Call for Papers
Verified Software: Theories, Tools and Experiments (VSTTE) 2019
July 13-14, 2019, New York City, USA (co-located with CAV 2019)
https://sri-csl.github.io/VSTTE19/

Invited Speakers
Tevfik Bultan *UC Santa Barbara*
Marsha Chechik *University of Toronto*
Aarti Gupta *Princeton University*
Antoine Miné *Sorbonne Université*

General Chair
Natarajan Shankar

Program Chairs
Supratik Chakraborty
Jorge A. Navas

Program Committee
Aws Albarghouthi
Supratik Chakraborty
Xinyu Feng
Graeme Gange
Ashutosh Gupta
Arie Gurfinkel
Liana Hadarean
Joxan Jaffar
Dejan Jovanovic
Aditya Kanade
Yunho Kim
Tim King
Yi Li
Nuno Lopes
David Monniaux
Jose F. Morales
Yannick Moy
Kedar Namjoshi
Nina Narodytska
Jorge A. Navas
Aina Niemetz
Oded Padon
Phillip Rümmer
Peter Schrammel
Rahul Sharma
Jing Sun
Michael Tautschnig
Tachio Terauchi
Aditya Thakur
R. Venkatesh
Bow-Yaw Wang
Valentin Wuestholz

The *Verified Software Initiative (VSI)*, spearheaded by Tony Hoare and Jayadev Misra, is an ambitious research program for making large-scale verified software a practical reality. The Working Conference on Verified Software: Theories, Tools and Experiments (VSTTE) is the main forum for advancing the initiative. VSTTE brings together experts spanning the spectrum of software verification in order to foster international collaboration on the critical research challenges. The theoretical work includes semantic foundations and logics for specification and verification, and verification algorithms and methodologies. The tools cover specification and annotation languages, program analyzers, model checkers, interactive verifiers and proof checkers, automated theorem provers and SAT/SMT solvers, and integrated verification environments. The experimental work drives the research agenda for theory and tools by taking on significant specification/verification exercises covering hardware, operating systems, compilers, computer security, parallel computing, and cyber-physical systems. The 2019 edition of VSTTE will be the 11th working conference in the series, and will be co-located with CAV 2019 in New York City, USA

Scope: We welcome submissions describing significant advances in the production of verified software. We are especially interested in submissions describing large-scale verification efforts that involve collaboration, theory unification, tool integration, and formalized domain knowledge. We welcome papers describing novel experiments and case studies evaluating verification techniques and technologies. Topics of interest include, but are not limited to

Education	Refinement methodologies
Requirements modeling	Compositional analysis
Specification languages	Tool integration
Specification/verification case-studies	Benchmarks
Formal calculi	Challenge problems
Software design methods	Integrated verification environment
Automatic code generation	Verification tools

Work on diverse verification technologies, e.g., static analysis, dynamic analysis, model checking, theorem proving, satisfiability, are particularly encouraged.

Submissions: VSTTE 2019 will accept both long (limited to 16 pages, excluding references) and short (limited to 10 pages, excluding references) paper submissions. Short submissions also cover *Verification Pearls* describing an elegant proof or proof technique. Submitted research papers and system descriptions must be original and not submitted for publication elsewhere. Research paper submissions must be in LNCS format and must include a cogent and self-contained description of the ideas, methods, results, and comparison to existing work. Submissions of theoretical, practical, and experimental contributions are equally encouraged, including those that focus on specific problems or problem domains.

Papers can be submitted at `https://easychair.org/conferences/?conf=vstte2019` Submissions that arrive late, are not in the proper format, or are too long will not be considered. The post-conference proceedings of VSTTE 2019 will be published by Springer-Verlag in the LNCS series. Authors of accepted papers will be requested to sign a form transferring copyright of their contribution to Springer-Verlag. The use of LaTeX and the Springer llncs class files (`http://www.springer.de/comp/lncs/authors.html`) is strongly encouraged.

Important Dates:

April 23, 2019 (firm)	:	Title/Abstract submission
April 29, 2019 (firm)	:	Full paper submission
June 3, 2019	:	Notification of acceptance
July 13–14, 2019	:	Conference
Aug 26, 2019 (firm)	:	Camera-ready for post-conference proceedings

[NY city skyline photo courtesy: Chris Schippers from `https://www.pexels.com`]