

CONFERENCE WEBSITE: <https://sand2025.csc.liv.ac.uk/>

| About the Conference

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SAND 2025: Call for Papers

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The 4th Symposium on Algorithmic Foundations of
Dynamic Networks

June 9-11, 2025


University of Liverpool, UK


<https://sand-conf.org/>

(or <https://sand2025.csc.liv.ac.uk/> for this year's
website)

X (former Twitter):

<https://twitter.com/SANDconference>

 **Important
Dates**

 **CONFERENCE
DATE
June 9-11,
2025**

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Dates

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Submission deadline: January 21, 2025, 23:59 AoE

Notification: March 28, 2025

Revised papers due: April 11, 2025

Conference: June 9-11, 2025

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Scope
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The Symposium on Algorithmic Foundations of Dynamic Networks is a primary venue for original research on the fundamental aspects of computing in dynamic networks and dynamic computational processes. Broadly, the conference and its community aim to improve understanding of the role of dynamics in computing. We seek high-quality contributions related to this aim from all viewpoints, including theory, design, analysis, and applications, and welcome both conceptual and technical contributions, as well as novel ideas and new problems.

Topics of interest include, but are not limited to:

- Temporal graphs
- Geometric dynamic models
- Distributed computation in dynamic networks
- Reconfigurable and swarm robotics, programmable matter, DNA self-assembly
- Population protocols and chemical reaction networks
- Dynamic graph algorithms
- Multilayer, peer-to-peer and overlay networks
- Randomness in dynamic networks
- Continuous models of dynamic networks
- Wireless networks, mobile computing, autonomous agents
- Streaming models
- Boolean networks
- Information spreading, gossiping, epidemics
- IoT, Cloud, Edge/Fog computing

- Computability and Complexity within dynamic networks
- Offline and online algorithms for dynamic networks
- Learning approaches for dynamic networks
- Complex systems, social and transportation networks
- Fault-tolerance, network self-organization and formation
- New models for dynamic networks
- Bio-inspired, physical, and chemical dynamic models

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Paper Submission
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Papers should be submitted electronically through Easychair
(<https://easychair.org/conferences/?conf=sand2025>).

Submissions must be in English in pdf format and they must be prepared using the LaTeX style template for LIPICs
(<https://submission.dagstuhl.de/series/details/5#author>)
with

```
\documentclass[a4paper,anonymous,USenglish]{lipics-v2021}.
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Submissions must be anonymous, without any author names, affiliations, or email addresses.

SAND accepts two types of submissions: regular

papers and brief announcements.

A regular paper submission must be original research and report on novel results that have not appeared or been concurrently submitted to a journal or a conference with published proceedings. There is no page limit and authors are encouraged to use the "full version" of their paper as the submission. However, the submission should contain within the *initial 12 pages* a clear presentation of the merits of the paper, including a discussion of the paper's importance within the context of prior work and a description of the key technical and conceptual ideas used to achieve its main claims.

A brief announcement submission may report on preliminary work or work presented elsewhere. The title of a brief announcement submission should begin with "Brief Announcement: ". Papers submitted as brief announcements should include presentation of their merits within the initial 5 pages (instead of the 12 pages of regular papers).

The program committee may decide that some of the regular papers not selected for publication are suitable for publication in the brief announcement format. The authors of any such paper will be asked to prepare a brief announcement final version out of their original regular submission. Any authors who do not wish their regular paper submission to be considered for the brief announcement format in case of rejection, are asked to clearly indicate this on the first page of their submission.

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Instructions for Double-Blind Review
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The reviewing process is double-blind, the authors' names must not be included in the paper, and the writing of the manuscript should be done in such a way to not de-anonymize authors (e.g., instead of, our result [1], they should use, the result of [1]). We assume that reviewers do not actively try to recognize the authors. Therefore, authors are allowed to publish their results on pre-print services before or at any point of the submission/reviewing process. Non-anonymous submissions will be rejected.

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Publication
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The conference proceedings will be published by LIPIcs. The final version of the paper must be formatted following the LIPIcs guidelines (<https://submission.dagstuhl.de/documentation/authors>). Papers accepted in full will have 15 pages in the final proceedings (excluding references). Any papers accepted in the brief announcement format will have 5 pages in the final proceedings (including everything).

Extended and revised versions of selected papers will be considered for a special issue of Theoretical Computer Science (TCS).

For every accepted regular paper and brief announcement, at least one of the authors must fully register and present the paper during the conference and according to the conference program. Any paper accepted but not presented will be withdrawn from the final proceedings.

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Awards

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All regular papers are eligible for the best paper award. Regular papers co-authored by full-time students may also be eligible for the best student paper award. For a paper to be considered for the best student paper award, at least one author who is a full-time student at the time of submission should have made a significant contribution to the paper. In case the authors think that their paper is eligible for the best student paper award, they should clearly indicate this on the first page of their submission and briefly justify without revealing any of the authors' identities.

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Organization

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Program Committee:

- Kitty Meeks, University of Glasgow, UK (chair)
- Christian Scheideler, Paderborn University, Germany (chair)

- Eleni Akrida, Durham University, UK

- John Augustine, IIT Madras, India
- Petra Berenbrink, University of Hamburg,
Germany
- Quentin Bramas, University of Strasbourg, France
- Arnaud Casteigts, University of Geneva,
Switzerland
- Bogdan Chlebus, Augusta University, USA
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- Jessica Enright, University of Glasgow, UK
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- Paola Flocchini, University of Ottawa, Canada
- Seth Gilbert, University of Singapore, Singapore
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Gerais, Brazil
- Taisuke Izumi, Osaka University, Japan
- Amos Korman, University of Haifa, Israel
- Frederik Mallmann-Trenn, King's College London,
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- Othon Michail, University of Liverpool, UK
- Yoann Pigné, University of Le Havre, France
- Maria Potop-Butucaru, Sorbonne University,
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- Joel Rybicki, Humboldt University of Berlin,
Germany
- Jared Saia, University of New Mexico, USA
- Robert Schweller, University of Texas Rio Grande
Valley, USA
- Ana Silva, Federal University of Ceará, Brazil, and

University of Florence, Italy

- George Skretas, Hasso Plattner Institute, Germany
- Paul Spirakis, University of Liverpool, UK
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- Robin Vacus, Bocconi University of Milan, Italy
- Tiphaine Viard, Telecom Paris, France

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- Paul Spirakis, University of Liverpool
- Prudence Wong, University of Liverpool
- Viktor Zamaraev, University of Liverpool

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- Nicola Santoro, Carleton University, Canada
- Paul Spirakis, University of Liverpool, UK
- Viktor Zamaraev, University of Liverpool, UK

 **TOPICS OF INTEREST**

2 topics

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

Computer Science
& Software
Engineering

Uncategorized