24th International Symposium on Experimental Algorithms

SEA 2026, June 22–24, 2026, Copenhagen, Denmark

Edited by

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Preface

The *24th International Symposium on Experimental Algorithms* (SEA 2026) was held at the IDA Conference Center in Copenhagen, Denmark, from June 22 to 24, 2026. SEA, known as the *Workshop on Experimental Algorithms* (WEA) until 2008, is an established venue for researchers working on the design, analysis, experimental evaluation, and engineering of algorithms, as well as on computational optimization and its applications.

SEA aims to foster a collegial environment that encourages collaboration and exchange among participants and solicits high-quality original research papers on all aspects of experimental algorithms. The symposium attracts contributions from both the Computer Science and the Operations Research/Mathematical Programming communities and welcomes submissions presenting novel applications of algorithms across a broad range of disciplines. Submissions are expected to present significant results supported by experimental evaluation, address methodological aspects of experimental design and analysis, explore heuristic approaches, or provide application-driven case studies.

In response to the call for papers, the Program Committee received 60 submissions, of which 28 papers were selected for inclusion in the scientific program, corresponding to an acceptance rate of 46.7 %. For the second consecutive year, a double-blind reviewing process was employed. Each submission received at least three reviews from members of the Program Committee or external reviewers. Paper selection was based on originality, quality, relevance, and presentation.

The accepted papers cover a broad range of topics, including graph algorithms and optimization, data structures and compressed indexing, string algorithms, computational geometry, graph partitioning, and hashing and filtering data structures. Selected outstanding papers were invited for inclusion in a special issue of *Algorithmica*. In addition to the contributed papers, the conference featured three plenary lectures. Charalampos E. Tsourakakis discussed *Algorithmic Primitives for Finding Dense Structures in Rich Graph Data*, Inge Li Gørtz presented *Locality Sensitive Hashing and Compressed Computation*, and Sebastian Wild gave a talk on *Adaptive Sorting and Searching from Theory to Practice*.

We are grateful to all authors who submitted papers, the 30 members of the Program Committee for their dedication, and the 57 external reviewers for their valuable contributions to the evaluation process. A special thanks goes to the Local Organizing Committee, consisting of Martin Aumüller and Holger Dell (IT University of Copenhagen), for their excellent work. We also thank the SEA Steering Committee for their support and guidance. SEA 2026 received financial support by the Carlsberg Foundation, grant CF26-0597.

We hope that SEA 2026 fostered stimulating discussions and collaborations and that readers will enjoy the contributions presented in these proceedings.

April 2026 Martin Aumüller and Irene Finocchi

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