Newsletter 21 of EUROPT

EUROPT - The Continuous Optimization Working Group of EURO

http://www.iam.metu.edu.tr/EUROPT/

October 2010

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Words from the chair

Dear members of EUROPT,

It is my pleasure to greet you as the chair of EUROPT. First of all, I would like to thank the Managing Board of 2008-2010 and the chair, Prof. *Marco A. Lopez*, in particular.

Members of EUROPT have voted this summer and I am happy to tell you that the **Managing Board** of EUROPT for the period 2010-2012 is the following:

Kaisa Miettinen - chair, *Mirjam Duer* - vice-chair,
Janos Pinter, Leonidas Sakalauskas, Oliver Stein, and *Tatiana Tchemisova*.

In the next newsletter we shall introduce the Managing Board more.

Did you know that EUROPT is now 10 years old? This year, we have had the EUROPT Workshop in Aveiro, Portugal and in that event Prof. *Gerhard-Wilhelm Weber*'s permanent service to EUROPT, during the ten years of its existence, was acknowledged by appointing him as the **Honorary Chair** of EUROPT. Without his initiatives, intensive dedication, encouragement and advice, EUROPT would not have reached its present development, and its consolidation as the European home for so many young researchers. With this appointment EUROPT wished to express to him deep gratitude and hope for continuing fruitful collaboration. Congratulations, Willi!

Furthermore, as a part of the ten year's celebration, Prof. *Yurii Nesterov* (Catholic University of Louvain, Belgium) was awarded in Aveiro the title of the **EUROPT Fellow 2010** for his extraordinary achievements in EUROPT. Congratulations!

This newsletter is full of information about upcoming conferences and many pieces of useful information - please enjoy! It is now time to thank Prof. *Domingos M. Cardoso* for his valuable work as the **Newsletter Editor** for the past two years. I am happy that *Tatiana Tchemisova* can continue the important work and is the Newsletter Editor of the new Managing Board.

In case you have ideas of further development of EUROPT and how it could serve its members better, please, do not hesitate to contact me!

With best wishes for fruitful collaboration,

Kaisa Mittenen, Chair of EUROPT
University of Jyvaskyla, Finland
kaisa.miettinen@jyu.fi

Forthcoming Events

- ## Colloquium on Combinatorics

Saarbrcken , Germany
NOVEMBER 12 - 13, 2010

www.easychair.org/conferences/?conf=cpaior2011

General information. This conference traditionally attracts both young researchers and well established scientists. The colloquium covers all parts of Combinatorics and Discrete Mathematics in a broad sense, including combinatorial aspects in Algebra, Geometry, Optimization and Computer Science.

Plenary speakers. This year's plenary talks will be given by Dominique Foata (Strasbourg), Daniela Khn (Birmingham), Gabriele Nebe (RWTH Aachen), and - Marc Noy (UPC Barcelona).

Invited talks. Participants are invited to give a 20-minute presentation on their current work. Please register for the conference before October 21 via the conference webpage at http://www.mpi-inf.mpg.de/conferences/kolkom10/index.html

Deadline. If you intend to give a talk, please send an abstract using the template provided on the webpage before October 29.

- ## EURO-SIAM 2010:
European Conference for the Applied Mathematics and Informatics

Vouliagmeni Beach, Athens, Greece
December 29-31, 2010

eurosiam@europment.org

Honorary Chairman: Grigori Perelman, http://worldses.org/perelman/ Dedicated to the Memory of Vladimir Arnold

Plenary Talk. "*Density and Approximation by Radial Basis Functions*" by Professor VITALY MAIOROV

Topics. Numerical Analysis, Differential Equations, Scientific computing, Parallel Computing, Boundary Value Problems. Optimization, Geometry, Computational Geometry, Differential Geometry, Applied Agebra, Combinatorics, Complex Analysis, Flow Dynamics, Electromagnetif Field, Control, Computing science (especially high-performance computing), and mathematical modelling in many scientific disciplinesComputer Languages, Software Engineering, Data Structures, File Structures and Design, Data Bases, Compilers, Knowledge and Data Technology, Pattern Analysis and Machine Intelligence, File Structures for on-line Systems, Operating Systems, Parallel and Distributed Systems, Information Systems, Complexity Theory, Computing Theory, Numerical and Semi-

Numerical Algorithms, Object-Oriented Programming, Parallel Programming, Computerised Signal Processing, Computer Graphics, Computational Geometry, Machine Vision, Computer Elements, Computer Architecture, Computer Packaging, Fault Tolerance Computing, Mass Storage Systems, Microprocessors and microcomputers, Multiple valued Logic, Numerical Analysis, Finite Element, Genetic Algorithms, Game Theory, Operations Research, Optimization Techniques, Real Time Systems, Virtual Reality, Computer Algebra, Symbolic Computation, Simulation, Pattern Analysis, Machine Intelligence, Adaptive and Learning Systems, Classification, Identification, Chaos Fractals and Bifurcations, Analysis and design tools, Simulation, modelling, Emulation, Visualization, Digital Libraries, Hardware Engineering, Programming Techniques in Communications, Networks, Management and Economic Systems, Multimedia, Video technologies, Simulation Techniques Tools, Computers in Armed Forces, Software for Communications Development and Simulation, Social Implications of Modern Communications, Soft Computing and Communications, Smart Interfaces, Intelligent Systems, Supercomputers and Supercomputing, Internet and Internet Computing, Intelligent Agents, Mobile Computing, E-commerce, Privacy Problems, Hardware/Software Codesign,Cryptography, Computer/Communications Integration, Education.

Conference Highlights. A great privilege is that you can attend the following parallel conferences Vouliagmeni, Athens, Greece, December 29-31, 2010:

1. 15th WSEAS Int. Conf. on APPLIED MATHEMATICS;

2. 9th WSEAS Int. Conf. on CIRCUITS, SYSTEMS, ELECTRONICS, CONTROL SIGNAL PROCESSING (CSECS '10)

3. 6th WSEAS Int. Conf. on APPLIED and THEORETICAL MECHANICS (MECHANICS '10)

4. 4th WSEAS Int.Conf. on COMPUTATIONAL CHEMISTRY (COMPUCHEM'10)

5. 6th WSEAS Int. Conf. on CELLULAR and MOLECULAR BIOLOGY, BIOPHYSICS and BIOENGINEERING (BIO'10)

6. 8th WSEAS Int. Conf. on ENVIRONMENT, ECOSYSTEMS and DEVELOPMENT (EED'10)

7. International Conference on Design and Product Development (ICDPD'10)

8. International Conference on Finance and Accounting (ICFA'10)

9. International Conference on Business Administration (ICBA'10)

10. International Conference on Bioscience and Bioinformatics (ICBB'10)

11. International Conference on Automotive and Transportation Systems (ICAT'10)

12. International Conference on Arts and Culture (ICAC'10)

Contact. e.mail: eurosiam@europment.org

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IMPORTANT DAYS

Deadline for Paper Submission: October 31, 2010

Notification of Acceptance: One month after each paper's submission separately

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- ## X INTERNATIONAL CONFERENCE ON APPROXIMATION AND OPTIMIZATION IN THE CARIBBEAN
Costa del Sol, El Salvador
March 6-11, 2011

www.xappopt.wordpress.com

SECOND ANNOUNCEMENT

The Conference is the tenth of a series dedicated to research on Approximation and Optimization which takes place in the Caribbean. The series was jointly initiated by Humboldt University (Berlin), RWTH (Aachen) and Universidad de La Habana. Previous issues were held in La Habana, Cuba (1987 and 1993), Puebla, Mexico (1995), Caracas, Venezuela (1997), Pointe-a-Pitre, Guadeloupe (1999), Ciudad de Guatemala, Guatemala (2001), Leon, Nicaragua (2004), Santo Domingo, Dominican Republic (2006), and San Andres, Colombia (2008).

The Fisrs Call for Papers and the information can be found in the conference web site and in EUROPT Newsletter N.20:

http://www.iam.metu.edu.tr/EUROPT/Newsletter20-EUROPT.pdf

- ## CPAIOR 2011 – Eighth International Conference on Integration of Artificial Intelligence and Operations Research Techniques in Constraint Programming

Berlin, Germany
May 23 - 27, 2011

www.easychair.org/conferences/?conf=cpaior2011

The aim of the conference is to bring together interested researchers from Constraint Programming (CP), Artificial Intelligence (AI), and Operations Research (OR) to present new techniques or new applications in combinatorial optimization and to provide an opportunity for researchers in one area to learn about techniques in the others. A main objective of this conference series is also to give these researchers the opportunity to show how the integration of techniques from different fields can lead to interesting results on large and complex problems. Therefore papers that actively combine, integrate, or contrast approaches from more than one of the areas are especially solicited. High quality papers from a single area are also welcome, provided that they are of interest to other communities involved. Finally, application papers showcasing CP/AI/OR techniques on innovative and challenging applications or experience reports on such applications are strongly encouraged.

Topics. *Inference and relaxation methods:* constraint propagation, cutting planes, global constraints, graph algorithms, dynamic programming, Lagrangean and convex relaxations, heuristic functions based on constraint relaxation. *Search methods:* branch and

bound, intelligent backtracking, incomplete search, randomized search, column generation and other decomposition methods, local search, meta-heuristics. *Integration methods:* static/dynamic problem decomposition, solver communication, transformations between models and solvers, collaboration between concurrent methods, models, and solvers. *Modeling methods:* comparison of models, symmetry breaking, uncertainty, dominance relationships. Innovative Applications of CP/AI/OR techniques, implementation of CP/AI/OR techniques and optimization systems.

Conference organization:

Program Chairs: Tobias Achterberg, J. Christopher Beck

Conference Chairs: Timo Berthold, Ambros M. Gleixner, Stefan Heinz, Thorsten Koch

Instruction for long papers: Long papers should present original unpublished work and be at most 15 pages plus references in length, and should be prepared in the format used for the Springer Lecture Notes in Computer Science series (http://www.springer.de/comp/lncs/authors.html). These papers will undergo rigorous review. The proceedings will be published in the Springer Lecture Notes in Computer Science series.

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LONG PAPER SUBMISSION:

Abstract due : January 9, 2011 11.59 P.M. PST
Full paper due: January 16, 2011 11.59 P.M. PST
Notification: February 20, 2011
Final version due: March 6, 2011

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Instruction for short papers: Short papers are also encouraged, limited to 5 LNCS pages plus references and should be prepared with the same format as long papers (http://www.springer.de/comp/lncs/authors.html). Although containing less material, short papers should describe original unpublished work and will be reviewed to the same criteria of quality as long papers. It is also encouraged to submit short papers about work in progress on ideas that are interesting but for which the practical or theoretical relevance is not yet fully identified. Short papers will be presented at the conference and published in the conference proceedings.

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SHORT PAPER SUBMISSION:

Paper due: January 26, 2011 11.59 P.M. PST
Notification: February 20, 2011
Final version due: March 6, 2011

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Submission notes. All papers are to be submitted electronically in PDF format by following the instructions at the URL http://www.easychair.org/conferences/?conf=cpaior2011

Contact. For any queries on the paper submission process, please contact the Program Chairs on the email cpaior-pc@zib.de.

• MCDM 2011:
21st International Conference on Multiple Criteria Decision Making

University of Jyväskylä, Finland
June 13 - 17, 2011

www.jyu.fi/en/congress/mcdm2011

Theme and aims. The theme for the Conference is Environment and Policy, which are active areas of application of MCDM tools in Finland (as well as around the world). The conference aims to bring together researchers and practitioners who address multiple criteria decision making. Participants are warmly welcome to submit work relevant to the original theme. However, we invite papers, abstracts and discussions on all aspects of multiple criteria decision making and multiobjective optimization.

Venue.

The Conference will be held in the Agora Building, located on the Mattilanniemi campus of the University of Jyväskylä. The Agora Building offers an excellent venue for this conference next to lake Jyväsjärvi.

Organizing Committee. Kaisa Miettinen (General Chair, Univ. of Jyväskylä, Dept. of MIT), Jussi Hakanen (Univ. of Jyväskylä, Dept. of MIT), Pekka Salminen (Univ. of Jyväskylä, School of Business and Economics), Tero Tuovinen (Univ. of Jyväskylä, Dept. of MIT), Hannele Wallenius (Aalto University School of Science and Technology), Marja-Leena Rantalainen (Secretary, Univ. of Jyväskylä, Dept. of MIT)

Programm Committee. Pekka Korhonen (*co-chair*), Aalto University School of Economics, FINLAND Jyrki Wallenius (*co-chair*)
Aalto University School of Economics, FINLAND, Christer Carlsson, Åbo Akademi, FINLAND, Kalyanmoy Deb, IIT Kanpur, INDIA Aalto University School of Economics, FINLAND, Matthias Ehrgott, University of Auckland, NEW ZEALAND, Raimo Hämäläinen, Aalto University School of Science and Technology, FINLAND, Juhani Koski, Tampere University of Technology, FINLAND, Gang Kou, University of Electronic Science and Technology of China, Chengdu, CHINA, Murat Köksalan, Middle East Technical University, TURKEY, Kaisa Miettinen, University of Jyväskylä, FINLAND, Jaap Spronk, Rotterdam School of Management, Erasmus University, NETHERLANDS, Ralph E. Steuer, University of Georgia, USA, Daniel Vanderpooten, Universite Paris Dauphine, FRANCE

Executive Committee. Jyrki Wallenius (*President*), Aalto University School of Economics, Finland
Jim Corner, University of Waikato, New Zealand,, Kalyanmoy Deb, IIT Kanpur, INDIA and Aalto University School of Economics, Finland, Jim dyer, The University of Texas at Austin, USA, Matthias Ehrgott, University of Auckland, New Zealand, José Rui Figueira, Technical University of Lisbon, Portugal, Xavier Gandibleux, University of Nantes, France, Martin Geiger (Newsletter Editor), University of Hohenheim, Germany, Birsen Karpak (Vice-President of Finance), Youngstown State University, USA, Pekka Korhonen (Chairman of the Awards Committee), Aalto University School of Economics, Finland, Kaisa Miettinen (President-Elect, Future Meeting Ex-Officio), University of Jyväskylä, Finland, Gilberto Montibeller, London School of Economics, UK, Ro-

man Slowinski, Poznan University of Technology, Poland, Yong Shi (Past Meeting Ex-Officio), Chinese Academy of Sciences, China and University of Nebraska at Omaha, USA, Theodor J. Stewart (Immediate Past-President), University of Cape Town, South Africa, Shouyang Wang (Past Meeting Ex-Officio), Chinese Academy of Sciences, China, Francisco Ruiz (Secretary), University of Málaga, Spain

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IMPORTANT DAYS

Deadline of Abstracts: January 31st, 2011
Acceptance announcement: February 28th, 2011
Deadline for early-bird registration: March 15th, 2011
Deadline for registration: May 1st, 2011

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• IFORS 2011:
19th Triennial Conference of the International Federation of Operational Research Societies
World OR: Global Economy and Sustainable Environment
Melbourne, Australia
July 10 - 15, 2011

www.ifors2011.org

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Aims and Scope. Recent natural catastrophes and man-made crises have underscored the inter-connectedness of our world. Any upheaval leads to momentous reverberations across the globe with impacts well into the future. Now more than ever, Operational Research is of strategic importance to address problems critical to the economy and the environment. Academics and practitioners are invited to share their knowledge, experience and insights on theory, methodology and application of operational research to issues of vital concern to the global community.

The Opening Plenary talk "Optimal Choice Sets: How tightly should we regulate?" will be given by Sir James Mirrlees, Trinity College, Cambridge, Nobel laureate in Economics 1996.

Abstract Submission. Papers on all aspects of Operational Research are invited. Authors wishing to present are requested to submit an abstract of not more than 100 words via the Abstract Submission system at: http://www.euro-online.org/conf/ifors2011/

Scientific Program. The scientific program includes over 50 invited streams covering all aspects of Operations Research.

Programme Committee Chair. Prof. Janny M.Y. Leung, Department of Systems Engineering and Engineering Management, The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong, Phone: +(852) 2609-8238, E-mail: jleung@se.cuhk.edu.hk

Conference Organising Committee.

Chair: Dr Patrick Tobin, School of Arts and Sciences (Vic), Australian Catholic University, Melbourne Campus (St Patrick's).

Phone: +61 3 9953 3199, Fax: +61 3 9495 6141, e.mail: Patrick.Tobin@acu.edu.au

Secretary: Ms. Kaye Marion, Senior lecturer in Operations Research and Statistics, School of Mathematical and Geospatial Sciences, RMIT University.

Phone: +61 3 9925 3162, e.mail: k.marion@rmit.edu.au

Treasurer: Assoc Prof Paul Lochert

Phone: +61 3 9802 4628, e.mail: plochert@bigpond.net.au

Organizing Committee:

- Prof Baikunth Nath, Computer Science and Software Engineering University of Melbourne
  Phone: +61 3 8344 1400, e.mail: baikunth@unimelb.edu.au

- Prof John Hearne, Head, School of Mathematical and Geospatial Sciences, RMIT University
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- Prof Natashia Boland, School of Mathematical and Physical Sciences, University of Newcastle
  Phone: +61 2 4921 6717, Fax: +61 2 4921 6898, e.mail: Natashia.Boland@newcastle.edu.au

Invited Streams and Organisers:

Airline Applications- Matthias Ehrgott m.ehrgott@auckland.ac.nz;

Analytic Hierarchy Process- Josef Jablonsky Jablon@vse.cz;

Applied Probability- Peter Taylor P.Taylor@ms.unimelb.edu.au;

Approximation Algorithms- Hans Kellerer hans.kellerer@uni-graz.at;

Bioinformatics- Ceyda Oguz coguz@ku.edu.tr;

Combinatorial Optimization- Silvano Martello silvano.martello@unibo.it;

Constraint Programming (CP-AI)- Jimmy Lee jlee@cse.cuhk.edu.hk,

   Mark Wallace Mark.Wallace@infotech.monash.edu.au,

   Natashia Bolland Natashia.Boland@newcastle.edu.au;

Continuous Optimisation - (Friends from Continuous Optimization are welcome) – Gerhard Wilhelm Weber gweber@metu.edu.tr;

Cutting and Packing- David Pisinger pisinger@diku.dk, Jose Oliveira jfo@fe.up.pt;

Data Envelopement Analysis- Ali Emrouznejad a.emrouznejad@aston.ac.uk;

Discrete Optimisation- Gerhard Reinelt

Dynamic Programming- Thomas Archibald T.Archibald@ed.ac.uk,

   Lidija Zadnik-Stirn Lidija.Zadnik@bf.uni-lj.si;

Economics of Operations- Chung-Piaw Teo bizteocp@nus.edu.sg;

Education- Jim Cochran jcochran@cab.latech.edu;

Emergency Evacuation and Response- Elise Miller-Hooks elisemh@umd.edu;

Forestry applications- Andres Weintraub aweintra@dii.uchile.cl;

Fuzzy Logic- Janos Fodor fodor@bmf.hu;

Game Theory- Fouad El Ouardighi elouardighi@essec.fr;

Health Care Applications- Leonid Churilov lchurilov@nsri.org.au;

Integer Programming- Sungsoo Park sspark@kaist.ac.kr;

Knowledge Management and Data Mining- Jo Smedley Jo.Smedley@newport.ac.uk;

Learning and Intelligent Optimisation- KateSmith-Miles kate.smith-miles@sci.monash.edu.au;

Maritime Transportation and Logistics- Harilaos Psaraftis hnpsar@central.ntua.gr,

　　　Heng Soon Gan hsg@unimelb.edu.au;

Marketing and OM Interface- Kathryn Stecke Kstecke@utdallas.edu;

Meta-heuristics- Celso Riberio celso@inf.puc-rio.br, Stefan Voss stefan.voss@hamburg.de;

Military, Defense and Security Applications- Greg Parlier gparlier@ida.org;

Mining Applications- Alexandra Newman anewman@mines.edu,

　　　Lou Caccetta caccetta@maths.curtin.edu.au;

Multicriteria Decision Analysis and Decision Support- Theo Stewart theodor.stewart@uct.ac.za,

　　　Jyrki Wallenius Jyrki.Wallenius@hse.fi,

　　　Roman Slowinski roman.slowinski@cs.put.poznan.pl;

Network Optimization and Telecommunications- Luis Gouveia legouveia@fc.ul.pt,

　　　Bernard Fortz bernard.fortz@ulb.ac.be;

Non-linear discrete optimisation- Duan Li dli@se.cuhk.edu.hk, Xiaoling Sun xls@fudan.edu.cn;

Non-linear optimisation - Ya-xiang Yuan yyx@lsec.cc.ac.cn;

Non-smooth optimisation- Andrew Eberhard andy.eb@rmit.edu.au,

　　　Jon Borwein jon.borwein@gmail.com, Regina Burachik Regina.Burachik@unisa.edu.au;

Operations Management- Candi Yano yano@ieor.berkeley.edu;

OR and Energy Markets- Andy Philpott a.philpott@auckland.ac.nz;

OR and Marketing- Christopher Tang chris.tang@anderson.ucla.edu;

OR and Real Implementation- Ben Lev blev@umich.edu;

OR and Sports- Tristan Barnett strategicgames@hotmail.com;

OR and Sustainable Development- Subhash Datta subhash.datta@gmail.com,

　　　Devanath Tirupati devnath@iimb.ernet.in;

OR Applications in Energy- Ilhan Or or@boun.edu.tr;

OR Practice- John Ranyard jranyard@cix.co.uk;

OR software- Bjarni Kristiansson bjarni@maximalsoftware.com;

Public Transit- Dennis Huisman huisman@few.eur.nl;

Revenue Management- Luce Brotcorne luce.brotcorne@inria.fr;

Scheduling- Wieslaw Kubiak wkubiak@mun.ca;

Service and Health Care Operations- Chon Goh cgoh@camden.rutgers.edu,

  Kumar Rajaram krajaram@anderson.ucla.edu;

Service Science and Sustainability- Chung-Yee Lee cylee@ust.hk,

  Grace Lin gracelin.ny@gmail.com;

Soft OR and Problem Structuring- Leroy White Leroy.White@bristol.ac.uk;

Software Engineering- Baikunth Nath baikunth@unimelb.edu.au;

Stochastic optimisation and applications- Laureano Escudero laureano.escudero@urjc.es;

Stochastic programming- Abdel Lisser Abdel.Lisser@lri.fr,

  Ruediger Schultz schultz@math.uni-duisburg.de;

Submodular Structures and Optimization- Satoru Fujishige fujishig@kurims.kyoto-u.ac.jp;

Supply Chain Management- Nesim Erkip nesim@bilkent.edu.tr,

  Tava Lennon Olsen olsen@wustl.edu;

Supply Chain Management in China- Jian Chen

Time-Definite Logistics- Richard Wong rtwong@ups.com;

Transportation- Michel Gendreau michelg@crt.umontreal.ca,

  Maria Grazia Speranza speranza@eco.unibs.it;

Travel- Behaviour Michel Bierlaire michel.bierlaire@epfl.ch;

Vehicle Routing- Richard Eglese R.Eglese@Lancaster.ac.uk,

  Arne Løkketangen Arne.Lokketangen@HiMolde.no.

IFORS Prize for OR in Development. Submissions are invited of papers describing a practical OR application in a developing country, related to education, health, water, technology, resource use, infrastructure, agriculture, environmental concerns, etc.

Enquiries for IFORS Prize for OR in Development should be sent to the *Prize Committee Chair:* Dr. Subhash Datta, Director of the NIILM Centre for Management Studies, Plot No. 53, Knowledge Park V, Greater Noida, UP. India.

E-mail: subhash.datta@gmail.com

Deadline for full paper submission: 30th December, 2010

For the details see the announcement in the section "Awards" of this Newsltetter.

IMPORTANT DAYS
Abstract Submission: January 31, 2011

• ICIAM 2011: 7th International Congress on Industrial and Applied Mathematics

Vancouver, Canada
July 18-22, 2011
www.iciam2011.com

Scope. ICIAM 2011 will highlight the most recent advances in the discipline and demonstrate their applicability to science, engineering and industry. In addition to the traditional, strong focus on applied mathematics, the congress will emphasize industrial applications and computational science in new and emerging topic areas identified by panels of top international scientists. Industrial mathematics will be featured prominently through an integrated program which will highlight the many outstanding contributions of applied mathematics. ICIAM 2011 will also be an opportunity to demonstrate to young researchers and graduate students the vast potential of mathematics.

ICIAM 2011 is being organized by the Canadian Applied Industrial Mathematics Society (CAIMS), MITACS (Mathematics of Information Technology Complex Systems) and the Society for Industrial Applied Mathematics (SIAM).

Key features of the Congress include:

– Thematic minisymposia across the breadth of applied and industrial mathematics;

– Contributed talks and Poster sessions consisting of research posters presented by students, academics and industry;

– Industrial mathematics: there will be a focus on application of mathematics to problems arising from industry, the economy and society;

– Embedded and satellite meetings. The CAIMS, MITACS and SIAM Annual Meetings will be held concurrently with the Congress;

– Educational activities will be organized targeted to the large number of students expected to attend;

– Public outreach sessions will be organized in the forms of public lectures, interactive displays, special activities for representatives from government agencies and departments, and press activities;

– Exhibits. Exhibitors will be housed in the central gathering area to maximize exposure.

IMPORTANT DAYS

Online registration opens: October, 2010
Submission deadline for mini-symposium proposals: October 18, 2010
Final decisions announced for mini-symposium proposals: November 8, 2010
Submission deadline - accepted mini-symposia abstracts, contributed paper abstracts: December 15, 2010
Notifications sent to accepted contributed speakers: January 14, 2011
ICIAM 2011 program posted on-line: February /March 2011
Early bird registration closes: April 1, 2011
Online registration closes: June 1, 2011

• Optimization 2011

Lisbon (Caparica), Portugal
July 24-27, 2011

www.fct.unl.pt/optimization2011

FIRST ANNOUNCEMENT

Scope. Optimization 2011 is the seventh edition of a series of Optimization international conferences held every three or four years, in Portugal. This meeting aims to bring together researchers and practitioners from different areas and with distinct backgrounds, but with common interests in optimization. This conference series has international recognition as an important forum of discussion and exchange of ideas, being organized under the auspices of APDIO (the Portuguese Operations Research Society).

In this edition, we feel honored to celebrate the 60th anniversary of our dear colleague Joaquim Joao Judice (Univ. of Coimbra).

Organizing Committee.

Co-Chairs: Paula Amaral, Univ. Nova Lisboa, Ana Luísa Custódio, Univ. Nova Lisboa.

Members: Susana Baptista, Univ. Nova Lisboa; Maria do Carmo Brás, Univ. Nova Lisboa; Isabel Correia, Univ. Nova Lisboa; Nelson Chibeles Martins, Univ. Nova Lisboa; Luís Nunes Vicente, Univ. Coimbra; Manuel Vieira, Univ. Nova Lisboa.

Program Committee.

Co-Chair: Luís Nunes Vicente, Univ. Coimbra

Maria Teresa Almeida, ISEG, UTL, Lisboa; Paula Amaral, Univ. Nova Lisboa; Miguel F. Anjos, Univ. Waterloo; António Pais Antunes, Univ. Coimbra; Carlos Henggeler Antunes, Univ. Coimbra; Maria Eugénia Captivo, Univ. Lisboa; Domingos Cardoso, Univ. Aveiro; José Valério de Carvalho, Univ. Minho; Jorge Orestes Cerdeira, ISA, UTL, Lisboa; João Clímaco, Univ. Coimbra; Miguel Constantino, Univ. Lisboa; Ana Luísa Custódio, Univ. Nova Lisboa; Edite M.G.P. Fernandes, Univ. Minho; José Fernando Gonçalves, Univ. Porto; Luís Gouveia, Univ. Lisboa; Joaquim João Júdice, Univ. Coimbra; Miguel Sousa Lob, INSEAD; Carlos Luz, Inst. Pol. Setúbal; Joaquim R.R.A. Martins, Univ. Michigan; Pedro Coimbra Martins, Inst. Pol. Coimbra; José Fernando Oliveira, Univ. Porto, INESC Porto; Pedro Oliveira, Univ. Minho; José Pinto Paixão, Univ. Lisboa; Margarida Vaz Pato, ISEG, UTL, Lisboa; Ana Paula Barbosa Póvoa, IST, UTL, Lisboa; Helena Ramalhinho Lourenço, Univ. Pompeu Fabra, Barcelona; Rita Almeida Ribeiro, UNINOVA; António José Rodrigues, Univ. Lisboa; Hélder Rodrigues, IST, UTL, Lisboa; João Luís Soares, Univ. Coimbra; Jorge Pinho de Sousa, Univ. Porto, INESC Porto; Tatiana Tchemisova, Univ. Aveiro; A. Ismael F. Vaz, Univ. Minho.

Confirmed plenary speakers.

Gilbert Laporte, HEC Montreal: *New trends in vehicle routing*;

Jean Bernard Lasserre, LAAS-CNRS, Toulouse: *Moments and semidefinite relaxations for parametric optimization*;

Jose Mario Martinez, State University of Campinas: *Unifying inexact restoration, SQP, and augmented Lagrangian methods*;

Mauricio G.C. Resende, ATT Labs - Research: *Using metaheuristics to solve real optimization problems in telecommunications*;

Nick Sahinidis, Carnegie Mellon University: *Recent advances in nonconvex optimization*;

Stephen J. Wright, University of Wisconsin:*Algorithms and applications in sparse optimization.*

Contact: optimization2011@fct.unl.pt

IMPORTANT DAYS

Deadline for abstract submission: March 31, 2011;
Notification of acceptance: May 1, 2011;
Early Registration: Before May 15, 2011.

• MISTA 2011:
Multidisciplinary International Scheduling Conference: Theory and Applications

Arizona, USA
August 9 - 21, 2011
http://www.mistaconference.org/2011/

PRELIMINARY ANNOUNCEMENT

Conference. This conference is the fifth in a series of conferences (the first took place in Nottingham, UK in August 2003, the 2nd in New York in July 2005, the 3rd in Paris in 2007 and the 4th in Dublin in 2009) that serves as a forum for an international community of researchers, practitioners and vendors on all aspects of multi-disciplinary scheduling.

Topics. The conference will cover, but not be limited to, the following disciplines:

Artificial Intelligence, Computer Science, Engineering, Management, Manufacturing, Mathematics, Operational Research.

Aims and scope. The aim is to bring together scheduling researchers and practitioners from all the disciplines that engage with scheduling research. The scope of the conference includes (but is not limited to):

Agent Based Scheduling, Algorithmics, Applications, Automated Reasoning, Batch Scheduling, Commercial Packages, Complexity of Scheduling Problems, Constraint Logic Programming, Delivery Scheduling, Evolutionary Algorithms, Heuristic Search, Knowledge-Based Systems, Large Scale Scheduling, Local Search, Machine Scheduling, Meta-heuristic Search, Multi-processor Scheduling, Process Scheduling, Production Scheduling, Real World Scheduling, Real-Time Scheduling, Rostering, Rule-Based Expert Systems, Shop-Floor Scheduling, Sports Scheduling, Theoretical Scheduling, Timetabling, Transport Scheduling, Vehicle Routing.

Submission Details. Authors are invited to submit papers in one of two categories

Full Papers: These can be up to 10 pages and will be accepted as full papers at the conference.

Extended Abstracts: These shorter papers (to a maximum of 3 pages) will give you the opportunity to present your work at the conference. The abstracts will also appear in the conference proceedings.

Post Conference Special Issue. Both categories of papers will be invited to submit suitably revised and extended versions to a post conference issue of the Journal of Scheduling.

Conference Chairs. John Fowler, Arizona State University, USA; Graham Kendall, University of Nottingham, UK; Barry McCollum, Queens University Belfast, UK.

Deadline. The deadline for submission of papers is provisionally 30th January 2011.

- **14th Meeting of the EURO Working Group on Transportation**
  In Quest for Advanced Models, Tools and Methods for Transportation / Logistics;
  26th Mini EURO Conference
  Intelligent Decision Making in Transportation / Logistics - New Trends and Directions

  Poznan, Poland
  September 6 - 9, 2011

  www.ewgt2011.put.poznan.pl
  www.mec2011.put.poznan.pl

Conference Program. The major focus of both Conferences is modeling and decision making in transportation/ logistics. Thus, the organizers expect that Authors will submit papers presenting a variety of original models and methods enhancing the operations of transportation/logistics systems as well as advanced decision making tools, improving the decision making processes in transportation/logistics. The papers presenting innovative solutions for different transportation/logistics decision problems are welcome.

Topics. The programs of both Conferences are focused on, although not limited, to the following topics:

14th Meeting of the EURO Working Group on Transportation: Transportation modes (air, water, road, rail, intermodal, public); Transportation/logistics infrastructure (design, utilization, maintenance); Transportation/logistics processes; Simulation in transportation/logistics Optimization in transportation/logistics; Fleet management; Traffic management; Travel behavior; Network management; ICT in transportation/logistics; Environmental aspects of transportation; Safety, reliability and quality in transportation; Transportation policy (land use, pricing); Demand analysis in transportation/logistics; Supply chain management.

26th Mini EURO Conference: Multiple criteria decision making and group decision making for/in transportation/logistics; Specialized heuristics and metaheuristics for/in transportation/logistics; Data mining for/in transportation/logistics; Neural networks for/in transportation/logistics; Agent-based modeling for/in transportation/logistics; Risk and uncertainty for/in transportation/logistics; Fuzzy sets and systems for/in transportation/logistics; Stochastic models and algorithms for/in transportation/logistics; Intelligent decision support systems for/in transportation/logistics; Intelligent transportation systems for/in transportation/logistics.

International Scientific Committees:

14th Meeting of the EURO Working Group on Transportation: Andrzej Adamski, AGH University of Science Technology, Cracow, Poland; Jaume Barcelo, Catalonia University of Technology, Barcelona, Spain; Michael Bell, Imperial College London, UK; Maurizio Bielli, National Research Council, Rome, Italy; Michel Bierlaire, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland; Andrzej Chudzikiewicz, Warsaw University of Technolgy, Warsaw, Poland; Kevin Cullinane, Edinburgh Napier University, Edinburgh, UK; Elizabeth Deakin, University of California, Berkeley, USA; Sunder Lall Dhingra, Indian Institute of Technology, Bombay, India; Bernard Gendron, Interuniversity Research Centre on Enterprise Networks, Logistics and Transportation for Québec, Montreal, Canada; Serge Hoogendoorn, Delft University of Technology, Delft, Netherlands; William Lam, The Hong Kong Polytechnic University, Hong Kong, China; Gilbert Laporte, HEC Montreal, Montreal, Canada; Jean-Patrick Lebacque, Paris Institute of Technology, Paris, France; Rosário Macário, Technical University of Lisbon, Portugal; Markos Papageorgiou, Technical University of Crete, Chania, Greece; Michael Patriksson, Chalmers University of Technology, Gothenburg, Sweden; John Polak, Imperial College London, London, UK; Warren Powell, Princeton University, Princeton,USA; Adam Redmer, Poznan University of Technology, Poznan, Poland; Riccardo Rossi, University of Padova, Italy; Werner Rothengatter, Karlsruhe Institute of Technology, Karlsruhe, Germany; Andrzej Rudnicki, Cracow University of Technology, Cracow, Poland; Jorge Freire de Sousa, University of Porto, Portugal; Leena Suhl, University of Paderborn, Paderborn, Germany; Michael Taylor, University of South Australia, Adelaide, Australia; Henk van Zuylen, Delft University of Technology, Delft, Netherlands; Chan Wirasinghe, University of Calgary, Calgary, Canada; Jacek Zak, Poznan University of Technology, Poznan, Poland.

26th Mini EURO Conference:

Jacek Blazewicz, Poznan University of Technology, Poznan, Poland; Teodor Crainic, HEC Montreal, Montreal, Canada; Matthias Ehrgott, The University of Auckland, Auckland, New Zealand; Janusz Kacprzyk, Polish Academy of Sciences, Warsaw, Poland; Mariusz Kaczmarek, Poznan University of Technology, Poznan, Poland; Shinya Kikuchi, Virginia Polytechnic Institute and State University, Falls Church, USA; Zbigniew Michalewicz, University of Adelaide, Adelaide, Australia; Bernard Roy, Paris Dauphine University, Paris, France; Piotr Sawicki, Poznan University of Technology, Poznan, Poland; Tadeusz Sawik, AGH University of Science Technology, Cracow, Poland; Marc Sevaux, University of South Brittany, Lorient, France; Roman Slowinski, Poznan University of Technology, Poznan, Poland; Ralph E. Steuer, University of Georgia, Athens, USA; Dusan Teodorovic, Virginia Polytechnic Institute and State University, Falls Church, USA; Paolo Toth,

University of Bologna, Italy; Stefan Voss, University of Hamburg, Germany; Hiroshi Wakabayashi, Meijo University, Kani-City, Japan; Jan Weglarz, Poznan University of Technology, Poznan, Poland; Jacek Zak, Poznan University of Technology, Poznan, Poland.

Local Organizing / Program Committee:

(at Poznan University of Technology, Logistics Division)

Chair: Jacek Zak

Co-chairs: Szymon Fierek, Adam Redmer, Piotr Sawicki

Members: Maciej Bienczak, Marcin Kicinski, Hanna Sawicka, Pawel Zmuda-Trzebiatowski

Call for Papers: The Organizing Committee invites papers/conference presentations submissions. Initially, the Authors should submit a 1 page abstract, in the pdf/doc(x) format by October 15th, 2010. Detailed information regarding submissions and the text formatting instruction is available on the Conference web page. All abstracts will be reviewed by the Local Program Committee. The notification of acceptance will be delivered to the Authors by November 15th, 2010. Authors of all accepted abstracts will be requested to submit full papers (maximum 10 pages), by February 1st, 2011. All finally accepted manuscripts will be published in the Conference Proceedings, subject to the following conditions: at least one Author of each paper must register, pay a conference fee and make a conference presentation. After the Conferences we are planning to publish selected papers in highly recognized international transportation journals, including: Journal of Advanced Transportation, European Journal of Operational Research, Transportation Research. We are currently negotiating with the Editorial Board of the above mentioned Journals publishing their Special Issues. The paper submission process in the chart form is presented on page 7.

Conference Secretariat:

Poznan University of Technology, 3 Piotrowo street, room 832, 60-965 Poznan, Poland

Phone/fax: +48 61 665 21 29

e-mail: ewgt2011@put.poznan.pl

IMPORTANT DAYS

Deadline for abstract submission: October 15, 2010
Notification of abstract acceptance: November 15, 2010
Deadline for full paper submission: February 01, 2011
Notification of full paper acceptance: April 15, 2011
Submission of final papers: May 30, 2011
Early registration: May 30, 2011
Late registration: August 15, 2011

- ## 2nd World Congress on Computer Science and Information Engineering (CSIE 2011)
Changchun, China
June 17-19, 2011
http://world-research-institute.org/conferences/CSIE/2011

Call for Papers Exhibits. CSIE 2011 intends to be a global forum for researchers and engineers to present and discuss recent advances and new techniques in computer science and information engineering. Topics of interests include, but are not limited to, data mining data engineering, intelligent systems, software engineering, computer applications, communications networking, computer hardware, VLSI, embedded systems, multimedia signal processing, computer control, robotics, and automation.

All papers in the CSIE 2011 conference proceedings will be indexed in Ei Compendex and ISTP, as well as included in the IEEE Xplore (The previous conference CSIE 2009 has already been indexed in Ei Compendex and included in the IEEE Xplore). IEEE Catalog Number: CFP1160F-PRT. ISBN: 978-1-4244-8361-7.

Contact: CSIE2011@cust.edu.cn

IMPORTANT DAYS
Paper Submission Deadline: November 5, 2010 (extended)
Review Notification: December 6, 2010
Final Paper and Author Registration Deadline: January 06, 2011

- ## MISTA 2011: Multidisciplinary International Scheduling Conference: Theory and Applications
Arizona, USA
August 9-12, 2011
www.mistaconference.org/

Conference. This conference is the fifth in a series of conferences (the first took place in Nottingham, UK in August 2003, the 2nd in New York in July 2005, the 3rd in Paris in 2007 and the 4th in Dublin in 2009) that serves as a forum for an international community of researchers, practitioners and vendors on all aspects of multi-disciplinary scheduling.

Topics. The conference will cover, but not be limited to, the following disciplines: Artificial Intelligence, Computer Science, Engineering, Management, Manufacturing, Mathematics, Operational Research

Aims and scope. The aim is to bring together scheduling researchers and practitioners from all the disciplines that engage with scheduling research. The scope of the conference includes (but is not limited to): Agent Based Scheduling, Algorithmics, Applications, Automated Reasoning, Batch Scheduling, Commercial Packages, Complexity of Scheduling Problems, Constraint Logic Programming, Delivery Scheduling, Evolutionary Algorithms,

Heuristic Search, Knowledge-Based Systems, Large Scale Scheduling, Local Search, Machine Scheduling, Meta-heuristic Search, Multi-processor Scheduling, Process Scheduling, Production Scheduling, Real World Scheduling, Real-Time Scheduling, Rostering, Rule-Based Expert Systems, Shop-Floor Scheduling, Sports Scheduling, Theoretical Scheduling, Timetabling, Transport Scheduling, Vehicle Routing

Submission Details. Authors are invited to submit papers in one of two categories:

Full Papers. These can be up to 10 pages and will be accepted as full papers at the conference.

Extended Abstracts. These shorter papers (to a maximum of 3 pages) will give you the opportunity to present your work at the conference. The abstracts will also appear in the conference proceedings.

Venue. The venue will be announced shortly but it will be in Arizona

Conference Proceedings. The proceedings will be provided on CD or USB. Both papers and abstracts will be included in the conference proceedings. All the papers will be also available on the conference web site after the conference.

Post Conference Special Issue. Both categories of papers will be invited to submit suitably revised and extended versions to a post conference issue of the Journal of Scheduling.

Conference Chairs. John Fowler, Arizona State University, USA, Graham Kendall, University of Nottingham, UK, Barry McCollum, Queens University Belfast, UK

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IMPORTANT DAYS
Submission of Papers: January 14, 2011
Conference August 9-12, 2011

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- ## ORP3 2011:

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EURO Conference for young OR researchers
the Operation Research Peripatetic Postgraduate Programme
Cádiz, Spain
September 13 - 18, 2011

http://orp3.uca.es

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Aims and Scope:

ORP3 is the EURO peripatetic conference, each edition of which is hosted by a renowned European center in Operations Research. It is organized biannually and is devoted to the Operational Research field in its broadest sense. Previous conferences have been held in Paris (2001), Lambrecht (2003), Valencia (2005) and Guimarães (2007).

ORP3 aims at being a forum promoting scientific and social exchanges between the members of the future generation of Operations Research in academic research and industry.

Topics. Integer Programming and Combinatorial Optimization, Discrete Optimization; Graphs Networks, Location Theory, Transportation and Logistics, Game Theory, Network Optimization, Multicriteria Optimization, Production Management; Supply Chain Management, Routing Problems.

Scientific Program. The conference is composed only of plenary sessions and each participant will act as the chair and discussant of another session. In addition, the Scientific Program includes four tutorials and three seminars dedicated to specific issues whose speakers are internationally renowned experts:

Tutorial I: Optimization on Networks. Arie Tamir, Tel Aviv University, Israel.

Tutorial II: Global Optimization. Panos Pardalos, University of Florida, USA.

Tutorial III: Combinatorial Optimization. Francisco Barahona, IBM Watson Research Center, New York.

Tutorial IV: Game Theory. Ignacio García-Jurado, Universidad de la Coruña, Spain.

Seminar I: Location and Routing problems. Ángel Corberán, Universidad de Valencia, Spain. Alfredo Marín, Universidad de Murcia, Spain.

Seminar II: Transportation and logistics. Martine Labbé, Université Libre de Bruxelles, Belgium. Stefan Nickel, Karlsruhe Institute of Technology, Germany

Seminar III: Continuous and integer programming E. Carrizosa, Universidad de Sevilla, Spain. E. Fernández Universidad Politécnica de Cataluña, Spain.

Conference Venue: The conference will be held in the Department of Statistics and Operation Research from Cádiz University, Spain.

Submission Requirements: In order to attend ORP3 as a participant you must satisfy one of the following conditions:

- To be a young PhD student
- To be a young post doctoral OR researcher (maximum two years after completing your doctoral thesis at the deadline for submission)
- To be a young OR analyst (maximum two years of professional experience at the deadline for submission)

The selection of participants is made by the scientific committee on the basis of full paper submissions of publishable quality in an international OR journal. Co-authored papers are acceptable as long as they are presented by a participant satisfying the aforementioned requirements. The paper submission may be in a PDF or Postscript format sent through the conference web site, http://orp3.uca.es

Scientific and Organizing Committee.

Chair: Antonio M. Rodríguez-Chía, Universidad de Cádiz, Spain

Co-Chair: Justo Puerto, Universidad de Sevilla, Spain

Members: Francisco Barahona, IBM Watson Research Center, New York Ángel Corberán, Universidad de Valencia, Spain Elena Fernández, Universidad Politécnica de Cataluña, Spain Xavier Gandibleux, Universite de Nantes, France Stefan Ruzika, Kairserslautern University, Germany Eligius M.T. Hendrix, Wageningen University, Netherlands Martine Labbé, Université Libre de Bruxelles, Belgium Mercedes Landete, Universidad Miguel Hernández, Spain Alfredo Marín, Universidad de Murcia, Spain Stefan Nickel, Universität des Saarlandes, Germany Arie Tamir, Tel Aviv University, Israel Francisco Saldnha-da-Gama, University of Lisbon, Portugal Bruno Simeone, Universita La Sapienza, Rome

Local organizing committee:

Chair: Antonia Castaño Martínez

Co-Chairs: Inmaculada Espejo Miranda, Concepción Valero Franco

Members: Juan Ignacio García García, Juan Antonio García Ramos, Bartolomé López Jiménez, Juan Luis Peralta Sáez, Carmen Dolores Ramos González, Miguel Ángel Sordo Díaz, Alfonso Suárez Llorens

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IMPORTANT DAYS
Deadline for submission: January 31, 2011
Notification of acceptance: June 15, 2011
Deadline for registration: July 15, 2011

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Special Issues

- ### International Journal of Lean Thinking: Special Issue on In the Intersection between Lean

At the occasion of the 24th Mini EURO Conference on Continuous Optimization and Information-Based Technologies in the Financial Sector (MEC EUROPT 2010 - Izmir) June 23-26, 2010, Izmir, Turkey (http://www.ieu.edu.tr/Europt-2010) the International Journal of Lean Thinking invites submissions of papers to a special issue on In the Intersection between Lean Thinking and Finance. The special issue will focus on topics that are equally important in both financial mathematics and optimization theory. It will present some important recent developments in optimization regarding the analysis and prediction of financial processes focusing on theory, methodology, and applications.

Topics. Topics are drawn from, but not limited to; the following areas of the Intersection between Lean Thinking and Finance are listed below:

- Financial Risk Management with Optimization;
- Portfolio Optimization;
- Regression Problems in Finance;
- Stochastic Optimization and Control in Finance;
- Option Prices by Tree-Based, Monte Carlo or Hybrid Methods;
- Multi Objective Optimization in Finance;
- Modeling and Optimizing of Investments;
- Dynamics System Under Financial Uncertainty;
- Robust Optimization in Finance;
- Lean Manufacturing and Thinking;
- Visual Management;

- Value Stream Mapping;
- Lean Cellular Manufacturing Systems

Submission of Papers. Papers submitted to the special issue may include original research articles dealing with all aspects of above defined areas. Papers should be prepared in accordance with the manuscript requirements stated at the journal web page (http://www.thinkinglean.com/ijlt), and a copy should be sent electronically to one of the guest editors.

International Journal of Lean Thinking (IJLT) publishes carefully refereed papers which have not been published and have not been simultaneously submitted elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the IJLT if and when the article is accepted for publication.

Important Dates: Submission deadline of full papers: October 31, 2010.

Submission Details: Participants of 24th MEC Europt 2010-Izmir are cordially invited to submission. The format of manuscripts for IJLT as well as guidelines can be found on the publishers web page, the publisher of the journal: lue://www.thinkinglean.com/ijlt.

Guest Editors: Dr. Erik Kropat, Dr. Vadim Strijov, Assist. Prof. Dr. Nimet Yapici Pehlivan, Assoc. Prof. Dr. Refail Kasimbeyli, Prof. Dr. Stefan Pickl, Prof. Dr. Gerhard-Wilhelm Weber

Guest Editors. For submission of your paper and in case of any question please contact by e-mail one of the guest editors.

- Dr. Erik Kropat, Institute for Theoretical Computer Science, Mathematics and Operations Research, Universität der Bundeswehr München, Werner-Heisenberg-Weg 39, 85577 Neubiberg, Germany

  E-mail: erik.kropat@unibw.de

- Dr. Vadim Strijov, Computing Centre of the Russian Academy of Sciences, Vavilova 40, Moscow, 119333, Russia

  E-mail: strijov@ccas.ru

- Assist. Prof. Dr. Nimet Yapici Pehlivan, Department of Statistics, University of Selcuk, 42075 Konya, Turkey

  E-mail: nimet@selcuk.edu.tr

- Assoc. Prof. Dr. Refail Kasimbeyli, Department of Industrial Systems Engineering, Faculty of Computer Sciences, Izmir University of Economics, Sakarya Cad. No:156, Balcova 35330, Izmir, Turkey

  E-mail: refail.kasimbeyli@ieu.edu.tr

- Prof. Dr. Stefan Pickl, Department for Computer Science, Universität der Bundeswehr München, Heisenbergstr 39, 85577 Neubiberg-München, Bavaria, Germany

  E-mail: stefan.pickl@unibw.de

- Prof. Dr. Gerhard-Wilhelm Weber, Institute of Applied Mathematics, Middle East Technical University, 06531 Ankara, Turkey

  E-mail: gweber@metu.edu.tr

• International Journal of Lean Thinking: Special Issue on OR in Production, Distribution and Logistics

At the occasion of the International Conference on Operations Research "MASTERING COMPLEXITY", September 1-3, 2010, Munich, Germany (http://www.or2010.de) the International Journal of Lean Thinking invites submissions of papers to a special issue on OR in Production, Distribution and Logistics.

Topics. Topics are drawn from, but not limited to, the following areas of OR in Production, Distribution and Logistics are listed below:

- Linear Programming in Logistic Management;
- Outsourcing and Procurement Management;
- Supplier/Customer Relationship Management;
- Logistic Integration/Collaboration;
- Impact of Supply Chains Strategy and Management Practices on Performance;
- Impact of Environment on Logistics Strategies and Practices;
- Formulation and Implementation of Operations Strategy;
- Logistics/Transportation Management;
- Global Optimization in Production/Distribution Network Design;
- Manufacturing Planning and Control for Logistic Management;
- Information System/Information Technology for Production, Distribution and Logistic;
- Multi-Objective Optimization in Production, Distribution and Logistic;
- Environmental Issues in Production, Distribution and Logistic;
- Physical Distribution Management;
- Stochastic Programming in Logistic Management;
- Logistics Function, 3PL and 4PL;
- Reverse Logistics And Closed Loop Supply Chains Management;
- Application Of Multi Criteria Decision Making Tools;
- Modeling And Simulation Of Logistics And Supply Chains Networks;
- Vehicle Routing Problems;
- Aggregated Production Planning;
- Handling Logistics In Transportation And Warehousing;
- Distribution and Retailing Systems

Submission of Papers. Papers submitted to the special issue may include original research articles dealing with all aspects of above defined areas. Papers should be prepared in accordance with the manuscript requirements stated at the journal web page (http://www.thinkinglean.com/ijlt), and a copy should be sent electronically to one of the guest editors.

International Journal of Lean Thinking (IJLT) publishes carefully refereed papers which have not been published and have not been simultaneously submitted elsewhere.

By submitting a manuscript, the authors agree that the copyright for their article is transferred to the IJLT if and when the article is accepted for publication.

Important Dates: Submission deadline of full papers: October 31, 2010.

Submission Details: Participants of the International Conference on Operations Research "MASTERING COMPLEXITY" are cordially invited to submission. The format of manuscripts for IJLT as well as guidelines can be found on the publishers web page, the publisher of the journal: http://www.thinkinglean.com/ijlt

For submission of your paper and in case of any question please contact by e-mail one of the guest editors.

Guest Editors:

– Dr. Florian Jaehn, Business Administration, Management Information Science, University of Siegen, Germany
  E-mail: florian.jaehn@uni-siegen.de

– Prof. Dr. Stefan Pickl, Department for Computer Science, Universität der Bundeswehr München, Heisenbergstr 39, 85577 Neubiberg-München, Bavaria, Germany
  E-mail: enta.pickl@unibw.de

– Dr. Erik Kropat, Institute for Theoretical Computer Science, Mathematics and Operations Research, Universität der Bundeswehr München, Werner-Heisenberg-Weg 39, 85577 Neubiberg, Germany
  E-mail: erik.kropat@unibw.de

– Prof. Dr. Bo Hu, Universität der Bundeswehr München, 85577 Neubiberg München, Germany
  Email: bo.hu@unibw.de

– Prof. Dr. Gerhard-Wilhelm Weber, Institute of Applied Mathematics, Middle East Technical University, 06531 Ankara, Turkey
  E-mail: gweber@metu.edu.tr

Awards and Competitions

- IFORS Prize for OR in Development

IFORS is pleased to announce that the Prize will be awarded during the 19th Triennial conference on Global Economy and Sustainable Environment to be held in Melbourne, Australia from 10-15 July 2011.

Awarded at the close of the IFORS Triennial Conference and carries with it a grand prize of US $ 4,000.00 and a runner-up prize of US$ 2,000.00.

The prized papers are automatically considered for publication in the IFORS Publication, International Transactions in Operational Research (ITOR). Publication is contingent

upon the usual refereeing process. Authors of these papers agree that the first right to publish their papers lies with ITOR; as such, they will not publish the same until and unless they receive permission to do so by the ITOR editor.

Topic of paper.

The paper describes a practical OR application in a developing country, conducted to assist a specific organization in its decision-making process with regard to education, health, water, technology, resource use (physical or financial), infrastructure, agricultural/industrialization, environmental sustainability with original features in methodology or implementation for development in developing countries. The idea is to optimize the development with the constraints and limited resources.

The paper includes some description of the applications social context and its impact on the decision making process or on the organization for which it was conducted. Where appropriate, the relevance of the countrys state of development to the study is addressed. A stress on developmental issues will be an important factor in the judging. Papers of a purely technical nature, or those which have no relevance in the developmental context, will not be considered.

Judging Criteria.

Qualifying papers will be evaluated on the following criteria: problem definition, creativity and appropriateness of approach, MS/OR content, stress on developmental issues, innovative methodology, impact of the study, paper organization and structure and quality of written and (if selected as finalist) oral presentation.

Other Information.

Principal authors and presenters of any nationality are welcome. If selected to be among the finalists, the entry should be presented by one of the principal authors during the IFORS Triennial Conference to be held in Melbourne, Australia from 10-15 July 2011.

Finalists registration fees will be sponsored by IFORS. For finalists who are nationals of developing countries, a grant for living expenses may be requested but cannot be guaranteed.

Authors are strongly encouraged to submit their contributions using the submission site:

http://mc.manuscriptcentral.com/itor,

indicating in their cover letters that they are intended for this competition.

Prize Chair. Dr. Subhash Datta, Director, NIILM Centre for Management Studies, Plot No. 53, Knowledge Park V, Greater Noida, UP.

E-mail : subhash.datta@gmail.com

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IMPORTANT DAYS

Submission of the full Paper: December 30, 2010

Date of communication for finalists: March 31, 2011

Date of presentations: July 10, 2011.

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- **COIN-OR INFORMS CUP,** *Sponsored by IBM*
(INFORMS Annual Meeting 2010)

  Rules:

  - A submission or nomination must contain:

    1. A synopsis of an effective use of COIN-OR or valuable contribution to COIN-OR (or both!).

    2. An explanation of its significance.

  - The winner must accept the prize in person at the 2010 INFORMS meeting.

  - Submission deadline: Friday October 29, 2010.

  - Self-nomination is welcomed.

  - We especially encourage nominations of effective use of COIN-OR that the community may not know about.

  Submissions will be judged by a committee of members of the COIN-OR Foundation, Inc.

  Celebration: The actual awarding of the COIN-OR INFORMS Cup will take place at the reception in honor of John Forrest and the 10th Anniversary of COIN-OR. All entrants and their supporters are welcome to join in the celebration and regale (rile) the prize winners:

  Day: Sunday, November 7th

  Time: 8:00 PM - 10:00 PM

  Location: Iron Cactus Mexican Grill Margarita Bar, corner of Trinity 6th Streets in downtown Austin, TX

  The celebration sponsor is IBM.

  The winning entry will be posted on the COIN-OR Website.

  Please e-mail your submissions to coin-cup@coin-or.org

- **2011 Franz Edelman Award**

  Call for Entries. Each year examples of OR/MS and advanced analytics at its best are presented with the chance to compete for the prestigious *Franz Edelman Award*, which highlights the significant, verifiable, and quantifiable impact of the field in practice.

  We encourage you to submit your work for an opportunity to become a part of excellence spanning more than 39 years.

  About the Competition. The purpose of the Edelman competition is to bring forward, recognize, and reward outstanding examples of operations research, management science, and advanced analytics in practice. The prize is awarded for implemented work, not for a submitted paper or for the presentation describing the work. The client organization that uses the winning work receives a prize citation and the authors of the winning work

receive a cash award. All finalists receive the opportunity to publish their papers in INFORMS' prestigious journal, Interfaces.

E-mail Submissions. Please e-mail your submission in a PDF format to the 2011 Committee Chair:

Stephen C. Graves, Sloan School of Management, Massachusetts Institute of Technology, Cambridge, MA 02139 e.mail: sgraves@mit.edu, Tel: 617.253.6602

Timeline.

-October 20, 2010:

A single document containing a two-to-three page summary (a maximum of 1,500 words) of your achievement, and a cover page with a 60-word abstract, and the name, address, phone number, and affiliation of each author must be in our hands. We require that the document be submitted electronically as a PDF.

-December 20, 2010: Finalists will be selected based on the summaries and the IN-FORMS/CPMS verification process.

-February 18, 2011: A full, written paper in a prescribed format will be due from each finalist along with a publication release from the client organization, a public relations press kit, and the name of the client management representative who would accept the prize citation.

-April 11, 2011: Each finalist group will give an oral presentation of their work in a special session (which will be recorded) at the INFORMS Conference on O.R. Practice in Chicago, Illinois, April 10-12, 2011. Final judging will begin immediately after the presentations, and the results of the competition will be announced at the conference.

Job opportunities

- Full professor for discrete mathematics and optimization, TU Graz, Austria

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Shortened English version of the announcement
(knowledge of German is required for the position)

</div>

The Faculty for Technical Mathematics and Technical Physics at Graz University of Technology calls for applications for the following position which is available from October 1, 2011:

University professor (tenured) for Discrete Mathematics and Optimization (position formerly held by Prof. Dr. R.E. Burkard)

The successful candidate will have an excellent research and teaching record in a topical area of discrete mathematics, such as combinatorial optimization or algorithmic graph theory. Experience in acquisition and management of funded research projects is a prerequisite.

The candidate is expected to teach both service courses for engineering students as well as courses for students of mathematics (at bachelor, master and Ph.D. level). Due to the teaching duties fluency in German is indispensable.

The university aims at increasing the percentage of women in research and teaching, in particular at the professor level. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference.

Please send your application (including all relevant documents and an English summary of all past and future research activities) by mail to the Dean of the Faculty of Technical Mathematics and Technical Physics, Prof. Wolfgang. E. Ernst, Petersgasse 16, A-8010 Graz, Austria and electronically (pdf-format) to tmtph.dekanat@tugraz.at

Deadline for applications: November 30, 2010 (date of postmark)

- Two open positions in Operations Research at the University of Southampton

  1. **CORMSIS Research Facilitator University of Southampton - School of Mathematics**(£27,319 - £33,600 per annum)

     CORMSIS (Centre for Operational Research, Management Sciences and Information Systems) is one of the largest OR/MS/IS groups in the UK, spanning the Schools of Mathematics and Management of the University of Southampton. It covers the whole spectrum of current OR/MS/IS activity from theoretical mathematical developments to problem structuring and knowledge management. CORMSIS is offering a post that combines the roles of a Research Facilitator and a Research Fellow.

     The Facilitator will support the Director of CORMSIS in driving forward the research success of the Centre by: identifying and creating research bid opportunities; supporting research related activities, e.g. the preparation and management of research funding bids; tracking the impact of CORMSIS research and promoting its success; and providing general administrative support.

     For the research element of the post, the successful candidate will be expected to conduct high-quality independent research. Some current research interests of CORMSIS are listed on:http://www.cormsis.soton.ac.uk/research/default.php

     A research degree and experience of undertaking research in OR/MS will be essential, and the successful candidate will be proactive with a high level of initiative. Excellent communication and organisational skills will also be required.

     The closing date for applications is 05 November 2010 at 12.00 noon.

     For more information on this position or to apply online please visit www.jobs.soton.ac.uk. Alternatively please call 023 80 592750.

     Please quote reference number 4914-10-J in all correspondence.

  2. **Reader/Senior Lecturer in Operational Research/Management Science University of Southampton - School of Mathematics/School of Management**(£45,155 - £55,535 per annum)

     The LANCS Initiative (see http://www.lancs-initiative.ac.uk) is a £13 million project to expand UK research capacity in the foundations of Operational Research (OR). LANCS is a collaboration between four of the leading OR research groups in the UK (Lancaster, Cardiff and Nottingham are joined with Southampton in the Initiative).

Benefiting from their position within the research-oriented culture of a Russell Group University, the Schools of Management and Mathematics are seeking to consolidate strength in Operational Research/Management Science (OR/MS). Through the LANCS Initiative, three excellent appointments have already been made at Lecturer level. Applications are now invited for the post of Reader/Senior Lecturer in OR/MS. All four of these posts are joint appointments between the two Schools.

You should have a PhD in OR/MS or a related discipline, and an established high-quality research track record, ideally including successful research grant applications. You will be expected to have research expertise (and future research plans) closely aligned to one of the research themes of the LANCS Initiative, currently Healthcare, Transportation and Logistics, Optimisation, Heuristic Understanding, and Systems to Build Systems. We particularly welcome applicants with research interests in developing new methodology that is applicable to actual practical problems.

Experience of teaching, assessment of students and dissertation project supervision is essential. Duties, as determined by the Heads of the Schools of Mathematics and Management, will include: conducting research at international level in OR/MS; applying for externally funded research grants; actively contributing to the research activities of the LANCS initiative; and teaching undergraduate and postgraduate students including the supervision of research students. As part of the role, you will also be expected to support the effective management and administration within the two Schools, including helping to support the junior LANCS staff.

The position is available from 1 February 2011 or as soon as possible thereafter.

Interviews are expected to be held in mid January 2011. As part of the interview process, candidates will be invited to give a research presentation.

Informal enquiries can be made at any time to:

- Professor Terry Williams, Head of the School of Management:
  email: T.M.Williams@soton.ac.uk, tel +44 (0)23 8059 8994
- Professor James Vickers, Head of the School of Mathematics:
  email: J.A.Vickers@soton.ac.uk, tel +44 (0)23 8059 5113
- Professor Sally Brailsford, email: S.C.Brailsford@soton.ac.uk, tel. +44 (0)23 8059 3567
- Professor Chris Potts, email: C.N.Potts@soton.ac.uk, tel. +44 (0)23 8059 3651

The closing date for applications is Friday 26 November 2010 at 12.00 noon.

Please quote reference number 4895-10-J in all correspondence.

For more information or to apply online please visit www.jobs.soton.ac.uk. Alternatively please call +44 (0)23 8059 2750.

As part of your completed application, you will be required to include addresses of 3 referees and your full CV.

Obituary

Prof. Reiner Horst (24.01. 1942 - 20.06.2010)

Professor Dr. Reiner Horst

With our deepest regret we inform of the premature death of Prof. Reiner Horst, who passed away in Trier on June 20 at the age of 68. He was full professor of mathematics at Trier University, one of the founders and member of the editorial board of Journal of Global Optimization. The community of mathematical optimization and operations research together with his family mourns his loss. Professor Horst's work was highly productive. He was author and co-author of about hundred publications and three text books in global optimization de- voted to the following topics: nonconvex quadratic optimization over polytops, concave minimization, DC-optimization, nonconvex network optimization, Lipschitzian optimization, generalized duality theory. He achieved results in bilevel and multilevel optimization, multi-objective optimization, integer optimization and complementarity problems. His work stands for subtle thinking and stylis tic perfection. Only his close friends know the high amount of work he invested into their creation. Professor Horst promoted the international links of the optimization community. He had several co-authors all over the world, organized conferences and served in program committees of many conferences. The scientific world, his friends and colleagues want to extend their deepest sympathy to the family of Professor Horst.

(received from Prof. Rainer Tichatschke)

Review

Critica ratiunii algoritmilor de optimizare fara restrictii
by Dr. Neculai Andrei Editura Academiei Romane 2009, 826pp.

This important monograph addresses in a comprehensive way the theory and practice of unconstrained optimization covering theory, convergence as well as practical behavior of the most commonly used unconstrained optimization algorithms developed during the last 50 years.

What distinguishes this monograph is the comprehensive smooth combination of theory, computational complexity, numerical tests and software package availability presenting to the community of potential users a complete in-depth panoramic perspective of the field of unconstrained optimization algorithms.

The book contains a wealth of all the modern fundamental advanced mathematical methods employed in unconstrained optimization presented with full mathematical rigor along with an up to date survey of literature references. Historical perspectives are presented in many of the chapters of this remarkable monograph accompanied by the photographs of the most relevant scientists that contributed to the methods surveyed.

Written by a world expert and innovator in methods of conjugate gradient, Dr Neculai Andrei, chapter 8 of the monograph is an outstanding rendition of the history of developments in the fascinating topic of conjugate gradient algorithms in particular the survey of modern and novel methods of conjugate gradient applications and concluding with a summary of open unsolved problems of conjugate gradient algorithms that is illustrative of the breadth of this valuable original survey.

Chapter 9, dedicated to the quasi-Newton methods is masterfully written providing an up-to-date coverage of the theory including the limited memory L-BFGS as well as actual test cases taken from a variety of large-scale application domains including inverse realistic problems.

Chapter 10 is dedicated to the truncated Newton method also called Hessian free Truncated Newton and is also illustrated with powerful applications.

The trust region method chapter is dedicated only a very comprehensive theoretical presentation of its essential properties, since a full account of it and its applications would have required an entire additional volume.

A very cogent well presented Chapter 14 deals with least square methods namely the Gauss-Newton and Levenberg- Marquardt algorithms along with their relevant applications.

Chapter 16 considers various derivative free methods such as Hooke-Jeeves, Powell conjugate directions and the Nelder-Mead so called simplex method to cite but a few ,illustrated with nice examples and accompanied by a survey of modern literature relevant to this domain.

Importantly Chapter 17 addresses the issue of software packages implementing the aforementioned techniques as well as their availability to the user and the salient characteristics of each software package.

This impressive work concludes with a list of the algorithms along with a list of the applications and a well documented list of test functions employed to assess each unconstrained minimization algorithm.

All these make this monograph a welcome enriching addition to the optimization literature, and it is the view of this reviewer that this work deserves and should be translated in English, so that the entire community of users of unconstrained optimization algorithms may benefit.

The publication of this monograph by the Romanian Academy Press is indeed an example where Romania lives up to its rich tradition of excellence in applied mathematics and I would strongly recommend this book to be present on the shelf of every user of unconstrained minimization algorithms.

I. M. Navon

Program Director and Professor Department of Scientific Computing

Florida State University Tallahassee, FL 32306-4120

USA

Editor's personal comments

Dear members of EUROPT, dear readers.

Suddently, two years gone and, for me, it is the right time for stopping my activity in the Editorial Board of our Newsletter. It was a great privilege, editing this Newsletter during the last two years, jointly with Tatiana and with the precious collaboration of Bazak Ozturk and Willi (always present, always supporting) as co-workers. I am thankful to all of them and to the authors and co-authors of several invited short notes published along the last 9 issues, namely to Luís A. Vieira, Sven-Åke Gustafson, Neculai Andrei, Leonidas Sakalauskas, Miguel F. Anjos, Yurii Nesterov, Adil M. Bagirov, Julien Ugon and Dorien De Tombe. We have received the help of many colleagues and friends to whom I am also very in debit for all the information they sent us for inclusion in the Newsletter.

During this time, the EUROPT Newsletter was a vehicle for keeping our Optimization community in touch, continuing the work initiated by Kaisa Miettinen (now the Chair of the Managing Board of EUROPT) and her co-workers.

Last July the 8th EUROPT workshop "Advances in Continuous Optimization" took place in Aveiro, Portugal, celebrating the tenth birthday anniversary. These workshop had about 120 participants and 90 presentations by prestigious researchers. Among them, I emphasize the invited speakers Immanuel Bomze (University of Vienna), Mirjam Dür (University of Groningen), Alexander Shapiro (Georgia Tech), Tamás Terlaky (Lehigh University), Luís Nunes Vicente (University of Coimbra) and Henry Wolkowicz (University of Waterloo). Furthermore, we fill very honored for this Workshop has been the stage of the first public presentation on the refutation of the Hirsh Conjecture by Francisco Santos Leal (Universidad de Cantábria). This conjecture, formulated in 1957 from a question raised by Warren M. Hirsch (1918-2007) to George Dantzig (1914-2005), states that in any polytope of dimension d, with n facets (faces of dimension $d-1$), the combinatorial distance between any pair of vertices is not greater than $n - d$. Francisco Santos have presente a counterexample, a polytope of dimension 43, with 86 facets and diameter not less than 44 ($> 86 - 43 = 43$), solving this 53 years old open problem. More details about this workshop will be available soon in a online report at EUROPT web page address (http://www.iam.metu.edu.tr/EUROPT/).

I finish this note, wishing all the success to the new Managing Board of EUROPT and to the new team of Editors of EUROPT Newsletter.

On behalf of the Editorial Board of EUROPT Newsletter,
Domingos M Cardoso

EUROPT Newsletter
Editorial Board: Domingos M Cardoso, Tatiana Tchemisova
Co-workers: Gerhard-Wilhelm Weber, Basak Akteke Ozturk