Message from the Program Chairs
ACOMP 2015

In these proceedings, we present the papers that were accepted for presentation at the ACOMP 2015 conference. We were calling for high-quality, unpublished contributions from a number of advanced topics in computer science & engineering. More specifically, we solicit papers about security, information systems, software engineering, enterprise engineering, embedded systems, high performance computing, image processing, visualization and other related fields. The conference is structured into tracks, namely Advances in Security and Information Systems, Model-based Software Engineering & Enterprise Engineering, Embedded Systems & VLSI Design, High Performance & Scientific Computing, Image Processing & Visualization.

The call for papers resulted in the submissions of a total of 62 papers, out of which we selected only 24 papers through a rigorous review process, for an acceptance rate of 38.7%. Each submission was reviewed by at least three members in the technical program committee. In fact, many submissions received more than three reviews to help reinforce the rigor of our peer review process. The accepted papers are organized into five sections corresponding to the aforementioned conference tracks.

More excitingly, the conference features keynote speeches delivered by internationally recognized scholars. A keynote entitled “An empirical study of the attack potential of vulnerabilities” is presented by Professor Fabio Massacci from University of Trento, Italy. Professor Benjamin Nguyen from INSA Centre Val de Loire, France makes a keynote entitled “The asymmetric architecture: A privacy by design distributed computing architecture”. Associate Professor Pedro Antunes from Victoria University of Wellington, New Zealand delivers another keynote entitled “Modelling sensible business processes”. Enriching the invited talks of this multi-track conference, Associate Professor Manuel Clave from the IMDEA Software Institute, Spain makes a keynote entitled “Model-Based Formal Analysis of Data-Management Applications”, “Extreme Scale Computing vs. Energy Efficiency - A Challenge for Computer Science?” is keynoted by Professor Dieter Kranzlmüller from the Ludwig-Maximilians-Universitaet Muenchen (LMU), “Resilient Networking Solutions for Prompt Disaster Recoveries” is presented by Professor Shigeki Yamada from National Institute of Informatics (NII), Japan.

Many people have contributed to the success of the ACOMP 2015 conference. We would like to thank all authors for their excellent work including submitting their contributions to the conference and incorporating the reviewers’ comments into the final versions of their papers. Our special thanks go to the invited keynote speakers for their visionary speeches and kind supports. We are grateful to the members of the program committee and external reviewers for their timely reviewing and lively participation in the subsequent discussion in order to select such high-quality papers published in these proceedings. We would also like to thank all members of the local organizing committee and other staff for their countless efforts without which this conference may not happen. Last but not least, we are happy to thank the Faculty of Computer Science & Engineering, HCMC University of Technology for hosting ACOMP 2015.

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