CONFERENCE IN PERSON EXPIRED

SETTA 2025 : 11th Symposium on Dependable Software Engineering: Theories, Tools and Applications

LOCATION	SUBJECT / TOPIC	EVENT DATES	LAST UPDATED
United Kingdom	General	December 1-3, 2025	28th June, 2026

DESCRIPTION

Webpage and Submission Link

https://www.setta2025.uk/
https://setta2025.hotcrp.com/

Important Dates (AoE)
SETTA 2025 will accept submissions in two rounds. All deadlines are at 23:59 AOE.

Paper Submission Deadline (Round 1): April 30, 2025
Notification (Round 1): June 16, 2025

Paper Submission (Round 2): August 20, 2025
Notification (Round 2): October 8, 2025

Formatting Instructions

Peer-reviewed research papers will be published in the SETTA 2025 proceedings as a volume in Springer's LNCS series. Submissions should not exceed 16 pages (excluding references) in the LNCS format. Please follow Springer's author instructions or use the template on overleaf. Papers should be submitted electronically through the submission website. SETTA 2025 employs double-blind reviewing. Submissions should not contain authors' names or other identifying factors.

Call for Papers

KEY DEADLINES

Conference	1st Dec, 2025

OFFICIAL LINKS

Visit Submission Page

CALL FOR PAPER URL

https://callforpaper.org/cfp/setta-2025-11th-symposium-on-dependable-software-engineering-theories-tools-and-applications_3442

The 11th International Symposium on Dependable Software Engineering: Theories, Tools and Applications (SETTA 2025), will be held in Oxford, United Kingdom, on 1-3 December 2025. The event will be hosted at St Catherine's College, University of Oxford.

Formal methods emerged as an important area in computer science and software engineering about half a century ago. An international community has formed researching, developing and teaching formal theories, techniques and tools for software modeling, specification, design and verification. However, the impact of formal methods on the quality and improvement of software systems is, in practice, lagging behind. This is for instance reflected by the challenges in applying formal techniques and tools to engineering large-scale systems such as Cyber-Physical Systems (CPS), Internet-of-Things (IoT), Enterprise Systems, Cloud-Based Systems, and so forth.

The purpose of the SETTA symposium is to bring international researchers together to exchange research results and ideas on bridging the gap between formal methods and software engineering. It aims at academic excellence and its objective is to become a flagship conference on formal software engineering in Asia. All previous instances of SETTA have taken place in Asia and 2025 is the first time the conference is being held outside its traditional home region.

To achieve these goals and contribute to the sustainability of the formal methods research, it is important for the symposium to attract young researchers into the community. Thus, this symposium particularly encourages the participation of young researchers and students.

Authors are invited to submit papers on original research, industrial applications, or position papers proposing challenges in fundamental research and technology. The latter two types of submissions are expected to contribute to the development of formal methods and applications thereof in software engineering. This is done by either substantiating the advantages of integrating formal methods into the development cycle or through delineating the need for research by demonstrating weaknesses of existing technologies, especially when addressing new application domains.

All submissions must be in pdf format. Papers should be written in English. Submitted papers must be unpublished and not submitted for publication elsewhere. The review process is double-blind and each submission will be reviewed by at least two members of the technical program committee. All accepted papers will have to be presented at the conference by one of their authors. As in previous iterations of SETTA, extended versions of selected papers will be recommended to special issues of a reputable journal (TBA) after the proceedings of the conference.

Topics and Scope

Topics of interest include, but are not limited to:

Requirements specification and analysis

Formalisms for modeling, design and implementation

Model checking, theorem proving, and decision procedures

Scalable approaches to formal system analysis

Formal approaches to simulation, run-time verification, and testing

Integration of formal methods into software engineering practice

Contract-based engineering of components, systems, and systems of systems

Formal and engineering aspects of software evolution and maintenance

Parallel and multicore programming

Embedded, real-time, hybrid, probabilistic, and cyber-physical systems

Mixed-critical applications and systems

Formal aspects of service-oriented and cloud computing

Safety, reliability, robustness, and fault-tolerance

Dependability of smart software and systems

Empirical analysis techniques and integration with formal methods

Applications and industrial experience reports

Software tools to assist the construction or analysis of software systems