



# 19th International Symposium on Spatial and Temporal Data

25-27 August, 2025

The University of Osaka, Nakanoshima center

Osaka, Japan



大阪大学

THE UNIVERSITY OF OSAKA

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# Messages from the PC and General Co-Chairs (SSTD 2025)

Welcome to SSTD 2025, the 19th International Symposium on Spatial and Temporal Data! The International Symposium on Spatial and Temporal Data 2025 (SSTD 2025) is the nineteenth event of a series of biannual symposia that discuss new and exciting research in spatial, temporal and spatiotemporal data management and related technologies with the goal of setting future research directions. SSTD 2025 took place in Osaka, Japan, from 25 to 27 August 2025.

The primary focus of SSTD symposia is on original results in the areas of theoretical foundations, design, implementation, and applications of spatial and temporal database technology. This year, we continued the tradition of SSTD to gather research in both academia and industry.

Following a panel discussion at SSTD 2019 in Vienna, Austria, we decided to rename SSTD from “International Symposium on Spatial and Temporal **Databases**” to “International Symposium on Spatial and Temporal **Data**”. The rationale for this change, as suggested by Prof. Dimitris Papadias at the SSTD 2019 panel, was to broaden the topic and participation to explicitly solicit research submissions that do not necessarily focus on database technologies and research. The call for papers of SSTD in the last decades had already been inclusive of research topics outside of databases and many papers published did not focus on databases. The panel and participants at SSTD 2019 agreed that this change of name of SSTD is consistent with the research focus on SSTD. Starting from 2023, we implemented this change.

This year, we received 47 valid submissions in the Research track, among which 33 were regular papers, and 14 were short papers. Our program committee included 84 expert reviewers. All papers received at least 3 reviews. Based on the recommendation provided by the program committee we selected 17 papers for publication in the proceedings, among which 13 are regular research papers and 4 are short papers. The overall acceptance rate of the research track is  $17/47 = 36.2\%$ . Apart from the Research track, we received a total of 8 submissions in the Industry/Demo tracks and accepted 6 of them: 5 Demo and 1 Industry. Starting from this year, we have two new features in the program. The first one is tutorials which attract 5 submissions to be held at SSTD. The second one is Thesis and Dissertation Workshop Track Papers which accepted all 9 submissions. Along with the presentations of research publications, and technical demonstrations, a panel has been organized. The program also featured two keynote talks by prestigious researchers, Hirozumi Yamaguchi (The University of Osaka) and Xing Xie (Microsoft Research Asia). Professor Yamaguchi talked about “Engineering the Digital Twin Society: Harnessing Spatiotemporal Data through AI”, and Dr. Xie’s talk was about “Mapping Cultural Values Across Regions for AI Alignment.”

Following previous practice, we form a best paper committee to present the best paper research paper and the best demo paper. Starting from this year, we create two new awards, which are the 10-year impact award and the service award. These two new awards are selected by a new committee involving senior researchers in the field.

We were very fortunate to be able to count with the support and financial support from LY Corporation and Miraxia Edge Technology. We are very grateful to all of the organizing committee members for their contribution to this effort as well as the support by the SSTD Endowment. We also thank all the Program Committee members and external reviewers who contributed in the evaluation of the papers and ensuring the quality of the technical program. Our colleagues from the University of Osaka deserve special recognition for making it possible to host this years' SSTD where World Expo 2025 is held. Finally, we thank all the authors for their submitted contribution and ensuring SSTD continues to be well-known as an excellent research venue for spatial and temporal data.

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The logo for Miraxia Edge Technology, featuring the word "MIRAXIA" in a red, sans-serif font with a red diagonal slash through the "X", and the words "EDGE TECHNOLOGY" in a black, sans-serif font below it.

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