart energy systems, and in energy-efficient computing and communication systems.

Overall, over 85 papers were submitted to the regular and challenge tracks as well as 12 to the poster/demo track. The acceptance rate of the conference to the main track was 22.8%. To further improve upon last year's reviewing process the reviewing process was overseen by selected Senior Programme Committee members in specific thematic areas. This was punctuated by intense discussions during a live online PC meeting where final decisions were made on accepted papers. Furthermore, we introduced a new shepherding process to ensure that accepted papers would include all the recommendations of the reviewers. Despite this extra workload, all the members of the Programme Committee were diligent and extremely engaged in the reviewing process. We are extremely grateful to them in helping us shape a top quality program for the conference.

In addition to a single track of full papers and challenge papers, the program includes keynote addresses by eminent researchers, a panel discussion and a poster/demo session. The day (July 14<sup>th</sup>) before the main conference features three concurrent full-day workshops:

1. **Energy Efficient Data Centers (E<sup>2</sup>DC):** The fourth international workshop on Energy Efficient Data Centers (E<sup>2</sup>DC) represents the community of outstanding practitioners and researchers working in the fields of energy efficient and energy aware data centers, viewing data centers as active participants in smart grids and smart cities.
2. **Distributed Energy Networks (DEN):** The Distributed Energy Networks (DEN) workshop explores technologies that will shift the paradigm of energy networks from a conventional centralized top-down approach to a decentralized peer-to-peer one in which consumers, producers and prosumers can actively participate.
3. **Smart Grid Communication, Computation and Control (C3):** The C3 workshop brings together representatives from the communication, control and computation communities to discuss collaborative progress towards smart grid solutions, and to elucidate limitations and opportunities of emerging smart grid proposals.

Organizing an event of such breadth and depth entails a substantial amount of collaborative effort. We are fortunate to have a talented and dedicated committee that deftly executed the technical and non-technical tasks.

We thank the TPC Chairs (S. Ramchurn and Mani Srivastava), the Poster/Demo Chairs (Niranth Amogh, Sid Chi-Kin Chau and Minghua Chen), the DEN Workshop Chairs (Tanuja Ganu, Jay Taneja and George Thanos), the E<sup>2</sup>DC chairs (Fabien Hermenier, Sonja Klingert and Gunnar Schomaker) and all the PC members for meticulously reviewing, selecting and shepherding the selected submissions.

We are grateful to Iven Mareels, P. R. Kumar and Julian De Hoog for organizing the C3 workshop based on a list of exciting invited papers.

We sincerely thank the conference keynote speakers: - Ashok Jhunjhunwala, Iven Mareels, Bruce Nordman – and the workshop keynote speakers: - S. Keshav (in DEN) and Amod Ranade (in E<sup>2</sup>DC).

We acknowledge Sonja Klingert and Mathieu Sinn for working with the authors and the publisher to compile these proceedings.

We are grateful to Vincenzo Mancuso and Amarjeet Singh for publicizing the conference widely to attract a large number of submissions and attendees.

We acknowledge Sudipta Maitra for working with the supporting organizations to raise the required funds.

We thank Zainul Charbiwala and Sudipta Maitra for taking care of all the painstaking details of running this event in Bangalore.

We recognize Pandarasamy Arjunan and Sunil Ghai for maintaining the website that furnishes all the information pertinent to the conference community.

We acknowledge Anandhi Ramaswamy for providing administrative support to the organizing committee.

We thank the steering committee and ACM staff for their invaluable guidance and support.

We are grateful to ACM, Tata Consultancy Services, IBM Research and Rolta for providing generous financial support.

Most important of all, we thank the authors, speakers and attendees for validating the aforementioned efforts by participating in the conference.

We sincerely hope you find these proceedings and the conference informative and enjoyable.

**Shivkumar Kalyanaraman**

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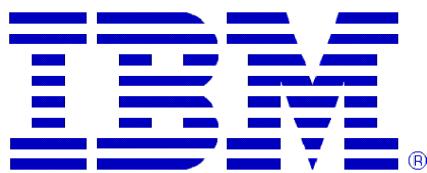
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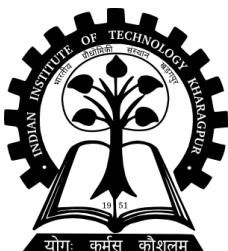
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