

Preface

APRES 2016 was the third edition of the Asia-Pacific Requirements Engineering Symposium (APRES 2016) that serves as a highly interactive forum for in-depth discussion of all issues related to requirements engineering following the success of APRES 2014 in New Zealand and APRES 2015 in China.

The symposium took place on the campus of Nanzan University, in the historical city of Nagoya, which is known as Nagoya castle, and the heart of Japanese quality engineering, including one of the world's largest community of the automotive industry.

Requirements engineering (RE) as an established discipline of research and practice in software and systems development has a reputable RE community worldwide. The importance of developing and following effective RE practices has long been recognized by researchers and practitioners alike, especially when facing the latest advancements in sociotechnological needs in various industrial sectors, such as e-commerce, manufacturing, health care, etc.

This year, the discussions concentrated on “sustainable world.” Sustainability is one of the emerging quality attributes in complex software systems that greatly affects our daily lives in many aspects, and in varying contexts is not supported by traditional software engineering methods. We address the needs of supporting sustainability in RE to have a substantial impact on our society.

According to the growing interest in RE research and practice, the APRES symposium series aims to develop and expand the RE research and practice community specifically in the Asia-Pacific region and to foster collaborations among local researchers and practitioners in Asia and Oceania.

This year we received 14 submissions by active researchers from all over the world, among which seven full papers and three short papers were accepted. All papers were carefully reviewed by at least three Program Committee members, and detailed constructive feedback was provided to the authors. We had participants and presentations from Asia, Oceania, and North America on RE topics, such as requirements traceability and prioritization, requirements modeling and process for quality, requirements validation, and requirements analysis.

APRES 2016 had a focused program including three keynote speeches covering RE research and big industry challenges. There were three paper presentation sessions, including RE methodologies and qualities. A plenary panel was arranged at the end of the conference to discuss future steps for RE improvement such as: automotive RE, artificial intelligence in RE, along with industry panels. APRES 2016 also attracted a good number of participants and enriched the overall offering of the conference for the discussion of “real-world” problems and sharing of good industry practices in RE, especially so as to foster RE research–industrial collaborations in the Asia-Pacific region.

Our greatest thanks go to the authors and presenters, whose contributions made APRES 2016 a success. We are grateful to the Program Committee members for their

thorough and timely reviews on the submissions. We thank the Steering Committee for their valuable guidance. We would like to thank Prof. Mikio Aoyama and Prof. Naoyasu Ubayashi, the general co-chairs, for organizing and managing the industrial track of APRES 2016. We thank the sponsors of APRES 2016, Nanzan University, and many other industry partners.

Our thanks also go to Springer, the publisher of the APRES proceedings, for their continuous support. Finally, thanks to EasyChair for making conference management such a straightforward task.

We hope you all enjoy the APRES 2016 proceedings.

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