

WEA 2007

6th International Workshop on Experimental Algorithms

<http://www.dis.uniroma1.it/~wea07>

June 6-9, 2007

School of Engineering, University of Rome "La Sapienza"

Second Call for Papers

WEA 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. The preceding workshops were held in Riga (Latvia, 2001), Ascona (Switzerland, 2003), Angra dos Reis (Brazil, 2004), Santorini (Greece, 2005), and Menorca Island (Spain, 2006).

PROGRAM COMMITTEE

Susanne Albers (U. Freiburg)
Eric Angel (U. Evry Val D'Essonne)
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Ricardo Baeza-Yates (Yahoo! Research)
Jon Bentley (Avaya Labs Research)
Adam Buchsbaum (AT&T Labs--Research)
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Rudolf Fleischer (Fudan U. Shanghai)
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Riko Jacob (ETH Zurich)
Richard Ladner (U. Washington)
Kurt Mehlhorn (MPII Saarbruecken)
Bernard Moret (EPFL)
S. Muthukrishnan (Google)
Petra Mutzel (U. Dortmund)
Giri Narasimhan (Florida International U.)
Robert Sedgewick (Princeton U.)
Thomas Stuetzle (U. Libre de Bruxelles)
Jan Vahrenhold (U. Dortmund)
Renato Werneck (Microsoft Res. Silicon Valley)
Norbert Zeh (Dalhousie U., Halifax)

SCOPE

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

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

IMPORTANT DATES

Submission deadline: **January 20, 2007 (11:59 PM PST)** (strict deadline)
Author notification: **March 7, 2007**
Camera ready due: **March 21, 2007**
Conference: **June 6-9, 2007**

STEERING COMMITTEE

Edoardo Amaldi (Politecnico di Milano)
David A. Bader (Georgia Tech)
Josep Diaz (T.U. Catalonia)
Giuseppe F. Italiano (U. Roma "Tor Vergata")
David Johnson (AT&T Labs--Research)
Klaus Jansen (U. Kiel)
Kurt Mehlhorn (MPII Saarbruecken)
Ian Munro (U. Waterloo)
Sotiris Nikolettseas (U. Patras & CTI)
Jose Rolim (U. Geneva) (chair)
Pavlos Spirakis (U. Patras & CTI)

SUBMISSION

Authors are invited to submit high-quality manuscripts reporting original unpublished research and recent developments in the topics related to the Workshop. Simultaneous submission to other conferences or workshops with published proceedings is not allowed. All papers will be peer reviewed and comments will be provided to the authors.

Submission website:
<http://www.dis.uniroma1.it/~wea07>

PROCEEDINGS & SPECIAL ISSUE

Accepted papers will appear in the WEA 2007 proceedings published by Springer Verlag in the LNCS series.

Selected papers from WEA 2007 will be considered for a Special Issue of the ACM Journal of Experimental Algorithmics (JEA, <http://www.jea.acm.org/>).

PLENARY SPEAKERS

Corinna Cortes (Google)
Peter Sanders (U. Karlsruhe)
Maria J. Serna (T.U. of Catalonia)

ORGANIZING TEAM

Vincenzo Bonifaci (U. Roma "La Sapienza")
Saverio Caminiti (U. Roma "La Sapienza")
Fabio Dellutri (U. Roma "Tor Vergata")
Camil Demetrescu (U. Roma "La Sapienza")
Irene Finocchi (U. Roma "La Sapienza")
Luigi Laura (U. Roma "La Sapienza")
Andrea Vitaletti (U. Roma "La Sapienza")

CONTACT

Camil Demetrescu
Dipartimento di Informatica e Sistemistica
Università di Roma "La Sapienza"
Via Salaria, 113, 00198 Roma, Italy
Tel.: (+39) 06 4991 8457
Fax: (+39) 06 85300849
Email: demetres@dis.uniroma1.it