

📍 In Person 📅 March 4-7, 2025

CONFERENCE WEBSITE:

| About the Conference

Call for Papers

The 42nd International Symposium on Theoretical Aspects of Computer Science is planned to take place from March 4th to March 7th in Jena, Germany.

STACS 2025 will consist of two tracks, A and B. Track A focuses on algorithms, data structures and complexity, while track B focuses on automata, logic, semantics, and theory of programming.

Authors are invited to submit papers presenting original and unpublished research on theoretical aspects of computer science. Topics covered by the tracks include, but are not limited to the following:

Track A. Algorithms, Data Structures and Complexity

Design of parallel algorithms

Distributed algorithms

Approximation algorithms

Parameterized algorithms

📅 Important Dates

MAR 04 CONFERENCE DATE
March 4-7, 2025

Randomized algorithms
Analysis of algorithms
Combinatorics of data structures
Computational geometry
Cryptography
Algorithms for machine learning
Algorithmic game theory
Quantum algorithms
Computational and structural complexity theory
Parameterised complexity
Randomness in computation

Track B. Automata, Logic, Semantics and Theory of Programming

Automata theory
Games and multi-agent systems
Algebraic and categorical methods
Models of computation
Concurrency
Timed systems
Finite model theory
Database theory
Semantics
Type systems
Program analysis
Specification and verification
Rewriting and deduction
Learning theory
Logical aspects of computability and complexity

Important Dates

Submission deadline: 26 September 2024, 23:59

AoE

Rebuttal: 15-21 November 2024

Author Notification: 16 December 2024

Camera-ready version: mid-January 2025

Conference: 4-7 March 2025

Submissions

Format of submissions

Submissions should be made through EasyChair, using this submission link.

Authors are invited to submit an extended abstract or a full paper with at most 15 pages; this page limit excludes the title page, the references section, and a possible appendix. The title page should contain the title of the paper and the abstract, but no author information. The first section of the paper should start on the next page, and the appendix, if any, should also start on the next page after the bibliography.

In preparation of submissions, the usage of the LIPICs style file is mandatory; no changes to font size, page geometry, etc. are permitted. Please refer to LIPICs author instructions. Submissions submitted after the deadline will not be considered, and submissions not adhering to the expected format risk rejection without consideration of the content.

Submissions should be made to appropriate tracks. The PCs reserve the right to reassign a paper to a different track, if deemed necessary.

The extended abstract should contain a succinct statement of the considered issues and of their motivation, a summary of the main results, and a

brief explanation of their significance, accessible to non-specialist readers. This should be followed by a rigorous derivation of the claimed results. Proofs omitted due to space constraints should be put into an appendix, to be read by the program committee members at their discretion. It is allowed and encouraged to provide the full version of the paper as the appendix.

Simultaneous submission to other conferences with published proceedings or to journals is not allowed. PC members are allowed to submit their works as well, except for PC chairs.

Double-blind reviewing

As in the previous years, STACS 2025 will employ a lightweight double-blind reviewing process: submissions should not reveal the identity of the authors in any way. The purpose of the double-blind reviewing is to help PC members and external reviewers come to an initial judgment about the paper without bias, not to make it impossible for them to discover the authors if they were to try. Nothing should be done in the name of anonymity that weakens the submission or makes the job of reviewing the paper more difficult. In particular, important references should not be omitted or anonymised. In addition, authors should feel free to disseminate their ideas or draft versions of their paper as they normally would. For example, authors may post drafts of their papers on the web, submit them to arXiv, and give talks on their research ideas.

Conflicts of interest

Authors will be invited to give a list of persons with

a Conflict of Interest (COI). A Conflict of Interest is limited to the following categories:

Family member or close friend.

Ph.D. advisor or advisee (no time limit), or postdoctoral or undergraduate mentor or mentee within the past five years.

Person with the same affiliation.

Involved in an alleged incident of harassment. (It is not required that the incident be reported.)

Reviewer owes the author a favor (e.g., recently requested a reference letter).

Frequent or recent collaborator (within last 3 years) who cannot objectively review your work.

If you are unsure about a conflict in which a reviewer may have positive bias towards your paper, we recommend erring on the side of not declaring it since PC members and sub-reviewers will be also asked if they feel that they can fairly evaluate your paper. If an author believes that they have a valid reason for a Conflict of Interest not listed above, then they can contact PC chairs. Falsely declared conflicts (i.e., do not satisfy one of the listed reasons) risk rejection without consideration of merit. Authors will be asked to declare conflicts with PC members during submission, but an author can contact PC chairs directly if they have a conflict with an individual who is likely to be asked to serve as a subreviewer for the paper.

Rebuttal

There will be a rebuttal period for authors. Authors will receive the reviews of their submissions and have a few days to prepare and submit rebuttals.

These rebuttals become part of the PC discussions, but entail no specific responses. Rebuttals will be handled through EasyChair.

Conference

At least one author of each accepted paper is expected to register at the conference. For authors who cannot present their paper in person, a possibility for remote presentation will be offered.

Proceedings

Accepted papers will be published in the proceedings of the symposium. As usual, these proceedings will appear in the Leibniz International Proceedings in Informatics (LIPIcs) series, based at Schloss Dagstuhl. This guarantees perennial, free and easy electronic access, while the authors retain the rights over their work. With their submission, authors consent to sign a license authorizing the program committee chairs to organize the electronic publication of their paper, provided the paper is accepted.

The final camera-ready of each accepted paper should be formatted in accordance with the LIPIcs guidelines and taking reviewer comments into account. General instructions regarding the preparation of the camera-ready version and the style can be found at LIPIcs author instructions. Notice that there is a limit of 15 pages for the main body of the final camera-ready, excluding the bibliography, the front page(s) (authors, affiliation, keywords, abstract, ...) and a brief appendix (of up to 5 pages) from this page limit. Any appendices to the initial submission were officially not under review and thus should not be

included in the proceedings. In general, major new content can be added only if suggested by the reviewers. You are however more than welcome to have the proceedings paper link to the full version published elsewhere (e.g., on arXiv). The precise link to the full version may even be provided later, during author approval period (expected in February).

STACS Code of Conduct

STACS joined <http://safetoc.org>. Registering for STACS 2025 thus requires that you agree to follow the Code of Conduct described below.

STACS is committed to be a respectful forum for its participants, free from any violence, discrimination or harassment of any nature. All STACS attendees are expected to behave accordingly.

If you experience or witness violence, discrimination, harassment or other unethical behaviour at the conference, we encourage you to seek advice and remedy through one or more of the following options:

Consult with the SafeToC advocates of STACS (to be named before the conference).

Report to the conference chair, the PC chairs or the Steering Committee chair.

The chairs are entitled to remove registered participants from the conference (without refunding the conference fees) if they are deemed to pose an ethical risk to other participants. The conference chair may contact the local university committee dedicated to address violence,

unethical behaviour or harassment of any kind. Besides having an appointment with the victim, this committee can assist with medical support and with taking legal action.

TOPICS OF INTEREST

4 topics

Research papers are invited in, but not limited to, the following areas:

Computer Science

Theoretical
 Computer Science

Algorithms

Automata Theory