Message from the Program Chairs
ACOMP 2017

In these conference proceedings, we present the papers that were accepted for presentation at the International Conference on Advanced Computing and Applications (ACOMP 2017) federated with the Regional Conference on Computer and Information Engineering (RCCIE 2017). We were calling for high-quality, unpublished contributions from a number of advanced topics in computer science & engineering. More specifically, we solicit papers about enterprise software engineering, security, computer hardware engineering, Internet of Things, image processing, and cloud computing.

Like last year, we received a good number of submissions whose authors were from Asia and the other continents (being North America and Australia in the year of 2017). Particularly, we welcomed substantial number of submissions from the regional community of AUN/SEED-Net on computer engineering who enjoyed the dynamics of our federated conferences.

The call for papers resulted in the submissions of a total of 79 papers, out of which we selected only 24 papers through a rigorous review process, for an acceptance rate of 30.4%. Each submission was reviewed by at least three members in the technical program committee. Few papers received four or five reviews as we wish to maintain the rigor of our peer review process.

The accepted papers are structured into two sections and two special tracks. One of these sessions is about software engineering and security for enterprises; the other being advanced topics of computer hardware and cloud computing. The special tracks are dedicated to newly-emerging topical research areas in computer engineering. One of them captures the Internet of Things; the other sounds more traditional whose focus is put on hardware architectures and applications.

More excitingly, the conference features keynotes given by highly regarded scholars from Germany and Japan. A keynote about conceptual modeling for organizations is presented by Professor Colin Atkinson from University of Mannheim, Germany. Professor Koichiro Ishibashi from University of Electro-Communications, Japan makes a keynote on IoT Sensor technologies for ASEAN Region. Professor Yoshikazu Miyanaga from Hokkaido University, Japan delivers another keynote about speech recognition for robots.

Enriching the conference program, Professor Kazuhiko Hamamoto from Tokai University, Japan gives a keynote addressing the difference of human behavior between the real and the virtual environment. Furthermore, Professor Jun Miura from Toyohashi University of Technology, Japan gives speech on robot technologies for lifestyle support. Last but not least, Professor Fabio Massacci from University of Trento, Italy talks about assessing environmental metrics of the common vulnerability scoring system.

Many people have contributed to the success of the federated conferences of ACOMP & RCCIE 2017. 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.

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 included in these conference 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 HCMC University of Technology for hosting this scientific event.

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