

CALL FOR PAPERS

August 25-27, 2021, ECNU, Shanghai, China
<https://tase2021.github.io>

Objectives and scope

The 15th Theoretical Aspects of Software Engineering Conference (TASE 2021) will be held in Shanghai, China on August 25-27, 2021. It aims to provide a forum for people from academia and industry to communicate their latest results on innovative advances in software engineering.

- Abstract interpretation
- Algebraic and co-algebraic specifications
- Aspect oriented software
- AI for formal methods
- Component-based systems
- Cyber-physical systems
- Deductive verification
- Distributed and concurrent systems
- Domain Engineering
- Embedded and real-time systems
- Feature-oriented software
- Formal verification of programs
- Formal methods for AI systems
- Integration of formal methods
- Language design
- Model checking and theorem proving
- Object-oriented systems
- Probability in software engineering
- Program logics and calculi
- Quantum computation
- Requirements engineering
- Run-time verification and monitoring
- Service-oriented and cloud computing
- Software architecture
- Software testing and quality assurance
- Software security and reliability
- Specification and verification
- Static analysis of programs
- Type systems and behavioral typing
- Tools exploiting theoretical results

The proceedings of the TASE 2021 symposium are planned to be published by the IEEE Computer Society Press. The authors of a selected subset of accepted papers will be invited to submit extended versions to a special issue of the Science of Computer Programs journal.

Important dates

Abstract due 28 February, 2021 (AOE)
Submission due 07 March, 2021 (AOE)

Author notification 07 May, 2021
 Camera ready copy 31 May, 2021

General chairs

Jifeng He (Shanghai Academy of Artificial Intelligence
 Industrial Technology, CN)
 Mingsong Chen (East China Normal University, CN)

Marcello Bonsangue (Leiden University, NL)
 Yunja Choi (Kyungpook National University, KR)
 Florin Craciun (Babes-Bolyai University, RO)
 Liqian Chen (National University of Defense Technology, CN)
 Marmsoler Diego (University of Exeter, UK)

Keynote speakers

Moshe Vardi (Rice University, USA)
 More to be invited

Kim Guldstrand Larsen (Aalborg University, DK)
 Fuyuki Ishikawa (National Institute of Informatics, JP)
 Shaoying Liu (Hosei University, JP)

Publicity chairs

Guoqiang Li (Shanghai Jiaotong University, CN)
 Étienne André (Université de Lorraine, FR)

Dominique Mery (Université de Lorraine, FR)
 Frederic Mallet (Université Nice Sophia-Antipolis, FR)
 Masaki Nakamura (Toyama Prefectural University, JP)

PC chairs

Kazuhiro Ogata (JAIST, JP)
 Min Zhang (East China Normal University, CN)

Shin Nakajima (National Institute of Informatics, JP)
 Jun Pang (University of Luxembourg, LU)
 Yu Pei (The Hong Kong Polytechnic University, CN)

Organizations chairs

Jianwen Li (East China Normal University, CN)
 Li Han (East China Normal University, CN)

Shengchao Qin (Teesside University, UK)
 Adrian Riesco (Universidad Complutense de Madrid, ES)
 Meng Sun (Peking University, CN)

Programme committee

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Rob van Glabbeek (CSIRO, AU)
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 Akihisa Yamada (National Institute of Informatics, JP)
 Yongwang Zhao (Zhejiang University, CN)
 Naijun Zhan (Institute of Software, CAS, CN)
 Huibiao Zhu (East China Normal University, CN)