

24th International Symposium on Experimental Algorithms

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

Edited by

Martin Aumüller

Irene Finocchi



Editors

Martin Aumüller 

IT University of Copenhagen, Denmark
maau@itu.dk

Irene Finocchi 

Luiss Guido Carli University, Rome, Italy
finocchi@luiss.it

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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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■ List of Authors

Christian Abdullahad (1)
University of Konstanz, Germany

Deepak Ajwani (2)
University College Dublin, Ireland

Dildar Ali (3)
Department of Computer Science and
Engineering, Indian Institute of Technology
Jammu, India

Claudio Arbib (4)
Dipartimento di Ingegneria/Scienze
dell'Informazione e Matematica, Università degli
Studi dell'Aquila, Italy; Centre of Excellence
DEWS, Coppito, Italy

Suman Banerjee (3)
Department of Computer Science and
Engineering, Indian Institute of Technology
Jammu, India

Linus Baumgärtner (5)
Heidelberg University, Germany

Thijs Beurskens (6)
TU Eindhoven, The Netherlands

Philip Bille (7)
Department of Applied Mathematics and
Computer Science (DTU Compute), Technical
University of Denmark, Lyngby, Denmark

Nathaniel K. Brown (9)
Department of Computer Science, Johns
Hopkins University, Baltimore, MD, USA

Fritz Bökler (8)
Institute of Computer Science, Osnabrück
University, Germany

Gabriel Carmona (10)
Department of Computer Science, University of
Pisa, Italy

Adil Chhabra (5)
Heidelberg University, Germany

Markus Chimani (8)
Institute of Computer Science, Osnabrück
University, Germany

Eric Chiu (11, 12)
Department of Computer Science, Stony Brook
University, NY, USA

Robert Clausecker (13)
Zuse Institute Berlin, Germany

Andrea D'Ascenzo (4, 14)
Department of Computer Science, Gran Sasso
Science Institute, L'Aquila, Italy

Noé Demange (15)
DAVID lab, UVSQ - University Paris-Saclay,
Versailles, France

Patrick Dinklage (16)
TU Dortmund University, Germany

Tim Donkiewicz (17)
Chair of Operations Research, RWTH Aachen
University, Germany

Shubham Dwivedi (18)
Independent Researcher, Kanpur, India

Marcia Fampa (28)
Universidade Federal do Rio de Janeiro, Brasil

Marcelo Fonseca Faraj (5)
A+W Software, Fenwald, Germany

Antonio Fernández Anta (23)
IMDEA Software Institute, Madrid, Spain;
IMDEA Networks Institute, Madrid, Spain

Vojtěch Gadurek (19)
Computer Science Institute of Charles
University, Prague, Czech Republic

Ragnar Groot Koerkamp (20)
Karlsruhe Institute of Technology, Germany

Emil Toftegaard Gæde (6)
Technical University of Denmark, Kongens
Lyngby, Denmark

Inge Li Gørtz (7)
Department of Applied Mathematics and
Computer Science (DTU Compute), Technical
University of Denmark, Lyngby, Denmark

Luke Hawranick (21)
University of South Carolina, Columbia, SC,
USA

Sandy Irani (27)
Department of Computer Science, University of
California, Irvine, CA, USA

Henning Jasper (8)
Institute of Computer Science, Osnabrück
University, Germany

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Ansh Jasrotia  (3)
Department of Information Technology, National
Institute of Technology Srinagar, India

Melvin Kallmayer  (2)
Goethe University Frankfurt, Germany

Oya E. Karasan  (4)
Department of Industrial Engineering, Bilkent
University, Ankara, Turkey

Arivarasan Karmegam  (23)
IMDEA Networks Institute, Madrid, Spain;
Universidad Carlos III de Madrid, Spain

Dominik Kempa  (11, 12)
Department of Computer Science, Stony Brook
University, NY, USA

Lucianna Kiffer  (23)
IMDEA Networks Institute, Madrid, Spain

Cody Klingler (21)
West Virginia University, Morgantown, WV,
USA

Florian Kurpicz  (13)
University of Mnster, Germany

Kenneth Langedal  (25)
Faculty of Mathematics and Computer Science,
Heidelberg University, Germany

Ben Langmead  (9)
Department of Computer Science, Johns
Hopkins University, Baltimore, MD, USA

Filippo Lari  (10)
Department of Computer Science, University of
Pisa, Italy

Jon Lee  (28)
University of Michigan, Ann Arbor, MI, USA

Alexander Leonhardt  (2)
Goethe University Frankfurt, Germany

Antoine Limasset  (24)
Univ. Lille, CNRS, Centrale Lille, UMR 9189
CRISTAL, F-59000 Lille, France

Nikolai Maas  (25)
Karlsruhe Institute of Technology, Germany

Ulrich Meyer  (2)
Goethe University Frankfurt, Germany

Ryan O'Connor  (2)
University College Dublin, Ireland

Tim Ophelders  (6)
TU Eindhoven, The Netherlands

Etienne Palanga (13)
TU Dortmund University, Germany

Manuel Penschuck  (2)
University of Southern Denmark, Odense,
Denmark

Andrea Pizzuti  (4)
Dipartimento di Scienze Teoriche e Applicate,
Universit degli Studi eCampus, Novedrate,
Italy

Mximo Prez-Lpez  (7)
Department of Applied Mathematics and
Computer Science (DTU Compute), Technical
University of Denmark, Lyngby, Denmark

Henrik Reinstdtler  (22)
Heidelberg University, Germany

Jacob Restanio  (21)
West Virginia University, Morgantown, WV,
USA

Eva Rotenberg  (22)
IT University of Copenhagen, Denmark

Abishek Salaria  (3)
Department of Information Technology, National
Institute of Technology Srinagar, India

Simeon Schrape  (25)
Karlsruhe Institute of Technology, Germany

Christian Schulz  (5)
Heidelberg University, Germany

Daniel Seemaier  (25)
Karlsruhe Institute of Technology, Germany

Willem Sonke  (6)
TU Eindhoven, The Netherlands

Bettina Speckmann  (6)
TU Eindhoven, The Netherlands

Sabine Storandt  (1)
University of Konstanz, Germany

Yann Strozecki  (15)
DAVID lab, UVSQ - University Paris-Saclay,
Versailles, France

K. Subramani  (21)
West Virginia University, Morgantown, WV,
USA

Amitai Uzrad  (26)
Tel Aviv University, Israel

Ivor van der Hoog  (22)
IT University of Copenhagen, Denmark

Kevin Verbeek  (6)

TU Eindhoven, The Netherlands

Pavel Veselý  (19)

Computer Science Institute of Charles

University, Prague, Czech Republic

Sandrine Vial  (15)

DAVID lab, UVSQ - University Paris-Saclay,

Versailles, France

Fan Wang  (27)

Department of Computer Science, University of

California, Irvine, CA, USA

Matthew Williamson  (21)

Marietta College, OH, USA

Paulo Michel F. Yamagishi  (28)

Universidade Federal do Rio de Janeiro, Brasil

