Second Call

15th International Conference on Operational Research
KOI 2014
Conference theme: OR and Business Analytics

September 24-26, 2014
Osijek, Croatia

Organizers:
Croatian Operational Research Society
in collaboration with
Faculty of Economics in Osijek
& Department of Mathematics
University of Josip Juraj Strossmayer in Osijek
Osijek, Croatia

http://www.hdoi.hr/koi2014

Objectives and Topics of the Conference

International Conference on Operational Research (KOI) brings together researchers and practitioners from various aspects of operational research (OR) with the aim of establishing contacts, presenting scientific ideas and experiences.

Conference is focused but not limited to the following topics: Linear and Non-linear Programming, Integer Programming, Combinatorial and Discrete Optimization, Multi-objective Programming, Stochastic Models and Optimization, Scheduling, Macroeconomics, Econometrics and Economic Theory, Game Theory, Statistics, Marketing and Data Analysis, Banking, Finance, Insurance, Environment, Energy, Health, Information and Decision Support Systems, Neural Networks and Fuzzy Systems, Control Theory, Simulation, Business Analytics, Practical OR and Applications. The topics are divided into following main sections:

- OR Theory and Applications
- Mathematical Programming
- Multicriteria Decision Making
- Quantitative Methods in Banking and Finance
- Statistics and Econometrics
- Machine Learning, Data Mining and Analytics

There will be plenary lectures of 45 minutes, contributed lectures of 15 minutes for presentation and additional 5 minutes for discussion.
Invited keynote speakers

Professor James J. Cochran
Louisiana Tech University, 
College of Business, 
Ruston, LA, USA

Professor Ali Emrouznejad
Aston University 
Operations & Information 
Management Group 
Aston Business School 
Birmingham, United Kingdom

Professor Goran Lešaja
Georgia Southern University, 
Department of Mathematical Sciences, 
Statesboro, GA, USA

Professor Amir Nakib
Université Paris Est Créteil ex. 
Université Paris 12, 
Faculté des Sciences, Créteil, 
France

Professor Janez Povh
Faculty for Information Studies Novo Mesto, 
Novo Mesto, Slovenia

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Josip Mesarić, University of Osijek, Croatia
Luka Neralic, University of Zagreb, Croatia
Snjezana Pivac, University of Split, Croatia
Paolo Serafin, University of Udine, Italy
Darko Skorin-Kapov, Adelphi University, USA
Jadranka Skorin-Kapov, Stony Brook University, USA
Alemla Segota, University of Rijeka, Croatia
Kristina Soric, Zagreb School of Economics and Management, Croatia
Greys Sosic, University of Southern California, Los Angeles, USA
Visnja Vojvodic-Rozenzweig, Zagreb School of Economics and Management, Croatia
Richard Wendell, University of Pittsburgh, Pittsburgh, USA
Lidija Zadnik-Stirn, University of Ljubljana, Slovenia
Marijana Zekic-Susac, University of Osijek, Croatia
Sanjo Zlobec, McGill University, Canada

Organizing Committee

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Marina Jeger, University of Osijek, Croatia
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Martina Bris Alic, University of Osijek, Croatia

Special Section in Honor of prof. Luka Neralic on Occasion of His 70th Birthday

One of the KOI 2014 sections will be dedicated to the occasion of prof. Luka Neralic's 70th birthday. Prof. Luka Neralic was one of the founders and the first president of Croatian Operational Research Society (CRORS). He made valuable contribution to development of OR in Croatia and to international recognition of CRORS, and was awarded with the CRORS Distinguished Service Award in 2013. The areas of his research include data envelopment analysis (DEA), linear programming, parametric programming, multi-objective programming, sensitivity and stability analysis. We invite all researchers in the above areas to participate in this special section.

Prizes and Awards

The following prizes and awards will be delivered at the Closing ceremony of the KOI 2014 conference:

- CRORS Distinguished Service Award (CRORS DSA)
- CRORS Best Young Researcher Paper Award (CRORS BYRP)

All information about awards and nominating procedure for the awards can be found at the web page of the conference. We accept nominations!

Conference Workshop
Teaching Effectiveness Colloquium (TEC) Croatia 2014

Chair:
James J. Cochran, Louisiana Tech University, USA

Instructors:
James J. Cochran, Louisiana Tech University, USA
Michael J. Fry, University of Cincinnati, USA
Jeffrey D. Camm, University of Cincinnati, USA

The workshop will be organized as a part of the KOI 2014 conference in three 60-minute sessions. Each session will cover one of the topics.
The Teaching Effectiveness Colloquium (TEC) has been previously organized by INFORMS & J.J. Cochran in USA, Uruguay, South Africa, Colombia, Kenya, India and Argentina.

Professor James J. Cochran has a rich experience in OR teaching methods. He has published a number of papers in journals, 5 books, and other publications in the area of OR. He is the Editor in Chief of the *Wiley Encyclopedia of Operations Research and Management Science*, Vols 1-8, Wiley-Blackwell, 2011, and was the Editor in Chief of the *INFORMS Transactions on Education* from 2007-2012. He is also the Founding Chair of IFORS/ INFORMS International Education Initiative.

We encourage especially young researchers and other scholars to attend the workshop in order to improve their teaching methodology in OR. Please apply for the workshop in advance to: hdoi@hdoi.hr.

### Instructions to Authors

Authors who wish to present a paper at the Conference should submit the extended abstract of not more than one page. Please follow instructions to authors at the conference web site [http://www.hdoi.hr/koi2014](http://www.hdoi.hr/koi2014).

After the acceptance of the abstract, full paper should be submitted through the Online submission system. The extended abstracts will be published at the Book of Abstracts and distributed at the conference.

After the conference, full papers will be reviewed by two independent reviewers, and accepted papers will be published in the *Croatian Operational Research Journal (CRORR)* special issue of the KOI 2014 conference, which is indexed in Current Index to Statistics, EBSCO host, EconLit, Genamics Journal Seek, INSPEC, Mathematical Reviews/Current Mathematical Publications (MathSciNet), Proquest, Thomson Web of Knowledge (through INSPEC database), and Zentralblatt fuer Mathematik/Mathematics Abstract (CompactMath).

### Deadlines

- **July 1, 2014** - Submission of abstracts
- **July 15, 2014** - Notification of acceptance
- **September 10, 2014** – Registration fee payment
- **September 26, 2014** - Submission of full papers

### Registration Fees

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<th>Fee</th>
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<tbody>
<tr>
<td>CRORS and SDI/SOR members</td>
<td>130,00 eur</td>
</tr>
<tr>
<td>Non-members</td>
<td>180,00 eur</td>
</tr>
<tr>
<td>Accompanying person (is not the author or co-author)</td>
<td>80,00 eur</td>
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The registration fee includes: Book of Abstracts (will be distributed at the conference), CRORR Journal (special issue from the KOI conference, containing positively reviewed full papers after the conference), coffee breaks and social program costs, including welcome reception and excursion with dinner. Registration fee should be paid by direct bank transfer to:

**Recipient:** Hrvatsko drustvo za operacijska istrazivanja  
**Bank code:** 2360000-1000000013  
**SWIFT address:** ZABAHR2X  
**IBAN:** HR9323600001101418273  
**Bank address:** Zagrebacka banka d.d., Paromlinska 2, 10000 Zagreb

Please, send the copy of bank transfer to the mailing address: koi@hdoi.hr or hdoi@hdoi.hr.

### Venue and Accommodation

Conference will take place at Faculty of Economics in Osijek, University of Osijek, Croatia, Gajev trg 7.
City of Osijek is located at the North-East of Croatia in Slavonia region near the border of Hungary. It can be reached by car, bus or train. Nearest airports are in Zagreb and Budapest. Please find more information about travel, city of Osijek, hotels etc. on web site [http://www.osijek.hr/en/](http://www.osijek.hr/en/).

Hotels that are in walking distance from the conference venue:

**Hotel Osijek:** Tel.: +385 31 230 333, Fax: +385 31 230 444, E-mail: info@hotelosijek.hr, web: [http://www.hotelosijek.hr/](http://www.hotelosijek.hr/)

**Hotel Waldinger:** Tel.: +385 31 250 450, Fax: +385 31 250 453, info@waldinger.hr, web: [http://www.waldinger.hr](http://www.waldinger.hr)

**Vienna Apartments:** Tel: +385 31 214 026, Fax: +385 31 207 041, E-mail: info@vienna-smjestaj.com, web: [http://www.osijek.a-croatia.com/vienna-apartments](http://www.osijek.a-croatia.com/vienna-apartments)

For hotel accommodation please contact hotels directly, and ask for KOI 2014 conference discount.

### Social events

There will be an excursion to the Park of nature „Kopacki rit“ with a boat trip, a visit to the rural area with traditional Slavonic food with famous sausages, dinner, vine degustation, and cultural events.

### Conference Contact

Croatian Operational Research Society  
Trg J.F. Kennedya 6, 10 000 Zagreb, Croatia  
e-mail: koi@hdoi.hr or hdoi@hdoi.hr  
web page: [http://www.hdoi.hr/koi2014](http://www.hdoi.hr/koi2014)

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