

Gianpiero Di Marzio
Dietrich Zwick (Eds.)

Algorithms — ESA 2003

11th Annual European Symposium
on Algorithms, May 6–8, September 2003
Proceedings



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Budapest Hungary September 16 19 2003 Proceedings

Yossi Azar, Thomas Erlebach



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Algorithms - ESA 2003 Giuseppe Di Battista, Uri Zwick, 2003-10-02 This book constitutes the refereed proceedings of the 11th Annual European Symposium on Algorithms ESA 2003 held in Budapest Hungary in September 2003. The 66 revised full papers presented were carefully reviewed and selected from 165 submissions. The scope of the papers spans the entire range of algorithmics from design and mathematical analysis issues to real world applications engineering and experimental analysis of algorithms. *Algorithms - ESA 2010* Mark de Berg, Ulrich Meyer, 2010 **Algorithms - ESA 2010** Mark de

Berg, Ulrich Meyer, 2010-09-02 Annotation This book constitutes the proceedings of the 18th Annual European Symposium on Algorithms held in Liverpool UK in September 2010. **Algorithms -- ESA 2004** Susanne Albers, Tomasz Radzik, 2004-09-01 This book constitutes the refereed proceedings of the 12th Annual European Symposium on Algorithms ESA 2004 held in Bergen Norway in September 2004. The 70 revised full papers presented were carefully reviewed from 208 submissions. The scope of the papers spans the entire range of algorithmics from design and mathematical issues to real world applications in various fields and engineering and analysis of algorithms. **ALGORITHMS - ESA '94** Jan Van Leeuwen, 1994

Algorithms - ESA 2014 Andreas S. Schulz, Dorothea Wagner, 2014-08-16 This book constitutes the refereed proceedings of the 22st Annual European Symposium on Algorithms ESA 2014 held in Wroc aw Poland in September 2014 as part of ALGO 2014. The 69 revised full papers presented were carefully reviewed and selected from 269 initial submissions: 57 out of 221 in Track A Design and Analysis and 12 out of 48 in Track B Engineering and Applications. The papers present original research in the areas of design and mathematical analysis of algorithms engineering experimental analysis and real world applications of algorithms and data structures. **Algorithms - ESA 2009** Amos Fiat, Peter Sanders, 2009-09-19 This volume

contains the papers presented at ESA 2009. The 17th Annual European Symposium on Algorithms September 7-9 2009. ESA has been held annually since 1993 and seeks to cover both theoretical and engineering aspects of algorithms. The authors were asked to classify their paper under one or more categories as described in Fig 1. Since 2001 ESA has been the core of the larger ALGO conference which typically includes several satellite conferences. ALGO 2009 was held at the IT University of Copenhagen Denmark. The members of the ALGO 2009 organizing Committee were chaired by Thore Husfeldt. The ESA submission deadline was April 12 Easter Sunday. This was clearly an error and we offer profuse apologies for this mistake. Albeit no excuse the hard constraints we faced were a ICALP notification April 6 and b ESA in Copenhagen September 7. Between these two endpoints we needed to design a schedule that allowed modifying ICALP rejections for resubmission 1 week. Program Committee deliberations 7 weeks preparing final versions 4 weeks and to prepare publish and transport the proceedings 9 weeks. ESA 2009 had 272 submissions of which 14 were withdrawn overtime. Of the remaining 222 submissions to Track A Design and Analysis 56 were accepted. Of the remaining 36 submissions to Track B Engineering and Applications 10 were accepted. This gives an acceptance rate of slightly under 25%. *Approximation and Online Algorithms* Klaus

Jansen, Roberto Solis-Oba, 2004-02-03 The Workshop on Approximation and Online Algorithms WAOA 2003 focused on the design and analysis of algorithms for online and computationally hard problems Both kinds of problems have a large number of applications arising from a variety of fields The workshop also covered experimental research on approximation and online algorithms WAOA 2003 took place in Budapest Hungary from September 16 to September 18 The workshop was part of the ALGO 2003 event which also hosted ESA 2003 WABI 2003 and ATMOS 2003 Topics of interest for WAOA 2003 were competitive analysis in approximation results randomization techniques approximation classes scheduling coloring and partitioning cuts and connectivity packing and covering geometric problems network design and applications to game theory and financial problems In response to our call for papers we received 41 submissions Each submission was reviewed by at least 3 referees who judged the papers on originality quality and consistency with the topics of the conference Based on these reviews the program committee selected 19 papers for presentation at the workshop and for publication in this proceedings This volume contains the 19 selected papers and 5 invited abstracts from an ARACNE minisymposium which took place as part of WAOA

Algorithms -- ESA 2011 Camil Demetrescu, Magnus M. Halldorsson, 2011-08-31 This book constitutes the refereed proceedings of the 19th Annual European Symposium on Algorithms ESA 2011 held in Saarbrücken Germany in September 2011 in the context of the combined conference ALGO 2011 The 67 revised full papers presented were carefully reviewed and selected from 255 initial submissions 55 out of 209 in track design and analysis and 12 out of 46 in track engineering and applications The papers are organized in topical sections on approximation algorithms computational geometry game theory graph algorithms stable matchings and auctions optimization online algorithms exponential time algorithms parameterized algorithms scheduling data structures graphs and games distributed computing and networking strings and sorting as well as local search and set systems

Algorithms - ESA 2002 Rolf Möhring, Rajeev Raman, 2002

Algorithms - ESA 2015 Nikhil Bansal, Irene Finocchi, 2015-09-01 This book constitutes the refereed proceedings of the 23rd Annual European Symposium on Algorithms ESA 2015 held in Patras Greece in September 2015 as part of ALGO 2015 The 86 revised full papers presented together with two invited lectures were carefully reviewed and selected from 320 initial submissions 71 out of 261 in Track A Design and Analysis and 15 out of 59 in Track B Engineering and Applications The papers present real world applications engineering and experimental analysis of algorithms

ALGORITHMS - ESA '95 Paul G. Spirakis, 1995

Algorithms - ESA '95 Paul Spirakis, 1995-09-13 This book constitutes the proceedings of the Third Annual European Symposium on Algorithms ESA 95 held in Corfu Greece in September 1995 The volume presents 42 full revised papers selected during a careful refereeing process from a total of 119 submissions in addition there is a prominent keynote address This year the scope has been further expanded to new areas of computational endeavour in science the book covers many aspects of algorithms research and application ranging from combinatorial mathematics to hardware design

Algorithms - ESA 2014 Andreas S. Schulz, Dorothea Wagner, 2014-10-09

Algorithms - ESA 2006 Yossi Azar, Thomas Erlebach, 2006-09-12 This book constitutes the refereed proceedings of the 14th Annual European Symposium on Algorithms ESA 2006 held in Zurich Switzerland in the context of the combined conference ALGO 2006 The book presents 70 revised full papers together with abstracts of 3 invited lectures The papers address all current subjects in algorithmics reaching from design and analysis issues of algorithms over to real world applications and engineering of algorithms in various fields

Algorithms - ESA 2008 Dan Halperin, 2008-09-18 and relevance to the symposium The Program Committees of both tracks met in Karlsruhe on May 24 25 2008 The design and analysis track selected 51 papers out of 147 submissions The engineering and applications track selected 16 out of 53 submissions

Algorithms -- ESA 2012 Leah Epstein, Paolo Ferragina, 2012-08-30 This book constitutes the refereed proceedings of the 20th Annual European Symposium on Algorithms ESA 2012 held in Ljubljana Slovenia in September 2012 in the context of the combined conference ALGO 2012 The 69 revised full papers presented were carefully reviewed and selected from 285 initial submissions 56 out of 231 in track design and analysis and 13 out of 54 in track engineering and applications The papers are organized in topical sections such as algorithm engineering algorithmic aspects of networks algorithmic game theory approximation algorithms computational biology computational finance computational geometry combinatorial optimization data compression data structures databases and information retrieval distributed and parallel computing graph algorithms hierarchical memories heuristics and meta heuristics mathematical programming mobile computing on line algorithms parameterized complexity pattern matching quantum computing randomized algorithms scheduling and resource allocation problems streaming algorithms

Algorithms - ESA 2005 Gerth S. Brodal, Stefano Leonardi, 2005-10-07 This book constitutes the refereed proceedings of the 13th Annual European Symposium on Algorithms ESA 2005 held in Palma de Mallorca Spain in September 2005 in the context of the combined conference ALGO 2005 The 75 revised full papers presented together with abstracts of 3 invited lectures were carefully reviewed and selected from 244 submissions The papers address all current issues in algorithmics reaching from design and mathematical issues over real world applications in various fields up to engineering and analysis of algorithms

Algorithms - ESA '96 Josep Díaz, Maria Serna, 1996-09-11 This book constitutes the refereed proceedings of the 4th European Symposium on Algorithms ESA 96 held in Barcelona Spain in September 1996 The book presents 40 revised full papers selected from 124 submissions also are included extended abstracts of two invited presentations The papers included cover all research areas on algorithms and their analysis as it is carried out in the fields of computer science discrete applied and algorithmic mathematics operations research and all other areas of algorithms oriented research design and analysis

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