

WEA 2008

SEA 2009

SEA 2010

8th International Symposium on Experimental Algorithms

<http://www.sea2009.org>

June 3-6, 2009

Faculty of Computer Science, Technische Universität Dortmund, Germany

Call for Papers

SEA, previously known as WEA (Workshop on Experimental Algorithms), is an international forum for researchers in the area of experimental evaluation and engineering of algorithms, as well as in various aspects of computational optimization and its applications.

Previous meetings were held in Riga (Latvia, 2001), Ascona (Switzerland, 2003), Angra dos Reis (Brazil, 2004), Santorini (Greece, 2005), Menorca Island (Spain, 2006), Rome (Italy, 2007), and Cape Cod (USA, 2008).

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CONTACT

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SCOPE

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 a problem's complexity.

Contributions solicited cover a variety of topics including but not limited to:

- Algorithm Engineering
- Analysis of Algorithms
- Approximation Techniques
- Bioinformatics
- Combinatorial Structures and Graphs
- Communication Networks
- Computational Geometry
- Computational Learning Theory
- Computational Optimization
- Cryptography and Security
- Data Structures
- Distributed and Parallel Algorithms
- Experimental Techniques and Statistics
- Graph Drawing
- Information Retrieval
- Logistics and Operations Management
- Machine Learning and Data Mining
- Mathematical Programming
- Metaheuristic Methodologies
- Multiple Criteria Decision Making
- Network Analysis
- On-line Problems
- Randomized Techniques
- Robotics
- Software Repositories and Platforms

IMPORTANT DATES

Submission deadline: January 19, 2009 (11:59 pm PST)
Author notification: March 6, 2009
Camera ready due: March 20, 2009
Symposium: June 3-6, 2009

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Authors are invited to submit high-quality manuscripts reporting original unpublished research and recent developments in the topics related to the symposium.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. All papers will be peer reviewed and comments will be provided to the authors. The submission system can be accessed via <http://www.sea2009.org>.

PROCEEDINGS

Accepted papers will appear in the SEA 2009 proceedings published by Springer in the Lecture Notes in Computer Science series.

SPECIAL ISSUE

Selected papers from SEA 2009 will be considered for a special issue of the ACM Journal of Experimental Algorithmics.

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