

The 14th International Symposium on Theoretical Aspects of Software Engineering

July 15-17, 2020, Hangzhou, China

<https://sei.ecnu.edu.cn/tase2020/>

New: The Science of Computer Programming Special Issue has been confirmed!

TASE 2020

CALL FOR PAPERS

Objectives and scope

Now on its 14th edition, TASE is an international symposium that aims to bring together researchers and developers from academia and industry with interests in the theoretical aspects of software engineering. We invite submissions of research papers on topics covering all theoretical aspects of software engineering, including, but not limited to, the following:

Abstract interpretation · Algebraic and co-algebraic specifications · AI for formal methods · Component-based software engineering · Cyber-physical systems · Deductive verification · Distributed and concurrent systems · Domain Engineering · Embedded and real-time systems · Feature-oriented software · Formal methods, verification and testing for AI systems · Formal verification and program semantics · Fundamental theories and techniques for trustworthy AI systems · Integration of formal methods · Language design · Model checking and theorem proving · Model-driven engineering · Object-oriented systems · Probability in software engineering · Program analysis · Program logics and calculi · Requirements engineering · Reverse engineering and software maintenance · Run-time verification and monitoring · Semantic web and web services · Service-oriented and cloud computing · Software processes and workflows · Software architectures and design · Software testing and quality assurance · Software safety, security and reliability · Specification and verification · Type systems and behavioural typing · Tools exploiting theoretical results

The authors of a selected subset of accepted papers will be invited to submit extended versions of their papers to a special issue of the **Science of Computer Programs journal**.

Venue and event

TASE 2020 will be held in **Hangzhou, China on 15-17 July 2020**.

Important dates

Abstract submission	5 January 2020 January 24, 2020
Paper Submission	12 January 2020 January 31, 2020
Author Notification	13 March 2020 March 16, 2020
Camera Ready	17 April 2020
TASE2020 Conference	15-17 July 2020

General chairs

- Zuohua Ding (Zhejiang SCI-Tech University, China)
- Jifeng He (Shanghai Academy of Artificial Intelligence Industrial Technology, China)

PC chairs

- Toshiaki Aoki (JAIST, Japan)
- Qin Li (East China Normal University, China)

Publicity chair

- Étienne André (Université de Lorraine, France)
- Huibiao Zhu (East China Normal University, China)

Keynote speakers

- Patrick Cousot (New York University)
- Cong Tian (Xidian University)
- More invited speakers to be added...

Programme committee

- Erika Abraham (RWTH Aachen University, DE)
- Yamine Ait-Ameur (IRIT, University of Toulouse, FR)
- Étienne André (Université de Lorraine, FR)
- Toshiaki Aoki (JAIST, Japan)
- Kyungmin Bae (Pohang University of Science and Technology, KR)
- Richard Banach (University of Manchester, UK)
- Luis Barbosa (University of Minho, PT)
- Nikolaj Bjorner (Microsoft Research, US)
- Marcello Bonsangue (Leiden University, NL)
- Michael Butler (University of Southampton, UK)
- Bihuan Chen (Fudan University, CN)
- Liqian Chen (National University of Defence Technology, CN)
- Yunja Choi (Kyungpook National University, KR)
- Florin Craciun (Babes-Bolyai University, RO)
- Zuohua Ding (Zhejiang Sci-Tech University, CN)

- Ylies Falcone (INRIA, FR)
- Rob van Glabbeek (Data61, CSIRO, AU)
- Klaus Havelund (Jet Propulsion Laboratory, US)
- Thai-Son Hoang (University of Southampton, UK)
- Takashi Kitamura (AIST, JP)
- Quang Loc Le (Teesside University, UK)
- Guoqiang Li (Shanghai Jiaotong University, CN)
- Jianwen Li (Iowa State University, US)
- Qin Li (East China Normal University, CN)
- Xiaoshan Li (University of Macau, MO)
- Zhi Li (Guangxi Normal University, CN)
- Wang Lin (Zhejiang Sci-Tech University, CN)
- Yang Liu (Nanyang Technological University, SG)
- Yepang Liu (Southern University of Science and Technology, CN)
- Lei Ma (Kyushu University, JP)
- Dominique Mery (LORIA &University of Lorraine, FR)
- Mohame Mosbah (LABRI - University of Bordeaux, FR)
- Mohammad Reza Mousavi (University of Leicester, UK)
- Chunyan Mu (Teesside University, UK)
- Shin Nakajima (National Institute of Informatics, JP)
- Rocco de Nicola (Institute for Advanced Studies Lucca, IT)
- Kazuhiro Ogata (JAIST, JP)
- Jun Pang (University of Luxembourg, LU)
- Yu Pei (Hong Kong Polytechnic University, CN)
- Shengchao Qin (Teesside University, UK)
- S. Ramesh (General Motors R&D, US)
- Ting Su (ETH Zurich, CH)
- Wen Su (Shanghai University, CN)
- Jing Sun (University of Auckland, NZ)
- Meng Sun (Peking University, CN)
- Bow-Yaw Wang (Academia Sinica, TW)
- Keming Wang (Southwest Jiaotong University, CN)
- Meng Wang (Bristol University, UK)
- Zhiwu Xu (Shenzhen University, CN)
- Akihisa Yamada (National Institute of Informatics, JP)
- Hongji Yang (Leicester University, UK)
- Haibo Yu (Kyushu Sangyo University, JP)
- Naijun Zhan (Chinese Academy of Sciences, CN)
- Chenyi Zhang (Jinan University, CN)
- Lijun Zhang (Chinese Academy of Sciences, CN)
- Hengjun Zhao (Southwest University, CN)
- Yongxin Zhao (East China Normal University, CN)
- Huibiao Zhu (East China Normal University, CN)

