

Preface

The National Software Application Conference (NASAC) is the annual conference of the CCF Technical Committees of Software Engineering and System Software. This year, NASAC 2016, the 15th event in the series, had a special theme on “Software Engineering and Methodology for Emerging Domains.”

Real-world applications in emerging domains bring new challenges to software design, development, testing, deployment, and maintenance. The emerging domains include, but are not limited to, cyber-physical or embedded systems, low-carbon or energy-aware computing, mobile or wearable computing, and end-user programming. The research topics include all aspects of software engineering (e.g., requirements engineering, software methodologies, software analytics, software testing and evolution, empirical studies, etc.) for developing applications in these domains concerning either functional or non-functional properties. NASAC 2016 called for high-quality submissions addressing significant and novel advances in the aforementioned areas. The submissions must not have been previously published or considered for publication elsewhere.

This year, NASAC 2016 received 38 submissions (English Track only, Chinese Track not counted). After a thorough reviewing process, 15 papers were selected for presentation as full papers, with an acceptance rate of 39.5%.

The high-quality program would not have been possible without the authors who chose NASAC 2016 as a venue for their publications. We are also very grateful to the Program Committee members and Organizing Committee members, who put a tremendous amount of effort into soliciting and selecting research papers with a balance of high quality and new ideas.

We hope that you enjoy reading and benefit from the proceedings of NASAC 2016.

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