

36th International Symposium on Algorithms and Computation

ISAAC 2025, December 7–10, 2025, Tainan, Taiwan

Edited by

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■ Preface

This volume contains the papers presented at the 36th International Symposium on Algorithms and Computation (ISAAC 2025), which was held in Tainan, Taiwan on December 8–10, 2025, organized by National Cheng Kung University. ISAAC 2025 provided a forum for researchers working in the areas of algorithms, theory of computation, and computational complexity. We received 178 submissions in response to the call for papers. Each submission received at least three reviews. Each submission coauthored by a PC member received an additional review. The program committee held electronic meetings using HotCRP. A total of 52 submissions were selected for presentation at the symposium.

The program committee selected the following papers as the recipients of ISAAC 2025 Best Paper and Best Student Paper Awards.

- **Best Paper:** New Approximate Distance Oracles and Their Applications by Avi Kadia and Liam Roditty
- **Best Student Paper:** Simple, Strict, Proper, and Directed: Comparing Reachability in Directed and Undirected Temporal Graphs by Michelle Döring

The symposium included two invited presentations, delivered by Piotr Indyk (Massachusetts Institute of Technology) and Mikkel Thorup (University of Copenhagen). Abstracts of their talks are included in this volume. On the day preceding the symposium, Academia Sinica hosted a one-day workshop titled Frontiers of Algorithms and Computation for early-arriving ISAAC attendees.

We would like to acknowledge the contributions of the following:

- **Organizer:** National Cheng Kung University
- **Co-organizer:** Academia Sinica
- **Sponsors:** National Science and Technology Council (Taiwan) and Association for Algorithms and Computation Theory (Taiwan)

We thank all authors who submitted extended abstracts for consideration, the program committee members for their scholarly efforts, and the external reviewers who assisted in the evaluation process.

December 2025

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