



Report 12

March 5, 2011

On the “Life” in the German Operations Research Society

GOR – a Partner of ORST

Gerhard-Wilhelm Weber (IAM, METU)

Our new issue of ORST-GOR newsletter has two main contents: We are looking forward to **OR 2011 in Zurich, Switzerland**, and we are looking back to **Mini-EURO Conference 2010** in Izmir, Turkey, which was supported by both ORST and GOR!

Please enjoy reading and, perhaps, receiving some views and incentives.

Thank you very much for your kind interest and friendship.



OR 2011

International Conference on Operations Research

August 30 - September 2, 2011, Zurich, Switzerland

Every four years, the German speaking OR societies from Austria (OEGOR), Germany (GOR) and Switzerland (SVOR) organize a joint international conference: “OR 2011” will take place at the University of Zurich from August 30 to September 2, 2011, under the patronage of SVOR.

The main goal of the conference is to bring together members of the international OR community to discuss scientific advancements in various subfields of OR in a truly interdisciplinary spirit. The highlights and core of the conference are the presentations of the invited Keynote Speakers and the parallel semi-plenary lectures on various topics representing the state of the art in these fields.

Numerous sessions will focus on OR applications in industry and, in turn, on new problems stemming from industry applications that pose challenging tasks for future scientific research.

Certainly, the conference provides a platform to present current research and to compete for a publication in the refereed proceedings.

Of particular interest will be the recognition given to young scientists, namely by the dissertations awards and the master theses awards. Furthermore, the social networking among professionals and scientists will be facilitated by different social events.

Plenary Lectures

- Dimitris J. Bertsimas, MIT, Cambridge
Topic: *Stochastic programming*
- Kenneth L. Judd, Hoover Institute, Stanford
Topic: *Computational economics*
- William Pulleyblank, IBM / West Point Academy
Topic: *Large-scale optimization in industry and science*

Semi-plenary Lectures

- David Alderson, Naval Postgraduate School, Monterey
- Sally Brailsford, University of Southampton
- Peter Bühlmann, ETH Zurich
- Daniel Costa, Nestlé Suisse S.A.
- Paul Embrechts, ETH Zurich
- Karl Isler, Swiss International Air Lines
- Sven Leyffer, Argonne National Laboratory
- Todd Munson, Argonne National Laboratory
- Yurii Nesterov, Université catholique de Louvain
- Gernot Tragler, TU Vienna
- Rudolf Vetschera, University of Vienna
- Stefan Voss, University of Hamburg
- Robert Weismantel, ETH Zurich

Program committee

- Karl Schmedders, University of Zurich (Chair)
- Friedrich Eisenbrand, EPF Lausanne
- Luca Gambardella, IDSIA, Lugano
- Diethard Klatte, University of Zurich
- Ulrike Leopold-Wildburger, University of Graz
- Hans-Jakob Lüthi, ETH Zurich
- Stefan Nickel, Karlsruhe Institute of Technology
- Stefan Pickl, Universität der Bundeswehr München
- Marion Rauner, University of Vienna
- Brigitte Werners, Ruhr-Univ. Bochum



Conference streams and stream co-chairs

1. Continuous optimization and control

Stephan Dempe, TU Freiberg, GOR
Gustav Feichtinger, TU Vienna, ÖGOR
Diethard Klatte, University of Zurich, SVOR

2. Discrete optimization, graphs and networks

Friedrich Eisenbrand, EPF Lausanne, SVOR
Bettina Klinz, TU Graz, ÖGOR
Alexander Martin, University of Erlangen-Nuremberg, GOR

3. Decision analysis, decision support

Eranda Dragoti-Çela, TU Graz, ÖGOR
Jutta Geldermann, University of Göttingen, GOR
Roland Scholz, ETH Zurich, SVOR

4. Energy, environment and climate

Gerold Petritsch, e&t Energie Handels-GmbH, Vienna, ÖGOR
Stefan Pickl, Universität der Bundeswehr München, GOR
Thomas Rutherford, ETH Zurich, SVOR

5. Financial modeling, risk management, banking

Erich-Walter Farkas, University of Zurich, SVOR
Roland Mestel, University of Graz, ÖGOR
Daniel Rösch, Leibniz Universität Hannover, GOR

6. Game theory, computational and experimental economics

Thomas Burkhardt, University of Koblenz, GOR
Felix Kübler, University of Zurich, SVOR
Ulrike Leopold-Wildburger, University of Graz, ÖGOR

7. Health, life sciences, bioinformatics

Rolf Krause, University of Lugano, SVOR
Teresa Melo, HTW Saarland, GOR
Marion Rauner, University of Vienna, ÖGOR

8. Location, logistics, transportation and traffic

Knut Haase, University of Hamburg, GOR
Richard Hartl, University of Vienna, ÖGOR
Ulrich Weidmann, ETH Zurich, SVOR

9. Metaheuristics and biologically inspired approaches

Luca Maria Gambardella, IDSIA, Lugano, SVOR
Walter Gutjahr, University of Vienna, ÖGOR
Franz Rothlauf, Johannes Gutenberg University Mainz, GOR

10. Network industries and regulation

Marco Laumanns, IBM, Zurich, SVOR
Mikulas Luptacik, WU Vienna, ÖGOR
Grit Walther, University of Wuppertal, GOR

11. OR in industry, software applications, modeling languages

Ulrich Dorndorf, INFORM GmbH, Aachen, GOR
Eleni Pratsini, IBM, Zurich, SVOR
Alfred Taudes, WU Vienna, ÖGOR

12. Production management, supply chain management

Herbert Meyr, TU Darmstadt, GOR
Stefan Minner, University of Vienna, ÖGOR
Stephan Wagner, ETH Zurich, SVOR

13. Scheduling, time tabling and project management

Erwin Pesch, University of Siegen, GOR
Ulrich Pferschy, University of Graz, ÖGOR
Norbert Trautmann, University of Bern, SVOR

14. Stochastic programming, stochastic modeling & simulation

Karl Frauendorfer, University of St.Gallen, SVOR
Georg Pflug, University of Vienna, ÖGOR
Rüdiger Schultz, University of Duisburg-Essen, GOR

15. Accounting and revenue management

Matthias Amen, University of Bielefeld, GOR
Michaela Schaffhauser-Linzatti, University of Vienna, ÖGOR
Claudius Steinhardt, University of Augsburg, GOR

16. Forecasting, neural nets and fuzzy systems

Petros Koumoutsakos, ETH Zurich, SVOR

Martin Kühner, Fin4Cast Data Research GmbH Vienna, ÖGOR

Hans Georg Zimmermann, Siemens Germany, GOR

Important Dates

Abstract submission:	open
Deadline abstract submission:	April 30, 2011
Notification of acceptance:	until May 30, 2011
Submission of paper for proceedings:	May 30, 2011
Deadline subm. paper for proceedings:	June 30, 2011

After notification of acceptance of the abstract authors might submit a paper for the refereed proceedings.



Main organizer of OR 2011, Prof. Dr. Hans-Jakob Lüthi, ETH Zurich, kindly asked me to convey his cordial invitation to you, our dear friends from Turkey, the members of ORST!

Report on

24th Mini-EURO Conference on

Continuous Optimization and Information-Based Technologies in the Financial Sector

June 23-26, 2010,

Izmir, Turkey

Cemali Dinçer

(Department of Industrial Systems Engineering, Izmir University of Economics)

Refail Kasimbeyli

(Department of Industrial Systems Engineering, Izmir University of Economics)

Gerhard-Wilhelm Weber

(Institute of Applied Mathematics, METU, Ankara, Turkey)

The 24th Mini-EURO Conference on “Continuous Optimization and Information-Based Technologies in the Financial Sector” (<http://cs.ieu.edu.tr/europt-2010/>) has been held at the **Izmir University of Economics**, June 23-26, 2010.

This international conference has been organized under the cooperation of Izmir University of Economics, Association of the European Operational Research Societies (EURO), EURO Working Group on Continuous Optimization (EUROPT), the Operational Research Societies of Turkey (ORST) and Germany (GOR), and Middle East Technical University.

Izmir University of Economics, Izmir Chamber of Commerce, Central Bank of the Republic of Turkey, The European Office of Aerospace Research & Development (EOARD), EURO, The Scientific and Technological Research Council of Turkey (TÜBİTAK) and NETSIS Software supported the conference financially.

The sessions were held in Conference Hall and in six classrooms of Izmir University of Economics. Wireless internet connecton was also provided to the participants.

Programme Committee:

Roger Wets (*Chair*; University of California at Davis, USA).

Abbas Azimli (Yıldız Technical University, Turkey).

Kuban Altınel (Boğaziçi University, Turkey).

Adil Bagirov (University of Ballarat, Australia).

Masao Fukushima (Kyoto University, Japan).

Refik Güllü (Boğaziçi University, Istanbul, Turkey).

Imdat Kara (Başkent University, Ankara, Turkey).

Refail Kasimbeyli (Izmir University of Economics, Izmir, Turkey).

Marco Antonio López-Cerdá (University of Alicante, previous EUROPT Chair).

Nazim Mahmudov (Eastern Mediterranean University, Gazimagusa, Northern Cyprus).

Musa Mammadov (University of Ballarat, Australia).

Bernt Øksendal (University of Oslo, Norway).

Süleyman Özekici (Koç University, Istanbul, Turkey).

Georg Ch. Pflug (University of Vienna, Austria).

Mustafa Ç. Pinar (Bilkent University, Ankara).

Monique Pontier (Université Paul Sabatier, Toulouse, France).
Wolfgang Runggaldier (Università degli Studi di Padova, Italy).
Leonidas Sakalauskas (Institute of Mathematics and Informatics, Vilnius, Lithuania).
Mete Soner (ETH Zurich, Switzerland).
Xiaoling Sun (Fudan University, Shanghai, China).
Barbaros Tansel (Bilkent University, Ankara, Turkey).
Kok Lay Teo (Curtin University of Technology, Perth, Australia).
Gerhard-Wilhelm Weber (Middle East Technical University, Ankara, Turkey).
Emre Alper Yıldırım (Bilkent University, Ankara, Turkey).

Organizing Committee:

Cemali Dinçer (*Chair*; Izmir University of Economics, Turkey).
Refail Kasımbeyli (*Co-Chair*; Izmir University of Economics, Turkey).
Gerhard-Wilhelm Weber (*Co-Chair*; Middle East Technical University, Turkey).
Deniz Türsel Eliyi (Izmir University of Economics, Turkey).
Mahmut Ali Gökçe (Izmir University of Economics, Turkey).
Erdinc Oner (Izmir University of Economics, Turkey).
Arslan Örnek (Izmir University of Economics, Turkey).
Özgür Özpeynirci (Izmir University of Economics, Turkey).
Selin Özpeynirci (Izmir University of Economics, Turkey).
Cemalettin Öztürk (Izmir University of Economics, Turkey).
Burcu Özçam Adivar (Izmir University of Economics, Turkey).
Azize Hayfavi (Middle East Technical University, Turkey).
Yeliz Yolcu Okur (Çankaya University and Middle East Technical University, Turkey).
Ömür Uğur (Middle East Technical University, Turkey).
Kasırga Yıldırak (Trakya University and Middle East Technical University, Turkey).

The scientific programme included six **plenary sessions**, presented by

- Terry Rockafellar (University of Washington, Seattle, USA):
“*Decision The Fundamental Quadrangle of Risk in Optimization and Estimation*”,
- Roger J-B Wets (University of California, Davis, USA):
“*Decision Managing a Fixed-Income Portfolio*”,
- Panos M. Pardalos (University of Florida, Gainesville, USA):
“*The Critical Nodes Detection Problem in Networks*”,
- Juan Enrique Martinez-Legaz (Universitat Autònoma de Barcelona, Spain):
“*A Contribution to Duality Theory, Applied to the Measurement of Risk Aversion*”,
- Ulrich Horst (Humboldt University, Germany):
“*Equilibrium Pricing in Incomplete Markets under Translation Invariant Preferences*”, and
- Süleyman Özekici (Koç University, Turkey):
“*HARA Frontiers in Portfolio Optimization*”.



Prof. Dr. Refail Kasımbeyli and Prof. Dr. Ralph Tyrrell (“Terry”) Rockafellar

Also four **semi-plenary sessions** were held by

- Kenneth Kortanek (University of Pittsburgh, USA):
“*Using Optimization for Solving Dynamic Cash Flow Matching Problems under Uncertainty*”,
- Georg Ch. Pflug (University of Vienna, Austria):
“*Risk Measures: Time Consistency versus Information Monotonicity*”,
- Asaf Hajiyevev (Azerbaijan National Academy of Sciences, Baku, Azerbaijan):
“*Regression Models with Increasing Numbers of Unknown Parameters. Control by Queues with Complicated Structure*”, and
- Refail Kasımbeyli (Izmir University of Economics, Turkey):
“*Solution Methods Based on Conical Supporting Surfaces in Nonconvex Analysis and Applications in Financial Optimization*”.

The scientific event included **37 parallel sessions** (4 or 5 simultaneously), consisting of 3 or 4 presentations each one, in a total of 154 presentations scheduled. All sessions have been very well attended with periods of discussion just after the presentation of each communication, which clearly reveals the scientific interest in our event, that represented various developments and trends of optimization, data mining and related fields of modern OR in today's financial sector.

221 authors from 32 countries participated in the conference.

The geographical origin of the participants shows the true international nature of this event: Algeria (6), Australia (4), Austria (2), Azerbaijan (19), Brazil (4), Chile (1), Czech Republic (2), Finland (3), Germany (10), Greece (5), Hungary (1), India (1), Ireland (1), Islamic Republic of Iran (7), Italy (4), Japan (2), Lithuania (2), Luxembourg (1), Mexico (1), Netherlands (2), New Caledonia (1), Nigeria (2), Poland (2), Portugal (1), Qatar (2), Romania (1), Russian Federation (2), Singapore (1), Spain (1), Turkey (112), United Kingdom (4) and United States (14).

The conference proceedings have been published as a ISI Proceedings Book (ISI: International Statistical Institute) and on a CD-ROM, with ISBN. This proceedings volume includes the full papers of the communications presented at the conference, which underwent a peer refereeing process. The authors have been invited to prepare improved versions of their papers to be submitted to special issues of the Journal of Global Optimization, Optimization, Transactions on Operational Research and International Journal of Lean Thinking. The papers submitted for publication in these special issues will follow the normal reviewing process required by these journals.

The social program included the wine and cheese party on June 22 and Welcome Reception on June 23 at the facilities of İzmir University of Economics, the Conference Dinner on June 24 at İzmir Konağı Restaurant, banquet on June 25 at Derya Restaurant and an Excursion to the Antique City of Efes (Ephesos), House of Virgin Mary and Şirince Town on June 26.

As many participants expressed, the conference was perceived as very strong scientifically, with numerous contacts made and collaborations initiated among the attendees, and as very enjoyable.

The organizers of this special event express their deep gratitude to EURO, to all the coorganizing institutions and sponsors, to the precious guests from all over the world and, especially, **to the young local team from Imzır University of Economics!**



*Impression from the Conference Dinner
(with View on the Gulf of Izmir)*



A Group Photo of Participants

With best wishes and cordial regards,

I remain, yours sincerely,

Prof. Dr. Gerhard-Wilhelm Weber (Willi)

Representative of GOR in Turkey

Advisor to EURO Conferences

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