



EUROPT

Newsletter 10 of EUROPT

The Continuous Optimization Working Group of EURO

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

March 2008

EUROPT - The Continuous Optimization Working Group of EURO

Words from the Chair

Dear Members of EUROPT, dear Friends,

The conference season 2008 is already open, various events are going to take place in April and, especially, in May! Herewith, one focus of our efforts will be quite early this year. In the previous column, I listed numerous events which we from EUROPT organize, co-organize or support. If you missed that list, please visit our EUROPT homepage under <http://www.iam.metu.edu.tr/EUROPT/Newsletter9-EUROPT.pdf>. I am happy that we have the honour to make a precious addition: EUROPT became a co-organizing institution of the *International Conference on Power Control and Optimization*, Chiang Mai, Thailand, July 18-20, 2008 (cf. <http://www.engedu2.net/>). By this engagement we give another contribution to a classical scientific area which is closely related with Continuous Optimization: Control Theory and, in particular, Optimal Control and its various applications.

Optimal Control belongs to the areas to which we from EUROPT pay special attention, in addition to the core fields of continuous optimization. What is more, with our friends from Thailand, EUROPT is present now with an event in the Pacific region, besides that EUROPT serves in Europe and the Middle East, in South America, North America and South Africa, in the academic calendar of 2008.

Of course, it is not our main concern to be present everywhere. But to have dear friends all over the world, who help us to learn and to whom we give our EUROPT members' knowledge and devotion, is very important for our group's future and for the career of our young people as well. That they get chances to serve in session, stream and conference organization belongs here, and to submit to special issues of good journals organized by EUROPT or to guest-edit them belongs here, too. Let us not forget that EUROPT tries its best to support and foster other EURO Working Groups. This should serve them but it also widens the scope of EUROPT, the domain where our scientific methods can be applied, it helps to find further solutions in research and for real-world problems as well, it extends the domain in labor market where our young academicians of continuous optimization will be requested and appreciated in the future.

A detailed and much more complete picture of EUROPT's engagement of the last year 2007 and EUROPT activities of the year 2008 can soon be found in the Annual Report! Let us also announce that the following two e-Newsletters will more closely prepare and introduce the changes in the *EUROPT Managing Board* which are going to be announced and start at the occasion of our 20th *Mini EURO Conference 2008* in Neringa, Lithuania, May 20-23, 2008.

Let me please thank all of you, for all your faithfulness to EUROPT, for the numerous services given by you! Every one of you counts very importantly. EUROPT's life is established on the collaboration and friendship among its rich number of members!

A special welcome is sent to all new members who joined us during the last months!

I wish you all a lot of pleasure when reading this 10nd Newsletter!

Thanks to dear Prof. Miettinen, our friend and newsletter editor Kaisa, for all her valuable care and devotion.

With best wishes, Your sincerely,
Gerhard-Wilhelm Weber, Chair of EUROPT

P.S. In the year 2006, EUROPT lost a very good friend and precious scientist, Professor Attila Kuba (University of Szeged, Hungary), <http://www.inf.u-szeged.hu/~kuba/>. We learned about this loss lately, and it reached us unexpectedly and made us very sad. Attila was a wonderful friend indeed, and he showed a great hospitality in the beautiful Szeged and a great care about his colleagues all the years. In his research domain of image processing and discrete tomography he had a wide view and great vision, e.g., by supporting methods of continuous optimization, too. He was a great friend of the young generation. We all, our group EUROPT, owe him very much! We will never forget our precious colleague and friend Attila! Our thoughts and feelings are with his family.

International Workshop on HYBRID SYSTEMS: MODELING, SIMULATION AND OPTIMIZATION

14-17 May 2008, Koc University, Istanbul, Turkey

<http://portal.ku.edu.tr/~systemslab/hs/>

Hybrid systems are complex systems that exhibit discrete event as well as continuous time dynamics governed by differential and difference equations. Recent technological innovations have caused a considerable interest in the study of dynamical processes described by hybrid systems. Many systems in engineering and science can be considered as hybrid systems: continuous systems with phased operation (biological cell growth and division, walking robots), controlled by discrete logic (thermostats, aircraft autopilot modes, automobile automatic transmissions, chemical plants with valves and pumps), and coordinating processes (air and ground transportation systems, swarms of air vehicles).

The Workshop on Hybrid Systems Modeling, Simulation and Optimization focuses on the modeling, simulation, control and optimization of hybrid systems. The workshop will provide researchers working in the field of hybrid systems, PhD students and general postgraduate level audience an overview of the methods used and discussions on the recent developments. The main aim is to identify emerging issues and research opportunities in the area of Hybrid Systems.

Organizing Committee: Lorenz T. Biegler, Carnegie Mellon University, Metin Türkay, Koc University, Bülent Karasözen, Middle East Technical University, Serdar Tasiran, Koc University, Hakan Öktem, Middle East Technical University.

Programming Committee: Bruce H. Krogh, Carnegie Mellon University, Alberto Bemporad, Università di Siena, Frank Doyle, University of California, Santa Barbara, Frank Allgöwer, University of Stuttgart, Yaman Arkun, Koc University, Irsadi Aksun, Koc University, Gerhard Wilhelm Weber, Middle East Technical University.

Invited Speakers: Mihai Anitescu (Mathematics and Computer Science Division, Argonne National Laboratory, USA), David Stewart (Department of Mathematics, University of Iowa, USA), Bruce H. Krogh (Electrical and Computer Engineering, Carnegie Mellon University, USA), Francesco Borrelli (Department of Mechanical Engineering, University of California at Berkeley, USA), Alberto Bemporad (Dipartimento di Ingegneria dell'Informazione, Università di Siena, Italy), Paul I. Barton (Chemical Engineering, Massachusetts Institute of Technology, USA), Volker Mehrmann (Institut für Mathematik, Technische Universität Berlin, Germany), Lorenz T. Biegler (Chemical Engineering, Carnegie Mellon University, USA), Ignacio E. Grossmann (Chemical Engineering, Carnegie Mellon University, USA), Frank Doyle (Chemical Engineering, University of California, Santa Barbara, USA), Frank Allgöwer (Institute for Systems Theory and Automatic Control, University of Stuttgart, Germany).

Contributed Presentations:

Interested researchers in Operations Research, Applied Mathematics and all disciplines of engineering are invited to submit 1 page abstract by sending e-mail to: mturkay@ku.edu.tr. The contributed papers will be delivered as oral (20 minutes) or poster presentations. The authors should indicate their choice of delivery method.

Workshop Publications: Journal of Process Control will publish a special issue on Hybrid Systems: Modeling, Simulation and Optimization a topic that is also the theme of the workshop. All submissions must be focused on the topic of the special issue and belong to the general scope of Journal of Process Control. The main challenge and principal goal of this premium special issue is to contribute to the foundations hybrid systems and applications of hybrid systems methodology to interesting problems. Guest Editors: Prof. Dr. Lorenz T. Biegler, Prof. Dr. Bülent Karasözen, Assoc.Prof. Dr. Metin Türkay.

Submission Details: Detailed information about the journal and author submission guidelines can be found under <http://www.sciencedirect.com/science/journal/09591524>.

Important Dates:

Deadline for abstract submission: **March 31, 2008**

Notification of acceptance: April 10, 2008

Early Registration Deadline: April 15, 2008

Workshop Fees:

Until April 15, 2008

Regular 75 EUR

Student 50 EUR

After April 15, 2008

100 EUR

60 EUR

Registration fee includes coffee breaks, lunches, and the conference dinner on a cruise boat along Bosphorus. Cancellations must be received in writing; no refunds will be issued after May 1, 2008.

Sponsors: TÜBITAK, Koc University, Institute of Applied Mathematics, METU, Carnegie Mellon University, Department of Chemical Engineering, KUMPEM, The European Office of Aerospace Research & Development (EOARD), IBM Corporation, EURO-CBBM: EURO Working Group on Operational Research in Computational Biology, Bioinformatics and Medicine, EUROPT: EURO Working Group on Continuous Optimization.

Call for Site Proposals ICCOPT 2010

The ICCOPT Steering Committee of the Mathematical Programming Society: Tamas Terlaky (Chair) terlaky@mcmaster.ca, Michael Ferris ferris@cs.wisc.edu, Panos M. Pardalos pardalos@ufl.edu, Claudia Sagastizabal sagastiz@impa.br, Andrew Philpott a.philpott@auckland.ac.nz, Florian Jarre jarre@am.uni-duesseldorf.de, Miguel A. Goberna mgoberna@ua.es, Michael Powell mjdp@amtp.cam.ac.uk, Akiko Yoshise yoshise@shako.sk.tsukuba.ac.jp and Ya-xiang Yuan yyx@lsec.cc.ac.cn is requesting proposals to organize ICCOPT III, the 2010 International Conference on Continuous Optimization of the Mathematical Programming Society.

ICCOPT is the flagship conference of the MPS in the area of continuous optimization. It is held every three years and the next conference is scheduled for 2010. For information about the past ICCOPT conferences visit the WEB-site: <http://iccopt-mopta.mcmaster.ca>. The next ICCOPT conference is scheduled for August 2010.

The ICCOPT Steering Committee is soliciting proposals to organize ICCOPT III in August 2010, including the site and the Organizing Committee.

Selection criteria:

1. Existence of continuous optimization researchers in that geographic area who are interested in organizing ICCOPT III.
2. Attendance open to prospective participants from all nations.
3. Availability of an attractive facility with a sufficient number of meeting rooms, standard lecture equipment, etc., preferably at a university campus.
4. Availability of a sufficient supply of reasonably economical hotel and/or university dormitory rooms fairly near the meeting facility.
5. In particular, sites outside of North America are encouraged to apply.

Some characteristics of previous ICCOPT conferences:

1. About 450 participants.
2. Plenary, semiplenary lectures, invited and contributed sessions, poster session and poster competition.
3. The length of the first and second conferences were 3 days and 4 days, respectively.
4. A 2 day long tutorial workshop for graduate students.
5. All inclusive conference (coffee and lunches).
6. Young Researchers Prize in Continuous Optimization.
7. Program and Prize committees formed in consultation with the Steering Committee.
8. Social events, student's social, banquet.
9. Reasonably low registration fee (the ICCOPT Steering Committee will assist with the solicitation of sponsorship)

10. No proceedings of papers, no competitive selection of talks, but only one presentation per paid participant.

Further information can be obtained from any member of the steering committee.

Submission deadline: **1 April 2008** to the Chair of the ICCOPT Steering Committee: Tamas Terlaky terlaky@mcmaster.ca

Call for Participants: Conference on Numerical Analysis and Optimization

April 6 - 8, 2008, Muscat, Oman

http://www.squ.edu.om/sci/Math/numerical_optimization/nao2008.htm

You are cordially invited to participate in the Conference on Numerical Analysis and Optimization, April 6-8, 2008, in Muscat, Oman, which will be held on the campus of Sultan Qaboos University.

Invited speakers:

- Oleg Burdakov, Linkoping University, Sweden
- Yu-Hong Dai, Chinese Academy of Sciences, China
- Gianni Di Pillo, Rome University, Italy
- Francisco Facchinei, Rome University, Italy
- Masao Fukushima, Kyoto University, Japan
- Laura Palagi, Rome University, Italy
- Mike J.D. Powell, Cambridge University, UK
- Cornelis Roos, Delft University of Technology, Denmark
- Ekkehard W. Sachs, University of Trier, Germany
- Emilio Spedicato, Bergamo University, Italy
- Philippe Toint, University of Namur, Belgium
- G. Alistair Watson, University of Dundee, UK

Scientific committee:

- Mehiddin Al-Baali, Sultan Qaboos University, Oman
- Lucio Grandinetti, Calabria University, Italy
- Luigi Grippo, Rome University, Italy
- Humaid Khalfan, UAE University, United Arab Emirates

Local organizing committee:

Mehiddin Al-Baali (Chair), Hamdi Al-Barwani, Mohamed Al-Lawati and Anton Purnama

E-Mails: nao08@squ.edu.om, albaali@squ.edu.om, albaalim@gmail.com

First Call for papers: 2008 Israeli Operations Research Society (ORSIS) Conference

Israel, May 18-19, 2008, <http://www.bgu.ac.il/~orsis08>

The next conference of the Operations Research Society of Israel (ORSIS) <http://iew3.technion.ac.il/Labs/Orsis/> will take place **May 18 and 19, 2008** at the Shefayim Hotel http://www.h-shefayim.co.il/en_location.html in Israel. Shefayim is a kibbutz off the road from Tel-Aviv to Haifa and near Herzliya. The conference is sponsored by the Department of Industrial Engineering & Management in Ben Gurion University and by IBM research.

Those wishing to present a paper at the conference are hereby invited to submit an abstract. Furthermore, those wishing to organize a session are invited to contact the conference chairman directly at ariehg@bgu.ac.il.

To submit a paper to the conference please send an abstract (in English) by email to the organizing committee at orsis2008@bgu.ac.il. **Submissions need to be received by April 18, 2008 to receive full consideration.** The abstract should be no longer than a single page and should be typed in Word or ASCII plain text. The abstract should include the following information: title of talk, list of authors including affiliations, presenting author, contact information for the presenting author, suggested classification (please refer to the link below) and day preference for the talk (i.e., only if it must be on Sunday, or it must be on Monday)

The 2008 ORSIS conference committee
Arieh Gavious (chair), Eran Hanany, Moshe Kaspi, Joseph Pliskin

Last Announcement and Call for Papers: 3 rd International Conference “from Scientific Computing to Computational Engineering” (3rd IC-SCCE) Athens, Greece, July 9-12, 2008, <http://www.scce.gr>

All scientists and engineers from the academic, scientific, engineering and industrial sectors are invited to participate in the Conference and to contribute both in the promotion and the dissemination of the scientific knowledge.

Contribution Invited: Contributions related to any aspects from Scientific Computing to Computational Engineering are enthusiastically encouraged. The contributions will be published in the Conference Proceedings which will have an ISBN number. Also selected papers will be reviewed for publication in a special issue of the International Journal of Low Carbon Technologies.

Abstracts of papers proposed for oral or poster presentation at the **3rd IC-SCCE** should be approximately 200 words in length and must be submitted together with the abstract cover sheet (please refer to Conference's Website). Before acceptance, all contributions will be assessed by experienced reviewers.

Conference Language will be English.

Important Dates

Deadline for the submission of the Abstracts: **20 April, 2008**

Notification of Acceptance: 4 May, 2008

Deadline for full paper submission: 25 May 2008

CONFERENCE SECRETARIAT address:

Laboratory of Fluid Mechanics and Energy, Chemical Engineering Dept., University of Patras, P.O. BOX 1400, 26500 Patras, GREECE, Tel: +30.2610.969571, Fax: +30.2610.996344, Email: info2008@scce.gr

Reminder: SAGO, the International Workshop on Stochastic and Applied Global Optimization 19-23 July 2008, South Africa <http://web.wits.ac.za/NewsRoom/Conferences/sago/>

The conference website is being updated with the latest information.

The SAGO conference will be at an attractive venue, located in the Kruger National Park. Hear about the latest advances in global optimization and view giraffes, lions and elephants as well.

Deadline for early registration (reduced fee - 415 €): April 15th, 2008
Deadline for last minute registration (445 €): May 31st, 2008
Discovery trip from Jo'burg to Krugerpark: July 19th, 2008
Start conference: July 20th, 2008, return to Jo'burg July 23rd

Fee: The fee of 415 € per participant (early registration) includes breakfast, lunch, safari discovery, diner, coffee, game ride and braai (BBQ) in the park and a book of abstracts.

Accommodation: is not included in the conference fee. On registration, the participant will be contacted on accommodation possibilities. The prices range between about 85 and 250 euros for the 4 nights depending on sharing a facility or not and availability (first come first served). A conservation fee of R133 per person per day in the Kruger Park must also be paid. SAGO will be held immediately after IFORS.

First Call for Papers: The 8th Annual MOPTA Conference
Modeling and Optimization: Theory and Applications 2008
August 18 - 20, 2008, Guelph, Ontario, Canada
<http://www.mathstat.uoguelph.ca/mopta>

The 8th annual MOPTA Conference (MOPTA 08) will be held at the campus of the University of Guelph. It will be hosted by the Department of Mathematics and Statistics in the College of Physical Engineering and Science and is co-sponsored by the Fields Institute, MITACS, and the University of Waterloo. This year's event will include special sessions and a banquet celebration in honour of the 60th birthday of Henry Wolkowicz.

SCOPE

The conference attracts a diverse group of people from both discrete and continuous optimization. We aim to bring together researchers from the theoretical and applied communities who do not usually get the chance to interact in the framework of a medium-scale event.

PLENARY SPEAKERS

- Florian Jarre, Mathematical Institute, University of Dusseldorf
- Don Jones, General Motors
- Joaquim Judice, Dept. Mathematics, University of Coimbra
- Jean Lasserre, LAAS-CNRS
- Panos Pardalos, Dept. Industrial & Systems Engineering, University of Florida
- Georgia Perakis, Sloan School of Management, MIT
- Yves Smeers, Dept. Mathematical Engineering, Catholic University of Louvain

PARTICIPATION

This is an invitation for organized sessions as well as contributed talks and posters.

Participants interested in organizing an invited session should contact the chair of the organizing committee (Miguel Anjos, manjos@uoguelph.ca).

Authors wishing to present their research in the form of a contributed talk or poster are encouraged to submit their abstract (in PDF format) by **June 6, 2008** at <http://www.mathstat.uoguelph.ca/mopta/abstracts.php>

Notification of acceptance/rejection will be sent shortly after the submission deadline of **June 6, 2008**.

Call for Papers: International Conference on Power Control Optimization (PCO'2008)

18-20 July 2008, Chiang Mai, Thailand, <http://www.engedu2.net>

The international conference on Power Control and Optimization is organized by Department of Electrical Engineering, Chiang Mai University, Thailand and Curtin University of Technology, Malaysia.

The vision of PCO-08 is to bring today's highly inspiring and precision innovative research and resource development for tomorrow's industry in power and control. It has the mission to highlight innovative research and development of academics and industrial experts in the area of power control and its optimization techniques, and to provide a forum to disseminate the results to all industrial sectors in power quality, automation, business, finance, economics and management. Also, to bring all necessary information of the most recent and relevant innovations in regard to the theories and practices in industrial engineering and management, where a constructive dialogues on theoretical concepts, practical ideas and results of the state of the art will be developed.

The main objective of PCO-08 is to provide a platform for researchers, engineers, practitioners and academicians as well as industrial professionals to present their research results and development activities.

This conference, as part of discussing the results, ensures to provide opportunities for delegates to exchange new innovative ideas and application experiences face to face, and to provide a platform where possible entrepreneurs can think of new ventures, or generate research contacts and find global partners for future collaboration.

Venue: Chiang Mai Plaza hotel, <http://www.cnxplaza.com/>

Topics

Scope of the conference is contemporary and original research and educational development in the area of electrical power engineering, control systems and methods of optimization. The scope of the conference includes, but not limited to the following topics:

Power Generation, stations	Software engineering
Hybrid power system	Soft computing
Hydrogen fuel cell	Computational intelligent
Renewable energy system	Hybrid optimization
Space harmonic and vector analysis	Fuzzy optimization
Finite element machine design	Neuro-Fuzzy systems
Speed drive systems	Large-scale systems
Micro-controller design	Artificial immune system
Variable structure control	Production system design
Direct torque control	Rough set
Smart controller and prototype machine	Evolutionary algorithms
Actuators and mechatronics	Genetic optimization
Robotics and automation	Particle swarm optimization
Nano Physics	Ant colony optimization
Micro and nano motors	Simulated Annealing
NEMS and MEMS	Tabu Search
Modeling and simulation	Probabilistic Reasoning
- Simulator design	Possibilistic Optimization

Important dates

Paper Submission	14/03/2008
Formal acceptance letter with peer review	01/05/2008
Camera Ready Paper	01/06/2008
Registration with full payment	01/06/2008
Conference commencement	18/07/2008

Paper Submission <http://www.engedu2.net/cources/6.htm>

Registration fee covers all Three day sessions, program booklet, CD proceeding, Lunches, Tea breaks, and Banquet dinner. The fee is unique and identical for all delegates. The full payment of Euro 200.00 per delegate must be paid before the deadline 01/06/2008.

All correspondence should be addressed to the conference secretariat:
Professor Dr. Nader Barsoum nmb3@hotmail.com Email: icpco.20@gmail.com

Further links: <http://www.pattaya.bangkok.com/>, <http://www.kohsamui.org/>, <http://www.phuket.com/>

CALL FOR PAPERS: IFIP Working Group 7.6 Workshop on Modelling and Decision Support for Network-based Services September 1-3, 2008, Warsaw, Poland, <http://www.itl.waw.pl/konf/ifip2008/>

Workshop is attached to the International Conference Decision Support for Telecommunications and Information Society (DSTIS) September 4-5, 2008, National Institute of Telecommunications, Warsaw, Poland, <http://www.itl.waw.pl/konf/dstis/2008/>

ABOUT IFIP workshop: The aim of the Working Group 7.6 is to apply analytical and knowledge-driven modelling, optimization and multi-criteria analysis for solving real world problems using Web and network-based computing technologies. Any methodological approach or combination of solution techniques, which solves real world problems successfully. The Working Group is focused on:

- Optimization, multi-criteria decision analysis and simulation
- Efficient use of databases, data mining and knowledge engineering in analytical modelling
- Implementation of knowledge-driven, grid-based, and service-oriented modelling systems

Application Domains:

- Special emphasis on the service industry (e.g., communications, logistics, healthcare)
- Environmental (e.g., climate, sustainable environments)
- Homeland security and emergency response
- Social sciences (e.g., risk management, social networks)

Topics of interest

- Modelling of services
- Service-based support of modelling
- Network-based decision support
- Knowledge science and engineering
- Application areas: supply chain management, traffic and transportation, telecommunications, health care, sustainable environments, emergency response, homeland security

Paper publication: One page abstract structure should be as follows:

Title of the paper, authors and their affiliations, keywords, abstract, references. The font size should be single spaced 12 pt. Left and top margin required is 2,5 cm. We accept word, LATEX and PDF version of the abstract. Please send the files with abstract to ifip2008@itl.waw.pl as an attachment of an email.

Important dates:

Abstract submission deadline: **May 1, 2008**

Notification of acceptance: May 20, 2008

Registration June 15, 2008

Venue: The conference will be held in the National Institute of Telecommunications in Warsaw, situated about 20 km from the centre of the city.

General Chair: Andrzej P. Wierzbicki, National Institute of Telecommunications, Poland
Janusz Granat, National Institute of Telecommunications, Poland

Call for Papers:
International Conference Operations Research (OR 2008)
September 3-5, 2008, Augsburg, Germany, <http://www.or2008.de/>

This international conference is the annual meeting of the German Operations Research Society. Special topic of this year's conference is "OR and Global Business", but presentations within all areas of Operations Research are welcome. Sections in the fields of applications are "Health Care & Environment", "Finance and Accounting", "Production & Service Management", "Scheduling & Project Management", "Supply Chain and Inventory Management", "Traffic and Transportation" and in the fields of methods and theory the sections are "Applied Probability and Stochastic Programming", "Business Informatics, Decision Support & Artificial Intelligence", "Discrete and Combinatorial Optimization", "Forecasting, Economics & Game Theory", "Linear, Nonlinear and Vector Optimization" and "Network Optimization".

The deadline for abstract submission is **April 30, 2008**.

Additionally, an extended abstract or a paper can be submitted until July 31, 2008 for publication in the Springer conference proceedings. Full papers may also be submitted to one of GOR's journals OR-Spectrum and Mathematical Methods of Operations Research.

You are also welcome to invite colleagues, members of your working group or organize sessions on special topics. In case of questions, please do not hesitate to contact Petra Huhn petra.huhn@math.tu-clausthal.de or Gerhard-Wilhelm Weber gweber@metu.edu.tr.

**Call for Papers: International Conference Decision Support for
Telecommunications and Information Society (DSTIS)**
September 4-5, 2008, Warsaw, Poland
<http://www.itl.waw.pl/konf/dstis/2008/>

Attached to the DSTIS conference, on September 1-3 in the same place, there is another conference of the VEAM IFIP Working Group, see <http://www.itl.waw.pl/konf/ifip2008/>

The DSTIS'2008 conference is devoted to issues of decision support in applications to telecommunications and computer networks, generally for information society. This will be the seventh conference on this subject of growing importance, with a tradition starting at the year 2000. The dynamics of telecommunication sector development and strong competition in this sector in most countries induce telecommunication operators to use new computerised tools. Such tools might help in planning network development, in assessing financial and economic standing, in network design and management, in corporate management including strategic decisions and negotiations of interconnection agreements. The intensive development and decreasing costs of information technology increase the availability of such tools. The aim of this conference is to bring together international experts and researchers working in decision support and related fields, in order to present diverse methods and tools of decision analysis and support as well as knowledge engineering, which are applied in telecommunications industry and information society.

Topics of interest:

- Distributed and agent based modelling
- Analytical modelling
- Multicriteria decision support systems
- Data mining
- Data warehousing
- Knowledge engineering, creation and management
- Soft computing
- Security in telecommunications
- New generations of decision support systems
- Decision support for information society
- Implementation of all above subjects in planning and management of telecommunications networks and in development of new network services

Paper publication: One page abstract structure should be as follows: title of the paper, authors and their affiliations, keywords, abstract, references. The font size should be single-spaced 12 pt. Left and top margin required is 2,5 cm. We accept word and PDF version of the abstract. Please send the files with abstract to dstis@itl.waw.pl as an attachment of an email.

Publication: All papers will be published in the *Proceedings of 7th International Conference on Decision Support for Telecommunications and Information Society*. Selected papers will appear in a special issue of the [*Journal of Telecommunications and Information Technology*](#) published by the National Institute of Telecommunications.

Important dates:

Abstract submission deadline: **May 1, 2008**

Notification of acceptance: May 20, 2008

Registration June 15, 2008

Venue: The conference will be held in the National Institute of Telecommunications in Warsaw, situated about 20 km from the centre of the city.

Conference committees:

General Chair: Andrzej P. Wierzbicki, NIT (Poland)

Program Committee

- | | | |
|----------------------------|--------------------------|----------------------------|
| • J. C. Climaco, Portugal | • K. Miettinen, Finland | • A. Schuster, UK |
| • J. R. Figueira, Portugal | • J. Nakamori, Japan | • H. J. Sebastian, Germany |
| • J. Granat, Poland | • H. Nakayama, Japan | • R. Słowiński, Poland |
| • O. Hryniewicz, Poland | • W. Ogryczak, Poland | • H. Tamura, Japan |
| • J. Kacprzyk, Poland | • E. Orłowska, Poland | • W. Traczyk, Poland |
| • J. Koronacki, Poland | • M. Pióro, Poland | • S. Voss, Germany |
| • M. Makowski, Austria | • F. R. de la Rúa, Spain | |

Call for Papers: UK OR Society's 50th Anniversary Conference York, UK, September 9-11, 2008,

[http://www.orsoc.org.uk/orshop/\(5gpwhnvq0putoi55x1lmxgae\)/orcontent.aspx?inc=or50_main.htm](http://www.orsoc.org.uk/orshop/(5gpwhnvq0putoi55x1lmxgae)/orcontent.aspx?inc=or50_main.htm)

Welcome to OR50, the Golden Anniversary conference of the UK OR Society. Some extra-special events are planned to mark the anniversary and it promises to be a fantastic conference. There already are 36 streams in a wide range of topics.

Abstracts should be submitted at

http://www.orsoc.org.uk/conference/papersubmission/conference_submit.asp?cid=20.

Written papers are not required. For planning we would be especially grateful if papers could be submitted by **end March**.

10th Workshop on Optimization and Inverse Problems in Electromagnetism (OIPE 2008)

Ilmenau, Germany, September 14-17, 2008, <http://www.OIPE2008.org/>

The aim of the workshop is to discuss recent developments in optimization and inverse methodologies and their applications to the design and operation of electromagnetic devices. It is intended to establish with the workshop an occasion where experts in electromagnetics and other areas (e.g. engineering, mathematics, physics, etc.), involved in research or industrial activities, can discuss on the theoretical aspects and on the

technical relevance of optimization and inverse problems, in the general framework of the innovation in electromagnetic methods and applications. Thus, the workshop will offer a platform for the exchange of information and experience of developments, trends and applications from both industrial and theoretical view points.

The workshop website includes the Call-for-Papers. We invite you to submit a paper to the OIPE 2008 workshop. The workshop language will be English.

Authors are encouraged to submit a two-page digest. Please note the deadlines for:

- Digest: **April 15, 2008**
- Full paper: **September 17, 2008**

Online submission is required and can be done via the OIPE 2008 Workshop web page www.OIPE2008.org (templates for preparing the papers will be available on the web page).

Please visit the workshop website (www.OIPE2008.org) from time to time and check for updates.

Whereas the digests will be published in the workshop proceedings available at the workshop, a selected number of papers will be published (after a peer reviewing procedure) in:

- The International Journal for Computation and Mathematics in Electrical and Electronic Engineering (COMPEL), (in issue 5, 2009)
- International Journal of Applied Electromagnetics and Mechanics (IJAEM), (in 2009)
- International Journal of Bioelectromagnetism (IJBEM), (online)

We very much appreciate your cooperation in forwarding this information to other colleagues who might be interested in submitting a paper. If you have any further questions, please do not hesitate to contact us.

Jens Haeisen, Chairman of OIPE 2008 Workshop, info@oipe2008.org

Call for Papers: 1st International Conference on Applied Operational Research (ICAOR'08) Yerevan, Armenia, 15-17 September 2008, <http://www.tadbirstm.org.ir>

The conference is a yearly forum which brings together academics and practitioners from around the world with an opportunity to discuss current issues in an informal setting. The ICAOR 2008 conference will take place at American University of Armenia (AUA) in the city of Yerevan. We invite you to join your colleagues for this international meeting.

Conference Theme: The conference will cover all aspects of operational research with particular emphasis being placed on applications, including, but not limited to:

- * Accounting, Auditing & Tax
- * Agriculture & Fisheries
- * Artificial Intelligence
- * Combinatorial Optimisation
- * Data Mining
- * Decision Analysis & Support
- * Defence & Military
- * Energy, Natural Resources & Environment
- * Financial Services
- * Forecasting
- * Graphs & Networks
- * Health & Social Services
- * Heuristics
- * Information Science
- * Location Analysis
- * Maintenance
- * Manufacturing & Services
- * Marketing
- * Mathematical Programming
- * Meta-Heuristics
- * Optimisation
- * Organisation
- * Quality, Statistics & Reliability
- * Queuing
- * Revenue Management & Pricing
- * Scheduling
- * Simulation
- * Telecommunications
- * Timetabling
- * Transportation, Traffic & Logistics

Paper Submission: Researchers wishing to contribute to the conference are invited to submit manuscripts of not more than 12 pages either as full papers or extended abstracts. The working language of the conference is English. Authors are encouraged to prepare their manuscripts in LNCS style using the MS Word template provided by Springer, please see Information for LNCS Authors. Papers should be submitted in MS Word (.doc) via email to tadbir@tadbirstm.org.ir. Each submission will be assigned an identification number. Please quote this in all correspondence. All submissions will be reviewed by at least two referees, and successful papers will be included in the Conference Proceedings.

Special Issue: The authors of accepted papers will have the opportunity to submit extended versions of their papers for consideration to a post-conference special issue of the Journal of Applied Operational Research (JAOR) ISSN 1735-8523. We celebrate JAOR's launch at this particular occasion.

Important Dates

15-Apr-08 - Paper submission deadline
31-May-08 - Notification of decisions
10-Jun-08 - Registration deadline
30-Jun-08 - Camera-ready deadline

Organising Committee: Kaveh Sheibani, Tadbir Institute for Operational Research, Systems Design and Financial Services, Iran Ben Atkinson, London Metropolitan University, UK

International Programme Committee: Ben Atkinson, London Metropolitan University, UK George Ioannou, Athens University of Economics & Business, Greece Sigrid Knust, Universitaet Osnabrueck, Germany Gilbert Laporte, HEC Montréal, Canada Francesco Masulli, University of Genova, Italy Rym Hallah, Kuwait University, Kuwait Margarida Moz, Technical University of Lisbon, Portugal Sivalinga Ponnambalam, Monash University, Malaysia Campus Bakhyt Sarymsakova, National Research Centre of MCH, Kazakhstan Andrea Schaefer, University of Udine, Italy Kaveh Sheibani, Tadbir Institute, Iran

Registration: The registration fee is £250 (GBP) per delegate. This includes participation in all sessions, the proceedings, coffee breaks, refreshments, lunches and conference dinner on Monday 15th September.

About Armenia: American University of Armenia (AUA) is located in Yerevan, the capital of Armenia, considered to be one of the oldest cities in the world, founded around 782 B.C. Today, Yerevan is an urban metropolitan centre with about one million residents. It covers about 300 square kilometres. Yerevan lies at an altitude of between 950 and 1200 meters above sea level and is surrounded by beautiful hills and mountains. Mount Ararat is visible from many parts of the city.

Contact Details: Dr Kaveh Sheibani, Organising Committee
Tadbir Institute for Operational Research, tadbir@tadbirstm.org.ir

First Call for Papers: MOPGP08, 8th International Conference on Multiple Objective and Goal Programming September 24-26, 2008, Portsmouth, United Kingdom <http://www.mopgp.com>

The MOPGP series aims to bring together academics and practitioners from a wide range of disciplines whose common interest is the development of theory and state-of-the art practice for decision situations containing multiple objectives.

Papers are invited on any topic relating to the theory and application of multiple objective and goal programming. Please send an abstract of no more than 500 words to mopgp08@port.ac.uk. Preferred formats are Word or pdf files. The abstract **deadline is 26th June 2008**.

Portsmouth is a historic naval city on the South Coast of England. Portsmouth enjoys easy access to the International Airports of Heathrow and Gatwick and is a commercial ferry port linking England to France and Spain. The venue for MOPGP is the Park Building at the University of Portsmouth. It is located within walking distance of the city centre and the seafront.

**Call for Papers: 11th INFORMS COMPUTING SOCIETY
CONFERENCE Operations Research and Cyberinfrastructure
Charleston, South Carolina, January 11-13, 2009
<http://ics09.meetings.informs.org/>**

The INFORMS Computing Society (ICS) solicits papers and presentations for its eleventh conference on the interface of computer science (CS), artificial intelligence (AI), operations research, and management science (OR/MS). The conference organizers invite you to submit theoretical and applied work that highlights the conference theme: Operations Research and Cyberinfrastructure, in particular: high-performance computing and communications; data management, analysis, and visualization; virtual organizations; and learning and workforce development.

Areas of interest also include (but are not limited to) design and analysis of algorithms, heuristic search and learning, modeling languages, parallel and distributed computing, simulation, and computational logic. Work that focuses on new or novel applications in the interface of CS, AI, and OR/MS is especially welcome.

We are especially interested in receiving proposals for tracks and sessions in line with the general conference themes at this time. Email proposals to the organizers at ics09@mail.informs.org. Papers and presentations can be submitted via the conference web site.

Submissions are in two categories:

1. fully-refereed papers for the conference volume published by Springer (also presented at the conference)
2. papers for presentation only.

Important Dates:

Papers for Conference Volume:

Submission deadline: **June 1, 2008**
Notification of acceptance: August 1, 2008
Final papers due: September 1, 2008

Presentation Abstracts:

Submission deadline: November 1, 2008
Notification of acceptance: November 15, 2008

**Second Call for Papers:
ICMSAO'09, Third International Conference on Modeling,
Simulation, and Applied Optimization
Sharjah, United Arab Emirates, January 20–22, 2009
<http://www.aus.edu/conferences/icmsao09/index.php>**

The conference will provide a forum where engineers, scientists, and mathematicians from academia and industry can meet to share ideas of latest research work in all branches of Science and Engineering involving the modeling and simulation of processes and systems. The conference will be held at the American University of Sharjah, Sharjah, UAE. Sharjah is 20 minutes from Dubai which is the home of the Dubai Shopping Festival, the largest in the gulf area that will be organized at the same time as the conference.

A number of leading researchers in the field of simulation, modeling, and optimization will be invited to deliver keynote lectures.

Prospective authors are invited to submit extended abstracts on modeling, simulation and applied optimization domains related to, but not limited to, the following fields:

Artificial Intelligence, Neural Network & Fuzzy Systems Engineering Systems Management, Biomedical Engineering Mathematical Modeling in Environ. Sciences, Chemical Engineering Mechanical Engineering, Civil Engineering Numerical Analysis/Methods, Coding and Cryptography Oil and Gas Industries, Communications and Networking Optimal Control, Computer Engineering Optimization, Difference Equations Ordinary Differential Equations, Economics Partial Differential Equations, Electrical Engineering Statistical and Probabilistic Modeling

Prospective authors should submit two pages extended abstract at <http://icmsao.trackchair.com/>. The Abstract should clearly state the objectives, results and conclusions of the work undertaken and emphasize the novel aspects of the work. Contact information and affiliation of the corresponding author must be included.

Papers presented at the conference will be published in the conference proceedings. A maximum of six-page camera-ready manuscript of accepted papers should be submitted by the deadline mentioned below. Selected papers will be published in a special issue of a journal to be determined. Selected papers will be published in a special issue of the Journal of The Franklin Institute.

Proposals for half-day (3-hour) tutorials are solicited in areas related to the conference scope. Proposals should include the topic, expected background of participants, objectives, a short summary, and qualifications of the instructor(s).

IMPORTANT DATES

Deadline for submission of two Pages Extended Abstracts:	15 April, 2008
Submission of Tutorial Proposal:.....	15 May, 2008
Notification of acceptance of Extended Abstracts:.....	15 June, 2008
Submission of Camera-ready Manuscripts and Author Registration:....	30 September, 2008
Conference Program Announcement:	30 October, 2008

ICMSAO'09 is organized jointly with the 7th International Conference on Composite Science and Technology (ICCST/7) that will be held at the same time and venue as ICMSAO'09. **One registration fee covers both conferences.**

For further information, check the conference website <http://www.aus.edu/conferences/icmsao09/index.php> or contact the conference organizers at icmsao@aus.edu

Call for Papers: WCSMO-8: 8th World Congress on Structural and Multidisciplinary Optimization

Lisbon, Portugal, 1-5 June 2009
<http://www.wcsmo8.org>

Contributions are invited in all fields of structural and multidisciplinary optimization. The topic areas for this congress have been organized into five broad topics:

- (1) Structural optimization
- (2) Multidisciplinary design optimization
- (3) Design optimization in thermal and fluid engineering systems
- (4) Engineering optimization and inverse problems
- (5) Basic engineering optimization techniques
- (6) Optimization in emerging areas (materials design, bioengineering, multibody systems dynamics, MEMS, ecodesign),
- (7) Applications.

**Call for Tenders for the
O. C. Zienkiewicz Award for
Young Scientists in Computational Engineering Sciences
and J. L. Lions Award for
Young Scientists in Computational Mathematics
Awarded by the European Community on Computational Methods in
Applied Sciences and Engineering (ECCOMAS)**

GENERAL RULES

- 2) Candidates for the Awards are European scientists below 40 years of age in the year the Award is granted.
- 3) Award candidates can be nominated by themselves or by a third person or a group of persons. A Curriculum Vitae of the candidate should be enclosed with the nomination.
- 4) The Awards will be granted either at the different ECCOMAS conferences on Computational Fluid Dynamics and Computational Solid and Structural Mechanics or at ECCOMAS Congresss.
- 5) The Award Committee is formed by the ECCOMAS Managing Board.
- 6) Decision on the selection of awardees will be taken by majority rule of the Award Committee members.
- 7) The Awards will include a Diploma, free registration to the ECCOMAS 2008 Congress and a sum of 2000 Euros for travelling and accommodation expenses support.

RULES FOR THE ECCOMAS 2008 AWARDS

- 1) The Award Committee is formed by the members of the ECCOMAS Managing Board.
- 2) Eligibility: In this edition, candidates have to be born after January 1st 1968.
- 3) Deadline for receiving candidates for the Awards is **April 1st 2008**.
- 4) Decisions on the O. C. Zienkiewicz Award and the J. L. Lions Award will be taken by the Award Committee before May 15th 2008.
- 5) The Awards will be handed over at the joint 8th World Conference on Computational Mechanics and 5th European Congress on Computational Methods in Applied Sciences and Engineering (IACM-ECCOMAS Congress 2008), that will take place on the Lido of Venice, on June 30th – July 4th 2008.

Nominations for the ECCOMAS 2008 Award should be sent to the

ECCOMAS Award Secretariat

International Center for Numerical Methods in Engineering (CIMNE)

C/. Gran Capitan, s/n, Campus Norte UPC - Edificio C-1, 08034 Barcelona - SPAIN

Fax : + 34 93 401 65 17, Email: eccomas@cimne.upc.edu, URL: <http://www.eccomas.org>

New Awards by ECCOMAS

The Managing Board of ECCOMAS has decided to deliver three new ECCOMAS Awards offered to the scientific community. The Awards are:

- The **Ritz-Galerkin Medal**, honouring individuals who have made outstanding, sustained contributions in the field of computational methods in applied sciences.
- The **Prandtl Medal**, honouring individuals who have made outstanding and sustained contributions to the area of computational fluid dynamics (CFD).
- The **Euler Medal**, honouring individuals who have made outstanding and sustained contributions to the area of computational solid and structural mechanics (CSSM).

The Awards will be delivered for the first time at the ECCOMAS-IACM Congress in Venice (30 June - 4 July 2008).

The Ritz-Galerkin Medal is the highest award given by ECCOMAS. It honors individuals who have made outstanding, sustained contributions in the field of computational methods in applied sciences over periods representing substantial portions of their professional careers. The medal carries the images of Walter Ritz and Boris Galerkin in recognition of the synergy between mathematics, numerical analysis, mechanics of solids and structures, fluid dynamics, and other engineering disciplines that underpin much of the broad field of computational methods in applied sciences. The medal is awarded every **four years** at the ECCOMAS Congress.

The Prandtl Medal will be awarded for outstanding and sustained contributions to the area of computational fluid dynamics (CFD). These contributions shall generally be in the form of important research results which significantly advance the understanding and application of theories and methods impacting CFD. The medal carries the image of Ludwig Prandtl. The medal is awarded every **two years** at the ECCOMAS Computational Fluid Conference or at the ECCOMAS Congress.

The Euler Medal will be given for outstanding and sustained contributions to the area of computational solid and structural mechanics (CSSM). These contributions shall generally be in the form of important research results which significantly advance the understanding and application of mathematical theories and methods impacting CSSM. The medal carries the image of Leonhard Euler. The medal is awarded every **two years** at the ECCOMAS Computational Solid and Structural Mechanics Conference or at the ECCOMAS Congress.

General guidelines for the selection of recipients of the ECCOMAS Awards

Eligibility. All recipients shall be members of organisations affiliated to the European Community on Computational Methods in Applied Sciences.

Frequency. The awards shall not be given more frequently than once every two years in the case of Prandtl and Euler Awards, and 4 years in the case of the Ritz-Galerkin Award.

Nominations. The ECCOMAS Awards Committee, appointed by the Managing Board, solicits nominations **from the ECCOMAS Membership**. Nominators may nominate no more than one individual for each award. Self-nominations are not accepted. Nominators are invited to submit a one-page maximum combined nominating statement/vita in support of the nominee. The Awards Committee shall select a candidate for each award and present these selections to the ECCOMAS Managing Board, for the final decision.

Award Committee

The Award Committee for the ECCOMAS Award 2008 consists of the persons listed below. It is the responsibility of the Awards Committee to make all preparations for the selection of the awardees and presentation of the awards to them at the ECCOMAS Congress or at ECCOMAS Conferences, as appropriate.

Award Committee for the ECCOMAS Awards 2008:

E. Oñate (Chair), O. Mahrenholtz, H. Mang, J. Periaux, N. E. Wiberg

Voting Committee

The Voting Committee consists of one representative of each organization affiliated to ECCOMAS and the chairman of the Award Committee who will chair the Voting Committee. Members of the Voting Committee are not eligible for Awards.

Calendar

The calendar for the Awardees Selection Process is the following:

- Proposals must be submitted by **March 31, 2008** at 17:00 hr. (Greenwich meantime). No new members for the Voting Committee will be accepted after the fixed date.
- April 7, 2008: Announcement of the Voting Committee in the ECCOMAS web page.
- April 18, 2008, 17:00 (Greenwich meantime): Receipt of proposals for ECCOMAS Awards.
- May 19, 2008, 17:00 (Greenwich meantime): End of voting process and selection of awardees. The voting process will be carried out electronically via the internet voting platform provided by the ECCOMAS Secretariat at Barcelona.

Nominations must be sent by e-mail to onate@cimne.upc.edu

You are invited to take part in this important initiative by nominating distinguished scientists for the ECCOMAS Awards.

Eugenio Onate, Chairman of the ECCOMAS Awards Committee, onate@cimne.upc.edu,
<http://www.eccomas.org>

New Book Announcement: Evolutionary Algorithms for Solving Multi-Objective Problems, by Carlos A. Coello Coello, Gary B. Lamont and David A. Van Veldhuizen, 2nd edition

Springer, Genetic and Evolutionary Computation Series, ISBN: 978-0-387-33254-3. September 2007, 800 pages, 50 illustrations, Hardcover.

<http://www.springer.com/west/home?SGWID=4-102-22-173660344-0&changeHeader=true>

This textbook is the second edition of Evolutionary Algorithms for Solving Multi-Objective Problems, significantly augmented with contemporary knowledge and adapted for the classroom. All the various features of multi-objective evolutionary algorithms (MOEAs) are presented in a student-friendly fashion, incorporating state-of-the-art research results. The diversity of serial and parallel MOEA structures are given, evaluated and compared. The book provides detailed insight into the application of MOEA techniques to an array of practical problems.

Position: Full Professor Position in Operations Research, University of Karlsruhe, Germany

A Full Professor Position (W3) in Operations Research is available at the Faculty of Economics and Business Engineering, University of Karlsruhe (TH). Closing date: **10 April 2008**. For detailed information (in German), see <http://www.wiwi.uni-karlsruhe.de/termine/W3-OperationsResearch.pdf>.

Position: Associate Senior Lecturer in Optimization with Application to Medicine and Simulation University of Gothenburg, Sweden

University of Gothenburg has an open position: Associate Senior Lecturer in optimization, placed within the Department of Mathematical Sciences. The applicant should have a Ph.D. degree (earned at most four years before the deadline of the application) preferably in mathematics or applied mathematics, experience in optimization and preferably also in simulation, as well as pedagogical skills. The position is valid for four years; after this period, an evaluation based on research and pedagogical merits may make the position permanent. For more information, see <http://www.math.chalmers.se/bitrlektoroptimering080229eng.pdf>

Position: Postdoc Position at the Optimization and Optimal Control Group at the Johann Radon Institute for Computational and Applied Mathematics (RICAM) of the Austrian Academy of Sciences, Linz, Austria

The "Scientific computing - Optimization and Optimal Control Group" is searching a PostDoc with a strong background in partial differential equations or variational problems and scientific computing. The research focus will be adjusted according to the interests of the successful candidate. Possible specializations include all areas of continuous optimization, optimization in the context of mathematical finance, life sciences, and material sciences. A doctorate in mathematics or a closely related field is required. The working language is English. The initial contract can be for up to three years, a renewal for three more years is possible depending on achievements. For more information contact Prof. K. Kunisch at: karl.kunisch@uni-graz.at.

Positions: Three Research Positions, Aveiro University

The Centre for Research on Optimization and Control (CEOC) <http://ceoc.mat.ua.pt/> of the University of Aveiro, invites applications for 3 research positions, each one in the following topics: Algebraic Graph Theory; Combinatorial Optimization and Control Theory on Time Scales. The candidates should have a PhD in mathematics with at least three years of experience in one of the above research topics. Furthermore, the candidates should be fluent in English.

To ensure full consideration, applications should be received by **May 23, 2008**. Please see details at <http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=8960>

Some Words from the Newsletter Editor

Dear reader,

I thank all those who have sent me material for this newsletter and our chair, Willi Weber, in particular. As always, material for the next newsletter is most welcome. Please, send me email with 'EUROPT Newsletter' as the subject!

Remember that EUROPT website http://www.iam.metu.edu.tr/EUROPT/h_scientificyeni.html has information about conferences among many other useful links. I have collected links related to conferences in operations research and optimization at <http://www.mit.jyu.fi/miettinen/lista.html#Conferences>. For further optimization-related information, you may visit <http://optnet.itwm.fhg.de/opt-net/>, the Opt-Net electronic forum for the optimization community organized by [SIGOPT](#) under the auspices of the Deutsche Mathematiker Vereinigung ([DMV](#)).

EUROPT welcomes new members. So, please, spread the word to colleagues, students etc. who may be interested in joining EUROPT. Filling the form at http://anadolu.lib.metu.edu.tr/EUROPT/h_newuser.php is all that is needed. Note that EUROPT has no membership fees!

With best wishes, Kaisa Miettinen kaisa.miettinen@jyu.fi

P.S. Prof. Jerome Stein will give his invited talk in the EurOPT-2008 conference in Lithuania <http://www.mii.lt/europt-2008> on "A Tale of Two Debt Crises: A Stochastic Optimal Control Analysis" and the full paper is available at http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1092397.

EUROPT NEWSLETTER

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