

32nd International Symposium on Temporal Representation and Reasoning

TIME 2025, August 27–29, 2025, Queen Mary University of
London, UK

Edited by

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ACM Classification 2012

Computing methodologies → Temporal reasoning; Information systems → Spatial-temporal systems;
Theory of computation → Modal and temporal logics; Information systems → Temporal data; Mathematics
of computing → Time series analysis; Theory of computation → Timed and hybrid models; Computing
methodologies → Discrete-event simulation

ISBN 978-3-95977-401-7

Published online and open access by

Schloss Dagstuhl – Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing, Saarbrücken/Wadern,
Germany. Online available at <https://www.dagstuhl.de/dagpub/978-3-95977-401-7>.

Publication date

October, 2025

Bibliographic information published by the Deutsche Nationalbibliothek

The Deutsche Nationalbibliothek lists all publications of this volume in the Deutsche Nationalbibliografie;
detailed bibliographic data are available in the Internet at <https://portal.dnb.de>.

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Digital Object Identifier: 10.4230/LIPICS.TIME.2025.0

ISBN 978-3-95977-401-7

ISSN 1868-8969

<https://www.dagstuhl.de/lipics>

LIPICs – Leibniz International Proceedings in Informatics

LIPICs is a series of high-quality conference proceedings across all fields in informatics. LIPICs volumes are published according to the principle of Open Access, i.e., they are available online and free of charge.

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■ Preface

“If you knew Time as well as I do,” said the Hatter, “you wouldn’t talk about wasting it.”
— Lewis Carroll, *Alice’s Adventures in Wonderland*

We are delighted to welcome you to the 32nd International Symposium on Temporal Representation and Reasoning (TIME 2025), hosted at Queen Mary University of London, UK.

TIME has been for more than twenty years the only yearly multidisciplinary international event dedicated to the topic of time in computer science. The purpose of the symposium is to bring together active researchers in different scientific fields involving temporal and spatio-temporal data, information and/or knowledge management. Such a concern arises in a number of different though often related research domains, namely Artificial Intelligence (both symbolic approaches based on explicit Logic or Constraint-based models, and numerical data-based approaches such as Deep Learning and Large Language Models), Databases and Data Mining, or System Specification and Verification. In an effort to broaden the symposium program we have introduced in TIME 2025 three types of submissions:

- **Original long papers** (12 pages), presenting unpublished theoretical (algorithms, models, proofs) or applied (systems, evaluations, applications) work;
- **Survey papers** (12 pages), offering concise overviews of established research areas; and
- **Extended abstracts** (4 pages), initially intended to stimulate discussion and include work-in-progress, project reviews, PhD summaries, or summaries of papers published elsewhere.

This year, we received 27 submissions. Following a rigorous single blind peer-review process, 19 papers were accepted for presentation: 11 as original 12-page long papers, which were allocated a 30 minutes talk, and 8 as 4-page **short papers** (either as submitted extended abstracts, or initial original long papers which received a more balanced assessment), which were allocated a 20 minutes talk. Unfortunately this year submitted survey papers did not meet our quality requirements, next editions will have to decide if that type of submission will be maintained.

The program also features two invited talks:

- **Michael Zakharyashev** (Birkbeck, University of London, UK): *Separation and interpolation problems related to linear temporal logic LTL*
- **Michael Wooldridge** (University of Oxford, UK): *From Synthesis to Rational Verification*

Moreover, which is another novelty in TIME 2025, the program includes an invited tutorial:

- **Nicola Gigante** (Free University of Bozen-Bolzano, Italy): *An Introduction to First-Order Linear Temporal Logic*

The conference program also includes social events themed around the notion of time. We will host a welcome reception in the heart of London, near Big Ben – an iconic symbol of both the city and the passage of time. In addition, we organise an excursion to the Royal Observatory in Greenwich, home of the Prime Meridian and the historical centre of timekeeping. There, participants will have the opportunity to explore the origins of modern time measurement and stand on the zero longitude line.

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Leibniz International Proceedings in Informatics
Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Dagstuhl Publishing, Germany

We are deeply grateful to the members of the programme committee for their diligence and commitment to maintaining the scientific quality of the symposium, as well as to all authors for the care taken in their submissions and final versions of their articles, and in their oral presentations, including our invited speakers. In view of the high quality of these contributions, we have decided this year to award two prizes:

- The recipient of the **best paper award** is *On the Complexity of the Realisability Problem for Visit Events in Trajectory Sample Databases* which authors are **Arthur Jansen** and **Bart Kuijpers**.
- The recipient of the **best reviewer award** is **Emanuel Sallinger** from the Technical University of Wien.

We also thank the local organizing team for their dedication in making this event a success, and express our appreciation to LIPIcs for publishing the proceedings and supporting open-access dissemination of scientific knowledge.

We hope that TIME 2025 provides a stimulating and collaborative environment for all participants, and contributes meaningfully to the advancement of temporal representation and reasoning.

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