

IARCS, the Indian Association for Research in Computing Science, announces the 38th Foundations of Software Technology and Theoretical Computer Science conference at Ahmedabad University, Ahmedabad, Gujarat. The FSTTCS conference is a forum for presenting original results in foundational aspects of Computer Science and Software Technology.

Representative areas include, but are not limited to, the following.

- Algorithmic Algebra
- Algorithms and Data Structures
- Algorithmic Graph Theory and Combinatorics
- Approximation Algorithms
- Automata, Games and Formal Languages
- Combinatorial Optimization
- Communication Complexity
- Computational Biology
- Computational Complexity
- Computational Geometry
- Computational Learning Theory
- Cryptography and Security
- Game Theory and Mechanism Design
- Logic in Computer Science
- Machine Learning
- Quantum Computing
- Model Theory, Modal and Temporal Logics
- Models of Concurrent and Distributed Systems
- Models of Timed, Reactive, Hybrid and Stochastic Systems
- Parallel, Distributed and Online Algorithms
- Parameterized Complexity
- Principles and Semantics of Programming Languages
- Program Analysis and Transformation
- Proof Complexity
- Quantum Computing
- Randomness in Computing
- Specification, Verification, and Synthesis
- Theorem Proving, Decision Procedures, Model Checking and Reactive Synthesis
- Theoretical Aspects of Mobile and High-Performance Computing

Submissions

Submissions must be in electronic form via [EasyChair](https://easychair.org) (<https://easychair.org>) using the [LIPICs LaTeX style file](https://www.dagstuhl.de/en/publications/lipics/instructions-for-authors/) (available from <https://www.dagstuhl.de/en/publications/lipics/instructions-for-authors/>).

Submissions must not exceed 12 pages (excluding bibliography), but may include a clearly marked appendix containing technical details. The appendix will be read only at the discretion of the program committee. Simultaneous submissions to journals or other conferences with published proceedings are disallowed.

Accepted papers will be published as proceedings of the conference in the [Leibniz International Proceedings in Informatics \(LIPIcs\)](#) as a free, open, electronic archive with access to all. Authors will retain full rights over their work. The accepted papers will be published under a [CC-BY license](#). For an accepted paper to be included in the proceedings, one of the authors must commit to presenting the paper at the conference.

Important Dates

Paper Submission Deadline: July 24, 2018 AOE

Notification to Authors: September 24, 2018 AOE

Camera-ready version submission: October 05, 2018 AOE

Invited Speakers

Prof. Ola Svensson, EPFL, Lausanne, Switzerland

Santosh Vempala, Georgia Tech.

Program Committee

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Mahesh Viswanathan	University Illinois, Urbana C, USA
	Additional names TBA.