

14th International Symposium on Experimental Algorithms (SEA 2015)

<http://sea2015.lip6.fr>

June 29 - July 1, 2015

Paris, France



Call for Papers

IMPORTANT DATES

Submission deadline: February 6, 2015

Author notification: March 16, 2015

Camera-ready submission: April 3, 2015

AIMS & SCOPE

SEA is an international forum for researchers in the area of design, analysis, and experimental evaluation and engineering of algorithms, as well as in various aspects of computational optimization and its applications. The preceding symposia were held in Riga, Monte Verita, Rio de Janeiro, Santorini, Menorca Island, Rome, Cape Cod, Dortmund, Ischia Island, Crete, Bordeaux, Rome and Copenhagen.

The main theme of the symposium is the role of experimentation and of algorithm-engineering techniques in the design and evaluation of algorithms and data structures. Submissions should present significant contributions supported by experimental evaluation, methodological issues in the design and interpretation of experiments, the use of (meta-)heuristics, or application-driven case studies that deepen the understanding of the complexity of a problem.

Topics of interest include, but are not limited to:

- Algorithm Engineering
- Algorithmic Libraries
- Algorithmic Mechanism Design
- Analysis of Algorithms
- Algorithms for Memory Hierarchies
- Approximation Techniques
- Bioinformatics
- Branch-and-Bound Algorithms
- Combinatorial and Irregular Problems
- Combinatorial Structures and Graphs
- Communication Networks
- Complex Networks
- Computational Geometry
- Computational Learning Theory
- Computational Optimization
- Computer Systems
- Cryptography and Security
- Data Streams
- Data Structures
- Distributed and Parallel Algorithms
- Evaluation of Algorithms for Realistic Environments
- Experimental Techniques and Statistics
- Graph Drawing
- Heuristics for Combinatorial Optimization
- Implementation, Testing, Evaluation and Fine-tuning
- Information Retrieval
- Integer Programming
- Logistics and Operations Management
- Machine Learning and Data Mining
- Mathematical Programming
- Metaheuristic Methodologies
- Multiple Criteria Decision Making
- Network Analysis
- Novel Applications of Algorithms in Other Disciplines
- Online Problems
- Parallel Algorithms and Computing
- Railway Optimization using Algorithmic Methods
- Randomized Techniques
- Robotics
- Semidefinite Programming
- Simulation
- Software Repositories and Platforms for using Algorithms
- Telecommunications and Networking
- World-Wide-Web Algorithms

PROGRAM COMMITTEE

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Norbert Zeh, Halifax

SUBMISSIONS

Authors are invited to submit high-quality manuscripts reporting original unpublished research and recent developments in the topics related to the symposium. Simultaneous submission to other conferences or workshops with published proceedings is not allowed.

Submissions must not exceed 12 pages formatted according to LNCS style plus an optional, clearly marked appendix of reasonable length (to be read at the program committee's discretion). All papers will be peer reviewed and comments will be provided to the authors.

PROCEEDINGS

Accepted papers will appear in the SEA 2015 proceedings published by Springer in the LNCS series.

CONTACT

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