SETTA 2016  
Symposium on Dependable Software Engineering: Theories, Tools and Applications  
Nov. 9-11, 2016, Beijing, China  
http://lcs.ios.ac.cn/setta/

KEYNOTE SPEAKERS  
Edward A. Lee, University of California at Berkeley, USA  
Sriram Sankaranarayanan, University of Colorado Boulder, USA  
Mingsheng Ying, University of Technology Sydney & Tsinghua University

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Huimin Lin, Institute of Software, CAS, China

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Martin Fränzle, University of Oldenburg, Germany  
Deepak Kapur, University of New Mexico, USA  
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Michael Butler, University of Southampton, UK  
Deepak D’Souza, Indian Institute of Science, India  
Yuxin Deng, East China Normal University, China  
Xinyu Feng, University of Science and Technology of China, China  
Martin Fränzle, University of Oldenburg, Germany (Chair)  
Goran Frehse, VERIMAG, France  
Lindsay Groves, Victoria University of Wellington, New Zealand  
Dimitar Guelev, Bulgarian Academy of Sciences, Bulgaria  
Fei He, Tsinghua University, China  
Holger Hermanns, Saarland University, Germany  
Deepak Kapur, University of New Mexico, USA (Chair)  
Axel Legay, IRISA/INRIA, Rennes, France  
Xuandong Li, Nanjing University, China  
Shaoying Liu, Hosei University, Japan  
Zhiming Liu, Southwest University, China  
Xiaoguang Mao, National University of Defense Technology, China  
Markus Müller-Olm, Westfälische Wilhelms-Universität Münster, Germany  
Raja Natarajan, Tata Institute of Fundamental Research, India  
Jun Pang, University of Luxembourg, Luxembourg  
Shengchao Qin, Teesside University, UK  
Sriram Rajamani, Microsoft Research India  
Jean-François Raskin, Université Libre de Bruxelles, Belgium  
Stefan Ratschan, Czech Academy of Sciences, Czech Republic  
Martin Steffen, University of Oslo, Norway  
Zhendong Su, UC Davis, USA  
Cong Tian, Xidian University, China  
Tarmo Uustalu, Tallinn University of Technology, Estonia  
Chao Wang, Virginia Tech, USA  
Farn Wang, National Taiwan University, China  
Heike Wehrheim, University of Paderborn, Germany  
Wang Yi, Uppsala University, Sweden  
Naijun Zhan, Institute of Software, CAS, China (Chair)  
Lijun Zhang, Chinese Academy of Sciences, China

LOCAL ORGANIZATION CHAIR  
Andrea Turrini, Institute of Software, CAS, China  
Shuling Wang, Institute of Software, CAS, China  
Peng Wu, Institute of Software, CAS, China  
Zhilin Wu, Institute of Software, CAS, China

BACKGROUND AND OBJECTIVES  
The aim of the symposium is to bring together international researchers and practitioners in the field of software technology. Its focus is on formal methods and advanced software technologies, especially for engineering complex, large-scale artifacts like cyber-physical systems, networks of things, enterprise systems, or cloud-based services. Contributions relating to formal methods or integrating them with software engineering, as well as papers advancing scalability or widening the scope of rigorous methods to new design goals are especially welcome.

Being hosted in China, the symposium will also provide a platform for building up research collaborations between the rapidly growing Chinese computer science community and its international counterpart. The symposium will support this process through dedicated events and therefore welcomes both young researchers considering international collaboration in formal methods and established researchers looking for international cooperation and willing to attract new colleagues to the domain.

Authors are invited to submit papers on original research, industrial applications, or position papers proposing challenges in fundamental research and technology. The latter two types of submissions are expected to contribute to the development of formal methods either by substantiating the advantages of integrating formal methods into the development cycle or through delineating need for research by demonstrating weaknesses of existing technologies, especially when addressing new application domains.

Submissions can take the form of either normal or short papers. Short papers can discuss ongoing research at an early stage, including PhD projects. Papers should be written in English. Regular Papers should not exceed 15 pages and Short Papers should not exceed 6 pages in LNCS format. The proceedings will be published as a volume in Springer's LNCS series. The authors of a selected subset of accepted papers will be invited to submit extended versions of their papers to appear in a special issue of the Formal Aspects of Computing journal.

TOPICS  
Topics of interest include, but are not limited to:  
* Requirements specification and analysis  
* Formalisms for modeling, design and implementation  
* Model checking, theorem proving, and decision procedures  
* Scalable approaches to formal system analysis  
* Formal approaches to simulation and testing  
* Integration of formal methods into software engineering practice  
* Contract-based engineering of components, systems, and systems of systems  
* Formal and engineering aspects of software evolution and maintenance  
* Parallel and multithreaded programming  
* Embedded, real-time, hybrid, and cyber-physical systems  
* Mixed-critical applications and systems  
* Formal aspects of service-oriented and cloud computing  
* Safety, reliability, robustness, and fault-tolerance  
* Empirical analysis techniques and integration with formal methods  
* Applications and industrial experience reports  
* Tool integration

IMPORTANT DATES  
* Abstract Submission: June 19, 2016  
* Full Paper Submission: June 19, 2016 (AOE time, UTC-12)  
* Notification to Authors: Aug. 1, 2016  