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## Daniele Vigo

### Chair of the EURO 2016 Programme Committee

Department of Electrical, Electronic and Information Engineering  
University of Bologna

e-mail: [daniele.vigo@unibo.it](mailto:daniele.vigo@unibo.it)

## Programme Committee

### Daniele Vigo

*Chair of the EURO 2016 Programme Committee*  
University of Bologna, Italy

### Ivana Ljubic

ESSEC Business School, France

### Tolga Bektas

University of Southampton, United Kingdom

### Marco Lübbecke

RWTH Aachen University, Germany

### Sally Brailsford

*EURO Vice President I (2015)*  
University of Southampton, United Kingdom

### Inês Marques

University of Lisbon, Portugal

### Erik Demeulemeester

KU Leuven, Belgium

### Mustafa Pinar

Bilkent University, Turkey

### Wout Dullaert

Vrije Universiteit Amsterdam, The Netherlands

### David Pisinger

Technical University of Denmark, Denmark

### Salvatore Greco

University of Catania, Italy

### Dolores Romero Morales

Copenhagen Business School, Denmark

### Joanna Józefowska

*Chair of the EURO 2016 Organising Committee*  
Poznan University of Technology, Poland

### Albert Wagelmans

*EURO Vice President I (2016)*  
Erasmus University Rotterdam, The Netherlands

### Ruth Kaufman

London School of Economics, United Kingdom

### Gerhard-Wilhelm Weber

Middle East Technical University, Turkey

### Ekaterina Kostina

University of Heidelberg, Germany



## Joanna Józefowska

**Chair of the EURO 2016 Organising Committee**

Institute of Computing Science, Faculty of Computing  
Poznan University of Technology

e-mail: [joanna.jozefowska@cs.put.poznan.pl](mailto:joanna.jozefowska@cs.put.poznan.pl)

## Organising Committee

### Joanna Józefowska

*Chair of the EURO 2016 Organising Committee*  
Poznan University of Technology, Poland

### Jan Owiński

*General Secretary of the Polish Operational and Systems Research Society*

### Jacek Błażewicz

Poznan University of Technology, Poland

### Grzegorz Pawlak

Poznan University of Technology, Poland

### Sally Brailsford

*EURO Vice President I (2015)*  
University of Southampton, United Kingdom

### Rafał Różycki

Poznan University of Technology, Poland

### Mateusz Cicheński

Poznan University of Technology, Poland

### Roman Słowiński

Poznan University of Technology, Poland

### Sarah Fores

*EURO Manager*

### Maciej Stroiński

Poznan Supercomputing and Networking Center,  
Poland

### Janusz Kacprzyk

*President of the Polish Operational and Systems Research Society*

### Jan Węglarz

Poznan University of Technology, Poland

### Miłosz Kadziński

Poznan University of Technology, Poland

### Daniele Vigo

*Chair of the EURO 2016 Programme Committee*  
University of Bologna, Italy



## Poznan University of Technology

Politechnika Poznańska

pl. Marii Skłodowskiej-Curie 5  
60-965 Poznań, Poland

*established:* 1919

*website:* [www.put.poznan.pl/](http://www.put.poznan.pl/)

*rector:* Prof. Tomasz Łodygowski

**Poznan University of Technology (PUT)** is one of the leading technical universities in Poland. With its **21 thousand students** and **12 hundred academic staff** it has become one of the most recognized landmarks of Western Poland, where education is perfectly combined with industry.

PUT grew out of the Higher State School of Mechanical Engineering which **was established in 1919**. In the first few decades, it was oriented toward mechanical, electrical, and civil engineering. Currently, ten PUT's faculties offer **study programs** conducted both in Polish and English in **27 fields** ranging from architectural design through computer science, telecommunications, and transportation to technical physics and chemical technology.

PUT has been given a very high position in the national university rankings. Over the years, the university has successfully developed **relationships with all aspects of business**, management, and new technology communities. Their encouragement supported by the advice of more than a thousand SMEs help us to adjust our educational programs. In this way, PUT's graduates can meet the high requirements of the international markets.

Although PUT has world-class achievements in chemical technologies, mechatronics, engineering, and production systems, it is very well known for its **Operations Research and Management Science group**. The group was set up around 40 years ago, and is currently established within the Faculty of Computing. It consists of about 60 researchers with its three pillars - EURO Gold Medal winners: Jacek Błażewicz, Roman Słowiński, and Jan Węglarz. The main interests of the group members is best shown by the focus of the EURO Working Groups (EWGs) they are most actively involved. These include EWGs on Multiple Criteria Decision Aiding, Combinatorial Optimization, Transportation and Project Management and Scheduling.



## EURO - The Association of European Operational Research Societies

*member societies:* 31

*established:* 1975

*website:* [www.euro-online.org](http://www.euro-online.org)

*president:* Prof. Elena Fernández

**EURO** is the **Association of European Operational Research Societies**. It is a non-profit organisation, **founded in 1975** and domiciled in Switzerland. Its objective is to **promote Operational Research throughout Europe**. EURO is a regional grouping within the International Federation of Operational Research Societies (IFORS) and full membership is restricted to national societies that are members of IFORS.

EURO is regulated by a Council consisting of representatives/alternates of all its members and an Executive Committee, which constitutes its board of directors. In addition the Executive Committee and Council select an IFORS Vice-President to liaise with IFORS. EURO is supported by additional officers who have specific responsibilities and administrative roles.

The aims of EURO are the advancement of knowledge, interest and education in operational research by the exchange of information, the holding of meetings and conferences, the publication of books, papers, and journals, the awarding of prizes, and the promotion of early stage talents. Full details of EURO activities can be found at <https://www.euro-online.org/>.



## Polish Operational and Systems Research Society

Polskie Towarzystwo Badań Operacyjnych i Systemowych

Newelska 6  
01-447 Warszawa, Poland

*established:* 1986

*website:* [www.ptbois.org.pl](http://www.ptbois.org.pl)

*president:* Prof. Janusz Kacprzyk

**Polish Operational and System Research Society (POSRR)** was **established in 1986** as an initiative of the research community active in the two closely related domains, aiming at a more effective promotion of the two domains and activation of a broader circle of specialists, especially those involved in practical work. The Society functions on the basis of a legal registration, through its statutory bodies.

The Society conducts the following kinds of activities:

- **Organisation of cyclical national conferences (BOS)** of the research and application communities from operational and system research as well as co-organisation of international and specialist conference in the subject.
- **Publications**, containing materials originating either from the BOS conferences or from other forms of activity.
- Own research, including that conducted in collaboration with other institutions. Research is usually done through **project teams** established by the Society for particular purposes. Through its broad contacts POSRR is capable of carrying out valuable work, of both fundamental and of applied nature in a variety of specific domains.
- Demonstrating to the wider community the benefits that Operational Research can bring to the society.

More details about the activities of POSRR can be found at <http://www.ptbois.org.pl/>.

## Poznań Supercomputing and Networking Center (PSNC)

Poznańskie Centrum Superkomputerowo-Sieciowe (PCSS)



ul. Jana Pawła II 10  
61-139 Poznań  
tel: (+48 61) 858-20-01  
fax: (+48 61) 852-59-54

e-mail: [office@man.poznan.pl](mailto:office@man.poznan.pl)  
*websites:*  
[pcss.pl](http://pcss.pl)  
[conference4me.psnc.pl/en/](http://conference4me.psnc.pl/en/)

Poznań Supercomputing and Networking Center (PSNC), affiliated to the Institute of Bioorganic Chemistry of the Polish Academy of Sciences, was founded in 1993 to build and develop computer infrastructure for science and education in Poznań and in Poland. This infrastructure includes metropolitan network POZMAN, High Performance Computing (HPC) Center, as well as the national broadband network PIONIER, providing the Internet and network services on international, domestic and local levels. With the development of the computer infrastructure, PSNC has been managing research and development within the field of new generation computer networks, high performance – parallel and distributed – computations and archive systems, cloud computing and grid technologies. PSNC is working also on the themes of green ICT, future Internet technologies & ideas, network safety, innovative applications, web portals, as well as creating, storing and managing digital content. Since PSNC is a public entity, within its sphere of interests is the development of solutions for e-government, education, medicine, new media & communications.

At EURO 2016, PSNC supports the Organizing Committee in conducting online transmission of some special sessions during the conference as well as preparation of the Conference App.



## Poznań International Fair Ltd.

Międzynarodowe Targi Poznańskie (MTP)

Głogowska 14  
60-734 Poznań, Poland

website: [www.mtp.pl](http://www.mtp.pl)  
[www.pcc.mtp.pl](http://www.pcc.mtp.pl)

*founded:* 1921

*president:* Przemysław Trawa

*representatives:* Sabrina Żymierska  
Anna Paczos

Poznań International Fair (MTP) is a **leader of the Polish exhibition industry** and the first organizer of exhibition events and fair in Central and Eastern Europe. MTP, consisting of over 70 meeting rooms, Congress Hall for up to 2000 participants and 16 exhibition halls, offers modern and versatile interiors, open space and plenty of natural light. The breakout rooms, equipped with the latest technologies and a modular system of sliding walls, allow for the organization of diverse range of events - from small business meetings for twelve people to congresses for more than twelve thousands participants.

Professional and experienced MTP team offers comprehensive organization of every event, incl. rental of the conference rooms, lighting design and sound system, catering, running the congress office, transport and accommodation. Also organizing the press conferences or the press centre, preparing all promotional materials or artistic setting are in wide range of MTP ability.

At EURO 2016, MTP are the Professional Conference Organising Company chosen by the conference Organising Committee to support the organisation and the successful running of the conference.



## Building a better working world

At EY's IT Advisory Services we focus on your challenges to help deliver improved business performance by addressing the IT and business agenda together. We work directly with CIOs and others to create a more effective IT organization. This allows IT to drive process efficiencies throughout the organization and better support and deliver transformational business change. We also provide a wide range of cybersecurity services combining our experience in performance improvement with the technical and engineering skills of the best talent on the market.

For more information about our organization, please visit [ey.com/pl](http://ey.com/pl).

<b>EY</b>
<i>website: <a href="http://ey.com/pl">ey.com/pl</a></i>

EY is a global leader in assurance, tax, transaction and advisory services. The insights and quality services we deliver help build trust and confidence in the capital markets and in economies the world over. We develop outstanding leaders who team to deliver on our promises to all of our stakeholders. In so doing, we play a critical role in building a better working world for our people, for our clients and for our communities.

▶ EY

Building CW, ground floor, stand 13



<b>Amazon</b>
<i>website: <a href="http://www.amazon.com">www.amazon.com</a>, <a href="http://www.amazon.jobs">www.amazon.jobs</a></i>

### Innovating to give customers what they want, when they want it

Fulfillment is at the heart of the Amazon experience. We deliver millions of products to hundreds of countries worldwide. Our teams possess a wide range of skills and expertise, from business analysis and inventory management to engineering. With more than 120 Fulfillment Centers worldwide and 29 in Europe, Amazon Fulfillment is growing at a pace that requires the best and brightest talent to be involved in our company, so with their help we can continue to make history.

Amazon's evolution has been driven by innovation. It's part of our DNA. We are doing things every day that have never been done before – providing a huge selection of products while continuing to fulfill orders quickly. We accomplish this by using ingenuity and simplicity to solve complex problems.

Millions of people count on Amazon to provide them with their favourite products – our Software Engineers and Research Scientists help make that possible. We use machine learning, data analytics, and complex simulations to ensure Amazon has the products customers want and that we can deliver them quickly. We employ many of the tried-and-true technologies that are taught in academia and used by other companies; however, due to the increasing scale of our business and the evolving nature of online commerce, we are constantly innovating in order to build the next generation of solutions that will define the future of our industry.

We create. We build. We take ownership of what we do – whether we're developing a new technology in-house or launching a new Fulfillment Center. Together, we're constantly creating ideas, services and products that make life easier for Amazon's millions of customers. Regardless of role, each and every Amazonian is completely focused on working hard, having fun and making history.

We strive to hire the brightest minds and to provide a range of career opportunities for professionals and academics who have diverse academic backgrounds.

▶ Amazon

Building CW, ground floor, stand 2



## Elsevier

*website:* [elsevier.com](http://elsevier.com)

*type:* publisher

Elsevier publishes leading journals in OR/MS and Decision Sciences, including European Journal of Operational Research, Computers & Operations Research, and International Journal of Production Economics. Elsevier journals occupy 8 of the Top 10 Impact Factor positions in the Operations Research & Management Science category of Thomson Reuters' Science Citation Index.

Come to the Elsevier booth, where our representatives will be happy to discuss your personal publishing options across our range of journals. You can also sign up to receive feedback on your research from top Editors during the conference. To find out more, and get the most out of your time at EURO 2016, visit [elsevier.com/exhibitions-update/EUROConf](http://elsevier.com/exhibitions-update/EUROConf).

▶ Elsevier

Building CW, ground floor, stand 11



## FICO

*website:* [fico.com](http://fico.com)

*type:* analytics software and tools

FICO (NYSE: FICO) is a leading analytics software company, helping businesses in 80+ countries make better decisions that drive higher levels of growth, profitability and customer satisfaction. The company's groundbreaking use of Big Data and mathematical algorithms to predict consumer behavior has transformed entire industries. FICO provides analytics software and tools used across multiple industries to manage risk, fight fraud, build more profitable customer relationships, optimize operations and meet strict government regulations. Many of our products reach industry-wide adoption — such as the FICO<sup>®</sup> Score, the standard measure of consumer credit risk in the United States. FICO solutions leverage open-source standards and cloud computing to maximize flexibility, speed deployment and reduce costs. The company also helps millions of people manage their personal credit health. FICO: Make every decision count™.

▶ FICO

Building CW, ground floor, stand 10



## SPRINGER NATURE

### Springer Nature

*website:* [www.springernature.com](http://www.springernature.com)    *type:* publisher  
*tel:* +49.(0)6221.487-0    *fax:* +49.(0)6221.487-366

Springer Nature is one of the world's leading global research, educational and professional publishers, home to an array of respected and trusted brands providing quality content through a range of innovative products and services.

Springer Nature is the world's largest academic book publisher, publisher of the world's most influential journals and a pioneer in the field of open research. The company numbers almost 13,000 staff in over 50 countries and has a turnover of approximately EUR 1.5 billion. Springer Nature was formed in 2015 through the merger of Nature Publishing Group, Palgrave Macmillan, Macmillan Education and Springer Science+Business Media.

▶ **Springer Nature**

Building CW, ground floor, stand 3

## palgrave macmillan

### Palgrave Macmillan

*website:* [palgrave.com](http://palgrave.com)    *type:* publisher

Palgrave Macmillan is a global academic publisher for scholarship, research and professional learning. We publish monographs, journals, reference works and professional titles, online and in print. With a focus on humanities and social sciences, Palgrave Macmillan offers authors and readers the very best in academic content whilst also supporting the community with innovative new formats and tools.

▶ **Palgrave Macmillan**

Building CW, ground floor, stand 4



**Taylor & Francis Group**  
an **informa** business

### Taylor & Francis

*website:* [taylorandfrancis.com](http://taylorandfrancis.com)    *type:* publisher

Taylor & Francis boasts a first-class journal portfolio publishing Operational Research and Management Science articles as well as a wide range of scholarship from related disciplines. Our journals are edited by some of the most prominent academics in the world and offer a variety of accommodating options for our authors. Our high impact journals include International Journal of Production Research and International Journal of Management Science and Engineering Management, now in its tenth year.

▶ **Taylor & Francis**

Building CW, ground floor, stand 9

# ▶ MEETINGS OF THE COMMITTEES

Formal meetings of the Committees took place as follows:

November, 2013. First meeting of the OC, Poznań

July 13th 2015. First meeting of the PC, Glasgow

April 17-19th 2016. Joint meeting of the PC and OC, Poznań

In addition to this PC had several skype meetings, and the PC chair visited Poznań in January 2015 to inspect the venue and discuss with the OC.

Members of the OC started regular meetings already in the beginning of 2015 in order to prepare the preliminary budget and promotion (presentation, stand, post-cards etc.) to be presented in Glasgow in July 2015. The meetings took place every two weeks but from January 2016 regular OC meetings took place every week. Very helpful was participation of the PCI representative in these meetings. Every member of the OC was responsible for specific aspects of the conference (conference book, rooms and facilities, registration system, volunteers, exhibition, social events, technical meetings, catering, accommodation, social media, online transmission and recording, conference App, website, sponsorship, one of the OC members was also a member of the MAI group formed together with PC members).

Two meetings were organized with OC and University conference team where the main responsibilities were defined. Later the contacts were maintained directly between persons responsible for the same aspect of the conference when needed.

On a (approximately) 4 week basis there were regular skype meetings of the OC and PC Chairs complementary to ad-hoc mail exchange.



The first event promoting the EURO-2016 conference took place in Glasgow during the EURO-2015. A stand with information about the conference venue and dates was open in the exhibition area and relevant announcement was provided during the closing session. Fliers in a form of a post-card were placed in the conference bags and additionally delivered at the stand. The same fliers were disseminated by all OC and PC members at other conferences where they attended. Gerhard Wilhelm Weber and other OC and PC members did a great effort marketing the Conference at available mailing lists and among colleagues and friends. The website was available from late October at in parallel FB and Twitter announcements started to appear with news about plenary and keynote speakers, tourist attractions in Poznań and Poland etc.

A lot of effort was put into helping people from developing countries to attend the conference. Since the threat of no-shows was great we decided not to waive the fee completely and we required the fee to be paid before invitation letters were sent. In the few cases of visa refusal the fee was reimbursed. Instead of waiving the fee we offered free or very cheap accommodation in PUT dormitories.

We experienced that is it important to provide the participants with both payment methods: bank transfer and credit card. It is worth mentioning that for delegates from several non-European countries transfer of money before the conference was impossible either way. We accepted on-site payment in few cases.



**EURO 2016** POZNAŃ **3-6** 07.2016 **28th European Conference on Operational Research**

Poznań, Poland / July 3-6, 2016  
[www.euro2016.poznan.pl](http://www.euro2016.poznan.pl)

**EURO**  
The Association of European Operational Research Societies



# ▶ SUBMISSIONS

The deadlines for the most important activities related to the Conference were as follows:

- October 2015, webpage open for submissions
- 1 March 2016, original abstract deadline
- 1 April 2016, early bird registration deadline
- 15 April 2016, author registration deadline
- 3-6 July 2016, conference in Poznań

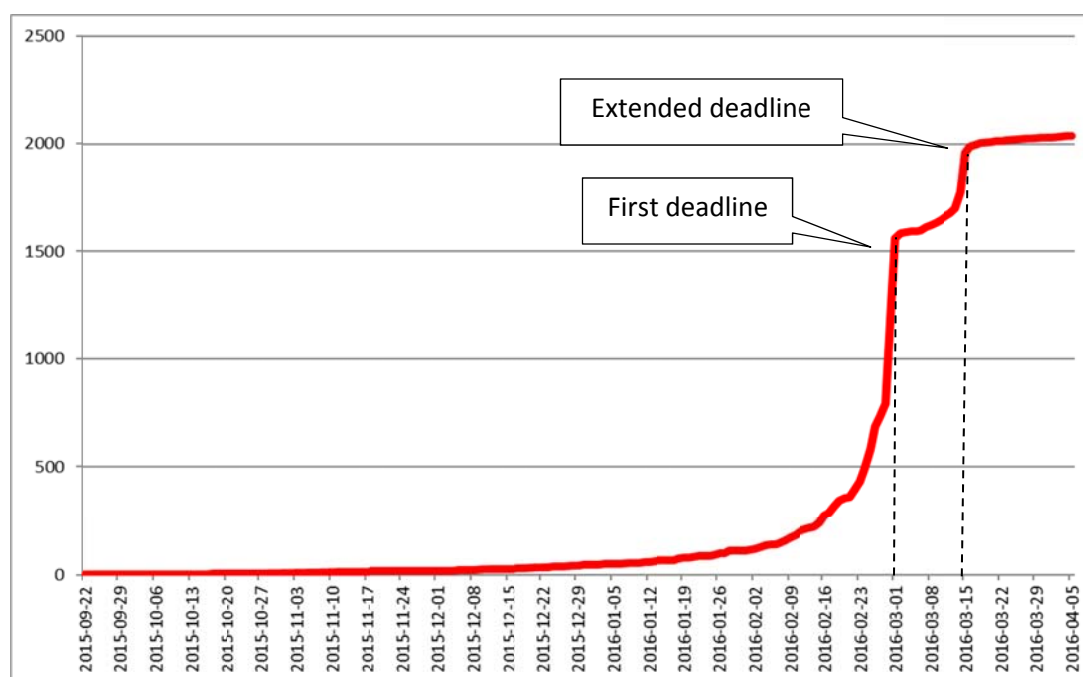
The original deadline for abstract submission was March 1st, but following the tradition of EURO conference it was extended by two weeks until March 15th. This meant that the PC had a good overview of all submitted papers for the joint PC-OC meeting in April 2016.

Several papers were accepted after the deadline to fill holes in some invited sessions.

Continuing the strive towards a higher quality of EURO conferences the PC put a lot of effort into inviting excellent plenary and keynote speakers. The length of abstracts was maintained as in Glasgow, i.e. 1500 characters. The review process was performed carefully sharing the responsibility in several stages: area, stream and session organizers.

The submissions followed the general tendency from previous conferences with most abstracts submitted in the last days before the deadline. The number of submissions reached approximately 1600 at the first deadline and increased by almost 30% to reach finally 2038 abstracts. Similarly as in Glasgow it was observed that some authors were slow at registering. Very clear explanation was necessary to inform that submissions with unregistered authors should be removed from the schedule by 15 April 2016. Some exceptions, especially for participants from developing countries were necessary due to money transfer problems. Finally, the number of now-shows was negligible.

The PC decided to update the areas and streams of the Conference. Some smaller areas or streams having quite few submissions were merged. This resulted in a list show below. Each PC member was responsible for 2-3 areas, taking care of inviting stream organizers, advertising the area, and ensuring quality control. This resulted in 120 steams shown later in the detailed schedule.



AREAS	
Analytics, Data Science and Data Mining	OR History and OR Ethics
Artificial Intelligence, Fuzzy Systems and Computing	OR for Developing Countries and Humanitarian Applications
Continuous Optimization	OR Education
Control Theory and System Dynamics	OR in Health, Life Sciences and Sports
Decision Analysis, Decision Support Systems, DEA and Performance Measurement	Discrete Optimization, Mixed Integer Linear and Nonlinear Programming
OR in Industry and Software for OR	Practice of OR (Making an Impact)
Emerging Applications of OR	Revenue Management
Energy, Environment, Natural Resources and Climate	Production Management and Supply Chain Management
Financial Modeling, Risk Management and Managerial Accounting	Scheduling, Timetabling and Project Management
Game Theory and Mathematical Economics	Routing, Location, Logistics and Transportation
Graphs and Networks	Simulation, Stochastic and Robust Optimization
Multiple-Criteria Decision Making and Optimization	Soft OR, Problem Structuring Methods and Behavioural OR
Metaheuristics	

Overall 1580 presentations were delivered at EURO during the days 3–6 July 2016. A breakdown of the presentations by country shows that most speakers came from Germany (168), Turkey (118) and United Kingdom (127).

TALKS BY COUNTRY					
Germany	168	Australia	16	Thailand	3
Poland	135	Russian Federation	16	Bermuda	3
United Kingdom	127	Korea Republic Of	16	Ukraine	3
Turkey	118	Greece	15	Pakistan	2
France	102	Norway	13	Belarus	2
Italy	95	Colombia	13	Singapore	2
United States	66	Iran Islamic Republic Of	12	Slovakia	2
Netherlands	66	Hong Kong	11	Peru	2
Spain	57	Ireland	10	Bosnia and Herzegovina	2
Belgium	56	South Africa	10	Afghanistan	2
Brazil	41	Lithuania	10	Bulgaria	2
Taiwan	39	Romania	9	Philippines	2
Japan	37	Sweden	9	Georgia	1
Austria	37	Mexico	8	Ecuador	1
China	35	Serbia	6	United Arab Emirates	1
Portugal	30	New Zealand	6	Malaysia	1
Denmark	25	Indonesia	6	Argentina	1
India	24	Luxembourg	5	Lebanon	1
Finland	24	Algeria	5	Latvia	1
Canada	22	Slovenia	4	Egypt	1
Switzerland	22	Croatia	4	Nigeria	1
Chile	21	Iceland	4	Syrian Arab Republic	1
Israel	19	Hungary	4	Cote D'ivoire	1
Czech Republic	17	Tunisia	4		

## Awards and Special Presentations Schedule

	Sunday, July 3	Monday, July 4	Tuesday, July 5	Wednesday, July 6
Morning A		MA 08:30-10:00 <b>ROADEF/EURO</b> (CW, 123)	TA 08:30-10:00 <b>ROADEF/EURO</b> (CW, 123)	WA 08:30-10:00
Morning B		MB 10:30-12:00 <b>EJOR</b> (CW, 1) <b>Memorial session</b> (CW, 123)	TB 10:30-12:00 <b>EDDA</b> (CW, 123)	WB 10:30-12:00
Midday C		MC 12:30-14:00 <b>EEPA 1</b> (CW, 123) <b>EthOR</b> (CW, 1)	TC 12:30-14:00	WC 12:30-14:00
Afternoon D		MD 14:30-16:00 <b>EEPA 2</b> (CW, 123)	TD 14:30-16:00 <b>MAI Roundtable</b> (CW, 123)	WD 14:30-15:30
Afternoon E	SE 16:30-18:00 <b>Opening Session</b> <b>EGM, EDSM</b>	ME 16:30-17:30	TE 17:30-18:30	WE 16:00-17:45 <b>Closing Session</b>

The main structure of the conference schedule was designed jointly by the PC and OC while the detailed scheduling of the sessions was done by the PC with the support of integer programming models developed by Thomas J. Stidsen of DTU, Denmark and already tested during EURO 27th. The use of optimization tools greatly speeded up the scheduling process and produced an excellent and reliable starting point for the final one.

For the first time a special memorial session was organized in memoriam of two former EURO Presidents: Rolf Tomlinson and Maurice Shutler who passed away in 2015. The session was chaired by Graham Rand and Jakob Krarup.



# ► CONFERENCE SCHEDULE

## Schedule overview

Sunday, July 3	Monday - Wednesday	Monday, July 4	Tuesday, July 5	Wednesday, July 6
	<b>Morning A</b>	MA 08:30-10:00 Parallel Sessions	TA 08:30-10:00 Parallel Sessions	WA 08:30-10:00 Parallel Sessions
	Refreshment Break	10:00-10:30	10:00-10:30	10:00-10:30
<b>Registration Open 12:00 - 20:00</b>	<b>Morning B</b>	MB 10:30-12:00 Parallel Sessions	TB 10:30-12:00 Parallel Sessions	WB 10:30-12:00 Parallel Sessions
	Lunch 12:00 - 14:15		12:00-12:30	12:00-12:30
<b>Midday C</b>		MC 12:30-14:00 Parallel Sessions	TC 12:30-14:00 Parallel Sessions	WC 12:30-14:00 Parallel Sessions
<b>Exhibition Open 12:00 - 20:00</b>		14:00-14:30	14:00-14:30	14:00-14:30
	<b>Afternoon D</b>	MD 14:30-16:00 Parallel Sessions	TD 14:30-16:00 Parallel Sessions	WD 14:30-15:30 <b>Plenary</b>
	Refreshment Break	16:00-16:30	-	15:30-16:00
SE 16:30-18:00 <b>Opening Session</b>	<b>Afternoon E</b>	ME 16:30-17:30 <b>Plenary</b>	TE 17:30-18:30 <b>Plenary</b>	WE 16:00-17:45 <b>Closing Session</b>
Welcome Reception	Evening	Snack & Beer Old Market Square	Conference Dinner	Farewell Party



# ► CONFERENCE SCHEDULE

## Program overview

	July 3	Monday, July 4, 2016					Tuesday, July 5, 2016					Wednesday, July 6, 2016				
	16:30-18:00	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	16:30-17:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	17:30-18:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-15:30	16:00-17:45
Stream	SA	MA	MB	MC	MD	ME	TA	TB	TC	TD	TE	WA	WB	WC	WD	WE
Opening session	CW AUL															
Closing session																CW AUL
Plenary talk Robert Aumann											PIF EH					
Plenary talk Dimitris Bertsimas						CW AUL										
Plenary talk Rolf Möhring															CW AUL	
Keynote talk Marielle Christiansen		CW AUL														
Keynote talk Mauricio Resende			CW AUL													
Keynote talk Alexander Shapiro				CW AUL												
Keynote talk Hans Georg Bock					CW AUL											
Keynote talk - José Fernando Oliveira							CW AUL									
Keynote talk Gerrit Timmer								CW AUL								
Keynote talk Emma Hart									CW AUL							
Keynote talk Pablo Moscato										CW AUL						
Keynote talk Marc Pirlot											CW AUL					
Keynote talk Stephen J. Wright												CW AUL				
Keynote talk Giovanni Rinaldi													CW AUL			
EURO Awards		CW 123		CW 123	CW 123		CW 123	CW 123								
EURO Journals			CW 1													



# ► CONFERENCE SCHEDULE

	July 3	Monday, July 4, 2016						Tuesday, July 5, 2016					Wednesday, July 6, 2016				
	16:30-18:00	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	16:30-17:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	17:30-18:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-15:30	16:00-17:45	
Stream	SA	MA	MB	MC	MD	ME	TA	TB	TC	TD	TE	WA	WB	WC	WD	WE	
<b>Area: Analytics, Data Science and Data Mining</b>																	
Business Analytics and Intell. Optimizat.							BM 109D	BM 109D	BM 109D	BM 109D		BM 109D	BM 109D	BM 109D			
Computational Statistics		BM 113	BM 113	BM 113	BM 113		BM 113	BM 113	BM 113								
Data Science in Optimisation								BM 20									
Information and Intelligent Systems								BM 18	BM 18	BM 18		BM 18	BM 18				
<b>Area: Artificial Intelligence, Fuzzy Systems and Computing</b>																	
Computing												CW 023	CW 023	CW 023			
Fuzzy Optimization - Syst., Net. and Appl.		CW 127	CW 127														
Probabilistic Models												CW 127	CW 127				
<b>Area: Continuous Optimization</b>																	
Convex Optimization			PA B	PA B	PA B		PA B	PA B	PA B	PA B		PA B	PA B	PA B			
Convex Optimization														PA D			
Convex, Semi-Infin. and Semidef. Optim.			PA C	PA C													
Global Optimization					PA C		PA C										
Mathematical Programming		PA D	PA D	PA D	PA D												
Nonsmooth Optimization									PA D	PA D		PA D					
Vector and Set-Valued Optimization								PA C	PA C	PA C		PA C					
<b>Area: Control Theory and System Dynamics</b>																	
Dynamic Programming					BM 20		BM 20										
Dynamical Models in Sustainable Devel.		BM 109D	BM 109D	BM 109D	BM 109D												
Dynamical Syst. and Mat. Model. in OR		BM 20	BM 20	BM 20													
Optimal Control Applications													BM 110	BM 110			
Rec. Adv. in Dynam. of Variat. Inequal ...							BM 110	BM 110									
Syst. Dynam. Model. and Simulation		BM 110	BM 110	BM 110	BM 110												
<b>Area: Decision Analysis, Decision Support Systems, DEA and Performance Measurement</b>																	
DEA and Perf. Measurement									WE 18	WE 18		WE 18	WE 18	WE 18			
Decision Support Systems								WE 107	WE 107	WE 107							
OR in Clinical Decision Support													WE 209	WE 209			
Spatial Risk Analysis									CW 123								

# ► CONFERENCE SCHEDULE

	July 3	Monday, July 4, 2016						Tuesday, July 5, 2016					Wednesday, July 6, 2016				
	16:30-18:00	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	16:30-17:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	17:30-18:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-15:30	16:00-17:45	
Stream	SA	MA	MB	MC	MD	ME	TA	TB	TC	TD	TE	WA	WB	WC	WD	WE	
<b>Area: Discrete Optimization, Mixed Integer Linear and Nonlinear Programming</b>																	
Combinatorial Optimization 1		CW 027	CW 027	CW 027	CW 027		CW 027	CW 027	CW 027	CW 027		CW 027	CW 027	CW 027			
Combinatorial Optimization 2										CW 029		CW 029	CW 029	CW 029			
Discrete and Global Optimization				CW 127	CW 127		CW 127	CW 127	CW 127								
Discrete Optimization under Uncertainty		CW 128	CW 128	CW 128													
Mixed-Integer Linear and Nonlin. Program.			CW 125	CW 125	CW 125		CW 125	CW 125	CW 125								
<b>Area: Emerging Applications of OR</b>																	
Algorithms and Comp. Optimization												CW 7	CW 7	CW 7			
Custom. Based Serv. and Knowledge...												CW 9					
Emerging Appl. in Portfolio Selection...										CW 12		CW 12					
Env. Sustainability in Supply Chains										CW 6		CW 6	CW 6				
Op.Res. and Comb. Opt. in Web Engin.				CW 6	CW 6												
OR and the Arts		CW 12															
OR in Quality Management		CW 6															
OR Methods in Cons. Behav. Research													CW 12				
Recent Dev. on Opt. and Res. on GT							CW 6	CW 6	CW 6								
<b>Area: Energy, Environment, Natural Resources and Climate</b>																	
Biomass-Based Supply Chains		WE 107															
Energy/Environment and Climate									WE 116	WE 116		WE 116	WE 116	WE 116			
Long Term Planning in Ene., Env. and Cli.								WE 120	WE 120	WE 120		WE 120					
Optimization in Ren. Energy Systems					WE 18		WE 18	WE 18									
OR in Agriculture, Forestry and Fish.										WE 209		WE 209					
Stochastic Models in Ren. Gen. Electricity		WE 18	WE 18	WE 18													
<b>Area: Financial Modeling, Risk Management and Managerial Accounting</b>																	
Computational Methods in Finance												WE 108	WE 108	WE 108			
Dec. Mak. Modeling and Risk Ass. in Fin.					WE 116		WE 116	WE 116									
Financial and Comm. Modeling			WE 107	WE 107													
Financial Eng. and Optimization		WE 108	WE 108	WE 108	WE 108												
Financial Mathematics and OR		WE 209	WE 209	WE 209	WE 209		WE 209	WE 209	WE 209								
Long Term Financial Decisions				WE 116													
Numerical and Sim. Methods in Finance							WE 115										
Op. Res. in Financial and Man. Accounting												WE 120	WE 120				
Simulation in Man. Acc. and Man. Contr.			WE 116														

# ► CONFERENCE SCHEDULE

	July 3	Monday, July 4, 2016						Tuesday, July 5, 2016					Wednesday, July 6, 2016				
	16:30-18:00	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	16:30-17:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	16:00-17:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-15:30	16:00-17:45	
Stream	SA	MA	MB	MC	MD	ME	TA	TB	TC	TD	TE	WA	WB	WC	WD	WE	
<b>Area: Game Theory and Mathematical Economics</b>																	
Dynamic Models in Game Theory							WE 120										
Game Theory and Operations Manag.									WE 108	WE 108							
Game Theory, Solutions and Str.		WE 120	WE 120	WE 120	WE 120												
Math. Models in Macro- and Microec.							WE 108	WE 108									
Risk, Uncertainty, and Decision							CW 2						WE 107				
<b>Area: Graphs and Networks</b>																	
Graph Searching									CW 021	CW 021		CW 021					
Graphs and Networks		CW 028	CW 028	CW 028	CW 028		CW 028	CW 028									
Optimization of Gas Networks			CW 126				CW 126	CW 126	CW 126	CW 126							
Telecommunications and Network Optim.					CW 021		CW 021	CW 021									
<b>Area: Metaheuristics</b>																	
Metaheuristics							PA A	PA A	PA A			PA A	PA A				
<b>Area: Multiple Criteria Decision Making and Optimization</b>																	
Analytic Hierarchy Process / ANP							CW 1	CW 1	CW 1	CW 1		CW 1	CW 1	CW 1			
Evolutionary Multiobj. Optimization		CW 7	CW 7	CW 7													
Multiobjective Optimization		CW 8	CW 8	CW 8	CW 8		CW 8	CW 8	CW 8	CW 8		CW 8					
Multiple Criteria Decision Aiding 1		CW 2	CW 2	CW 2	CW 2			CW 2	CW 2	CW 2		CW 2	CW 2	CW 2			
Multiple Criteria Decision Aiding 2		CW 9	CW 9	CW 9	CW 9												
Multiple Criteria Decision Analysis		CW 13	CW 13	CW 13	CW 13												
Preference Learning							CW 13	CW 13	CW 13	CW 13		CW 13	CW 13				
Rough Sets in Decision								CW 7	CW 7	CW 7							
<b>Area: OR Education</b>																	
Initiatives for OR Education		PA A	PA A	PA A	PA A												
Teaching OR/MS									CW 9								
<b>Area: OR for Developing Countries and Humanitarian Applications</b>																	
Humanitarian Operations								BM 111	BM 111	BM 111			BM 111	BM 111			
Optimization for Sustainable Devel.		BM 109M	BM 109M														
OR for Development and Dev. Countries													BM 20	BM 20			
OR for Sustainable Development		BM 18															

# ► CONFERENCE SCHEDULE

	July 3	Monday, July 4, 2016						Tuesday, July 5, 2016					Wednesday, July 6, 2016				
	16:30-18:00	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	16:30-17:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	17:30-18:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-15:30	16:00-17:45	
Stream	SA	MA	MB	MC	MD	ME	TA	TB	TC	TD	TE	WA	WB	WC	WD	WE	
<b>Area: OR History and OR Ethics</b>																	
How OR found its way into Universities								CW 022	CW 022								
Memorial Session			CW 123														
OR and Ethics		CW 1		CW 1	CW 1												
<b>Area: OR in Health, Life Sciences and Sports</b>																	
Comp. Biol., Bioinf. and Medicine 1		BM 17	BM 17	BM 17	BM 17		BM 17	BM 17	BM 17	BM 17		BM 17	BM 17	BM 17			
Comp. Biol., Bioinf. and Medicine 2														BM 19			
Health Care Emergency Man.		BM 7	BM 7														
Health Care Management					BM 109M		BM 109M	BM 109M									
Methodology of Societal Complexity												CW 025	CW 025				
Op. Res. for Health and Social Care									BM 110	BM 110							
OR in Sports		BM 111	BM 111	BM 111	BM 111		BM 111										
Scheduling in Healthcare			BM 18	BM 18	BM 18		BM 18										
<b>Area: OR in Industry and Software for OR</b>																	
Engineering Optimization				CW 126	CW 126												
IBM Research Applications								CW 9	CW 9								
Mathematical Program. Software					CW 12		CW 12	CW 12	CW 12								
Operations/Marketing Interface														CW 13			
OR and Real Implementation												CW 9	CW 9				
OR Applications in Industry			CW 12	CW 12													
<b>Area: Practice of OR (Making an Impact) (see also <a href="http://www.euro2016.poznan.pl/making-an-impact/">www.euro2016.poznan.pl/making-an-impact/</a> for additional activities)</b>																	
Case Studies in OR									BM 20	BM 20		BM 20					
Defence and Security		BM 119	BM 119	BM 119	BM 119												
Workshops and roundtable		CW 122				CW 122	CW 9		CW 122	CW 123			CW 122	CW 122			
Mentoring					CW 024		CW 9		CW 024				CW 024				
<b>Area: Production Management and Supply Chain Management</b>																	
Cutting and Packing									CW 022			CW 022	CW 022	CW 022			
Demand and Supply Man. in Retail ...							CW 0210	CW 0210	CW 0210	CW 0210		CW 0210	CW 0210				
Lot Sizing, Lot Sch. and Prod. Planning		CW 021	CW 021	CW 021													
Production and Oper. Management		CW 023	CW 023	CW 023	CW 023		CW 023	CW 023	CW 023	CW 023							
Supply Chain Management												CW 126	CW 126	CW 126			
Sustainable Supply Chains		CW 029	CW 029														

# ► CONFERENCE SCHEDULE

	July 3	Monday, July 4, 2016						Tuesday, July 5, 2016					Wednesday, July 6, 2016				
	16:30-18:00	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	16:30-17:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-16:00	17:30-18:30	8:30-10:00	10:30-12:00	12:30-14:00	14:30-15:30	16:00-17:45	
Stream	SA	MA	MB	MC	MD	ME	TA	TB	TC	TD	TE	WA	WB	WC	WD	WE	
<b>Area: Revenue Management</b>																	
Advances in Revenue Managem.					WE 107		WE 107										
<b>Area: Routing, Location, Logistics and Transportation</b>																	
Green Logistics									CW 028	CW 028		CW 028	CW 028	CW 028			
Healthcare Logistics					CW 128		CW 128	CW 128	CW 128	CW 128		CW 128	CW 128	CW 128			
Location		CW 022	CW 022	CW 022	CW 022		CW 022										
Maritime Transportation										CW 125		CW 125	CW 125	CW 125			
Public Transportation		CW 025	CW 025	CW 025	CW 025		CW 025	CW 025	CW 025	CW 025		CW 025					
Transportation		CW 0210	CW 0210	CW 0210													
Transportation and Logistics													CW 021	CW 021			
Vehicle Routing and Logistics Optim. 1		CW 3	CW 3	CW 3	CW 3		CW 3	CW 3	CW 3	CW 3		CW 3	CW 3	CW 3			
Vehicle Routing and Logistics Optim. 2				CW 029	CW 029		CW 029	CW 029	CW 029								
<b>Area: Scheduling, Timetabling and Project Management</b>																	
Project Management and Scheduling							BM 119	BM 119	BM 119	BM 119		BM 119	BM 119	BM 119			
Scheduling Theory and Applications												BM 116	BM 116	BM 116			
Scheduling with Resource Constr.										BM 109M		BM 109M	BM 109M	BM 109M			
Scheduling, Sequen., and Applications										BM 113		BM 113	BM 113	BM 113			
Supply Chain Sched. and Logistics		BM 116	BM 116	BM 116	BM 116		BM 116	BM 116	BM 116	BM 116							
Timetabling												BM 7	BM 7	BM 7			
<b>Area: Simulation, Stochastic and Robust Optimization</b>																	
Robust Optimization									WE 115	WE 115		WE 115	WE 115	WE 115			
Stoch. Modeling and Simulation in Eng...		WE 115	WE 115	WE 115	WE 115		WE 115										
<b>Area: Soft OR, Problem Structuring Methods and Behavioural OR</b>																	
Behavioural Oper. Research		BM 19	BM 19	BM 19	BM 19		BM 19	BM 19	BM 19	BM 19		BM 19	BM 19				
Soft OR and Problem Structuring Methods								BM 7	BM 7	BM 7							

# ▶ INVITED SPEAKERS

## Invited Speakers Schedule (Building CW, Aula)

	Sunday, July 3	Monday, July 4	Tuesday, July 5	Wednesday, July 6
Morning A		MA 08:30-10:00 <b>Marielle Christiansen</b>	TA 08:30-10:00 <b>José Fernando Oliveira</b>	WA 08:30-10:00 <b>Marc Pirlot</b>
Morning B		MB 10:30-12:00 <b>Mauricio Resende</b>	MB 10:30-12:00 <b>Gerrit Timmer</b>	WB 10:30-12:00 <b>Stephen J. Wright</b>
Midday C		MC 12:30-14:00 <b>Alexander Shapiro</b>	TB 12:30-14:00 <b>Emma Hart</b>	WB 12:30-14:00 <b>Giovanni Rinaldi</b>
Afternoon D		MD 14:30-16:00 <b>Hans Georg Bock</b>	TD 14:30-16:00 <b>Pablo Moscato</b>	WD 14:30-15:30 plenary <b>Rolf Möhring</b>
Afternoon E	SE 16:30-18:00 <b>Opening Session</b>	ME 16:30-17:30 plenary <b>Dimitris Bertsimas</b>	TE 17:30-18:30, plenary <b>Robert Aumann</b> Poznań International Fair Earth Hall (Sala Ziemi)	WE 16:00-17:45 <b>Closing Session</b>

## Plenary Speakers

Name	Title
<b>Dimitris Bertsimas</b>	Machine Learning and Statistics via a modern optimization lens
<b>Robert Aumann</b>	Why Optimize? An Evolutionary Perspective
<b>Rolf Möhring</b>	Optimizing the Kiel Canal - Integrating Dynamic Network Flows and Scheduling



## Keynote Speakers

Name	Title
<b>Marielle Christiansen</b>	Optimization of Maritime Transportation
<b>José Fernando Oliveira</b>	Waste minimization: the contribution of Cutting and Packing problems for a more competitive and environmentally friendly industry
<b>Marc Pirlot</b>	Preference elicitation and learning in a Multiple Criteria Decision Analysis perspective: specificities and fertilization through interdisciplinary dialogue
<b>Mauricio Resende</b>	Logistics Optimization at Amazon: Big data & operational research in action
<b>Gerrit Timmer</b>	Making an impact with OR; lessons learned from 35 years of experience in applying OR
<b>Stephen J. Wright</b>	Optimization in Data Analysis
<b>Alexander Shapiro</b>	Risk averse and distributionally robust multistage stochastic optimization
<b>Emma Hart</b>	Lifelong learning in optimization
<b>Giovanni Rinaldi</b>	Maximum weight cuts in graphs and extensions
<b>Hans Georg Bock</b>	Mixed-Integer Optimal Control – Theory, Numerical Solution and Nonlinear Model Predictive Control
<b>Pablo Moscato</b>	Information-based Medicine and Combinatorial Optimization: Opportunities and Challenges

All plenary sessions, including Opening and Closing session, Keynote presentations and special session were transmitted online and recorded by the Colleagues from Poznan Supercomputing and Networking Center. The recordings were delivered to EURO Secretariat and will constitute the core of the EURO collection.



# ▶ MAKING AN IMPACT

Making an Impact was an initiative introduced at the EURO-2015 Conference in Glasgow. The PC decided to continue promoting practical aspects of OR via selected practically oriented sessions and other events like round table discussion, poster session and mentoring sessions.

A very successful event relating to this activity was an excursion organized to visit Amazon Fulfillment Center that took place on Monday afternoon. More than three hundred conference participants joined the excursion. Bus transportation to Sady (small village near Poznan) and guided tours around the facilities were offered by one of the conference gold sponsors - Amazon.

MAI had a special stand in the exhibition area.

Full schedule of MAI events is presented later.





## Practitioner activities at Euro2016

		Making an impact and other case study/practice-based details at <a href="http://www.euro2016.poznan.pl/making-an-impact/">http://www.euro2016.poznan.pl/making-an-impact/</a>				And throughout, streams of specialist interest
		Workshops	Academic/practitioner collaboration	Mentoring	Keynote presentations	Case-study streams
MA	European Practitioner Network Launch MA-56					
MB	Mauricio Resende: Logistics Optimization at Amazon: Big Data and OR in Action MB-01					
MC	European Excellence in Practice Awards MC-07					
MD	European Excellence in Practice Awards MD-07	Turning research into collaborative cloud applications MD-56	One-to-one mentoring, sign-up at: <a href="http://www.euro2016.poznan.pl/mentoring/">http://www.euro2016.poznan.pl/mentoring/</a> MD-58			
ME	17.30	Plenary: Machine Learning and Statistics via a modern optimization lens Visit to Amazon Fulfillment Centre: places limited, sign up on the conference website				
TA	Academic-Practitioner Bazaar (poster session) TA-55	Spatial Multi-Criteria Evolution decision support system TA-8				
TB	Gerrit Timmer: Making an Impact with OR TB-01					
TC	Guest-OR: Linking Lean business and OR TC-38	Large-scale simulation modelling in the cloud TC-56	One-to-one mentoring, sign-up at: <a href="http://www.euro2016.poznan.pl/mentoring/">http://www.euro2016.poznan.pl/mentoring/</a> TC-58			
TD	Round table: Gerrit Timmer, Mike Trick, David Laine, Hans-Georg Book TD-37	Case studies in OR: Challenges in Industry TD-27				
TE		Plenary: Why optimize? An evolutionary perspective				
WA	EY: Robotic process automation - threat or opportunity WA-07	Case studies in OR: People and Nature WA-27				
WB		Doing Theory and Practice: Own reflection WB-56	One-to-one mentoring, sign-up at: <a href="http://www.euro2016.poznan.pl/mentoring/">http://www.euro2016.poznan.pl/mentoring/</a> WB-58			
WC		Volunteering and OR: WC-56				
WD		Plenary: Optimizing the Kiel Canal - Integrating Dynamic Network Flows and Scheduling				
WE		Plenary: Closing Session				

### Application areas

Agriculture, forestry, fisheries  
Banking, finance, accounting  
Climate change, environment  
Defence and security  
Gas, electricity, renewable  
Healthcare  
Humanitarian applications  
Logistics and green logistics  
New application areas  
Quality management  
Revenue management  
Sports  
Supply chain management  
Sustainable developments  
Telecommunications  
Transportation  
Web engineering

### Technical areas

Analytics, big data, machine learning  
Behavioural OR  
Game theory  
Multi-criteria decision making  
Optimisation of all types scheduling  
Soft OR and problem-structuring  
System dynamics  
Vehicle Routing and Logistics

## Exhibition Area

Publishers and Operational Research related software companies were exhibiting in the exhibition area situated within the ground floor of Building CW, which was the central venue of the EURO 2016 conference. The area was open throughout the duration of conference

### ▶ Opening times of exhibition area:

▶ Sunday, July 3, 2016: 12:00 - 20:00

▶ Tuesday, July 5, 2016: 08:00 - 16:30

▶ Monday, July 4, 2016: 08:00 - 18:00

▶ Wednesday, July 6, 2016: 08:00 - 18:00

## Exhibition Plan



■ INFORMATION

■ INVOICE POINT

■ REGISTRATION

■ TOILET

1 QUEBEC

7 WILEY

2 AMAZON

8 RESEARCH IN GERMANY

3 SPRINGER NATURE

9 TAYLOR&FRANCIS

4 PALGRAVE MACMILLAN

10 FICO

5 FCDS

11 ELSEVIER

6 AMPL

12 PCSS

13 E&Y

## Exhibition Plan



**Wiley**

website: [eu.wiley.com](http://eu.wiley.com)

type: publisher

Wiley is the leading publisher in the fields of Business and Management, providing access to quality content written by the field's foremost thinkers.

Wiley takes the lead among publishers with our unparalleled experience in meeting the many and diverse needs across the entire global Business and Management community. Students, academics, teachers and professionals are all supported across the span of their careers, and across the diversity of sub disciplines in the field. We provide this support through a variety of media, including books, textbooks, course offerings, major reference works and our unrivalled journals program with 6.3 million downloads last year alone. Our broad portfolio encompasses strategy, leadership, entrepreneurship, supply chain management, organizational behavior, ethics, human resources, and more.

### Research in Germany



### Land of Ideas



**Research in Germany - Land of Ideas**

website: [www.research-in-germany.org/en](http://www.research-in-germany.org/en)

[www.daad.de/en/](http://www.daad.de/en/)

"Research in Germany" is an international research marketing campaign, funded by the German Federal Ministry of Education and Research (BMBF), which seeks to strengthen and expand R&D collaboration between Germany and international partners. The organisations involved in the campaign, e.g. the Alexander von Humboldt Foundation, the German Academic Exchange Service (DAAD), the German Research Foundation (DFG), the Fraunhofer-Gesellschaft and the BMBF International Bureau, organise joint communication activities and events which present German innovation and research in key international markets.

The DAAD is the world's largest funding organisation for the international exchange of students and researchers. It grants scholarships, creates structures that promote internationalisation of higher education and offers expertise for academic international exchange. The Warsaw DAAD office has been supporting the Polish-German academic cooperation since 1997.



**AMPL**

website: [ampl.com](http://ampl.com)

type: software

AMPL's modeling language and system give you an exceptionally powerful and natural tool for developing and deploying the complex optimization models that arise in diverse business applications. AMPL lets you formulate problems the way you think of them, while providing access to the advanced algorithmic alternatives that you need to find good solutions fast. It features an integrated scripting language for automating analyses and building iterative optimization schemes; access to spreadsheet and database files; and application programming interfaces for embedding within larger systems. AMPL works with more than 30 powerful optimization engines including all of the most widely used large-scale solvers.



## Poznań Supercomputing and Networking Center (PSNC)

*website:* pcss.pl    *type:* supercomputing and networking center

Poznań Supercomputing and Networking Center (PSNC/PCSS), affiliated to the Institute of Bioorganic Chemistry of the Polish Academy of Sciences, was founded in 1993 to build and develop computer infrastructure for science and education in Poznań and in Poland. This infrastructure includes metropolitan network POZMAN, High Performance Computing (HPC) Center, as well as the national broadband network PIONIER, providing the Internet and network services on international, domestic and local levels. With the development of the computer infrastructure, PSNC has been managing research and development within the field of new generation computer networks, high performance – parallel and distributed – computations and archive systems, cloud computing and grid technologies. PSNC is working also on the themes of green ICT, future Internet technologies & ideas, network safety, innovative applications, web portals, as well as creating, storing and managing digital content. Since PSNC is a public entity, within its sphere of interests is the development of solutions for e-government, education, medicine, new media & communications.



## Foundations of Computing and Decision Sciences (FCDS)

*website:* fcds.cs.put.poznan.pl

*type:* journal

*e-mail:* fcds@cs.put.poznan.pl

*editor-in-chief:* Jerzy Stefanowski

electronic edition available at De Gruyter Online: [www.degruyter.com/view/j/fcfs](http://www.degruyter.com/view/j/fcfs)

Foundations of Computing and Decision Sciences (until 1990 “Foundations of Control Engineering”) is a quarterly peer-reviewed international journal published by Poznań University of Technology since 1975. One of the specific features of the Journal is its focus on the links between Computing (understood in the sense defined in the report of the ACM Task Force on the Core of Computer Science chaired by Peter J. Denning: Computing as a Discipline, CACM, Vol. 32, No. 1, 1989) and broadly understood Decision Sciences.



## IFORS 2017 (Quebec, Canada)

*website:* ifors2017.ca

July 17 - 21, 2017

21st Conference of the International Federation of Operational Research Societies. Quebec City, the capital of the province of Quebec, Canada, is delighted to host the IFORS 2017 conference under the theme of “OR/Analytics for a better world”. The conference will be held between 17-21 July 2017.

Quebec City is a dynamic and modern French-speaking North American city with a unique “Old France” charm. The program committee chaired by M. Grazia Speranza is committed to preparing a high quality scientific program with diverse participants sharing their vision, knowledge and experience of operational research and analytics. The venue is the Quebec International Convention Center, conveniently located in the heart of Quebec City and one of Canada’s top convention destinations with renowned hospitality and exceptional service.

We thereby invite you to participate to IFORS 2017 and be part of the great IFORS community by organizing a session, giving a talk, or meeting new and old friends and colleagues!

# ▶ EXHIBITION



## LUNCHES

Lunch was distributed in the conference buildings:

▶ from Monday (July 4) to Wednesday (July 6), from 12:00 to 14:15

## LOCATION OF LUNCH HUBS

**Building CW, ground floor** - for conference participants in Building CW

**Building PA** (accessible from outside as well as from the basements of Buildings BM and WE) - for conference participants in Buildings BM, WE, and PA



## COFFEE BREAK

Coffee, tea, and cake will be distributed in the conference buildings:

▶ from Monday (July 4) to Wednesday (July 6), from 10:00 to 10:30

▶ on Monday (July 4), from 16:00 to 16:30, and on Wednesday (July 6), from 15:30 to 16:00

## LOCATION OF COFFEE BREAKS

**Main lunch hubs: Building CW, ground floor** (rooms 051 and 053) and **Building PA**

**Building CW, 1<sup>st</sup> floor**, next to room 123

**Building BM**, ground floor, opposite the main entrance (next to room 19), and 1<sup>st</sup> floor

**Building WE**, 1st floor, next to room 119

## Welcome Reception - Get Together Party

▶ **Sunday, July 3, 2016, 18:00 - late**  
After Opening Session

Around **Building CW** (Lecture Centre)  
**Address:** Piotrowo 2, 60-965 Poznań

Having collected your conference bag and attended the opening session, the participants could meet friends and colleagues at the Get Together Party at Poznan University of Technology tasting a typical Polish barbecue accompanied by lots of world-class Polish beer.



## Farewell Party

▶ **Wednesday, July 6, 2016, starting 18:00**  
After Closing Session

Around **Building CW** (Lecture Centre)  
**Address:** Piotrowo 2, 60-965 Poznań

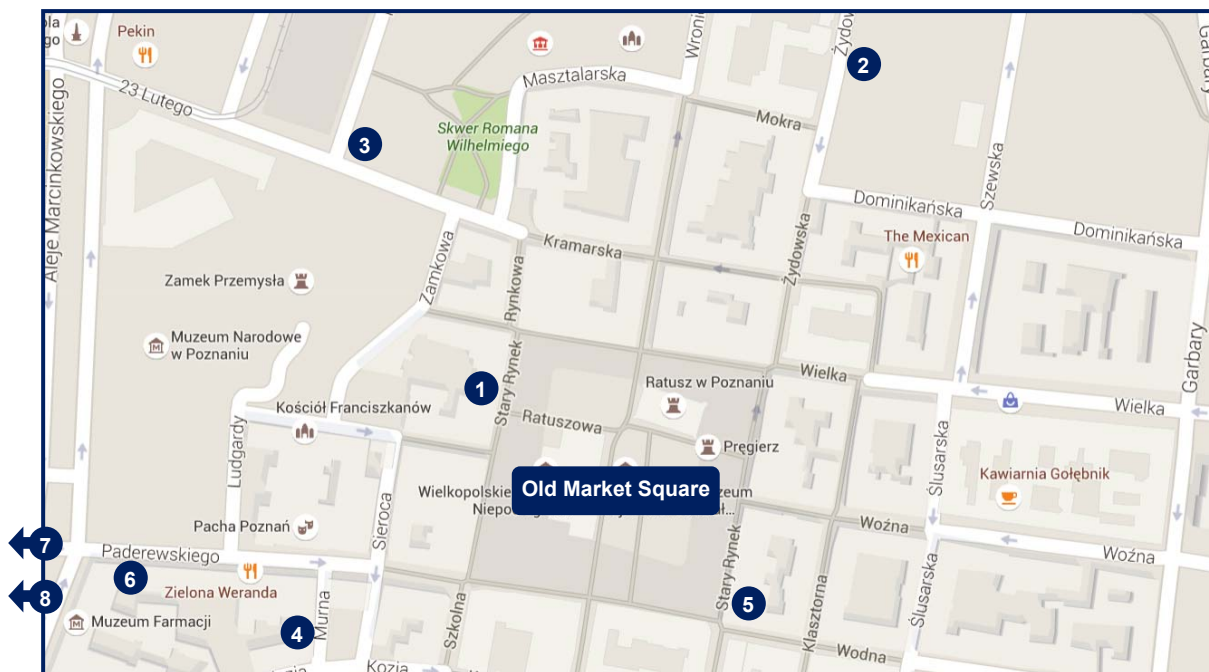
After the Closing Session until late in the evening we enjoyed a relaxing evening with Polish food and drinks.

## Snack & Beer at Old Market Square (Stary Rynek)

▶ Monday, July 4, 2016, evening

Restaurants in the proximity Old Market Square

There was a chance to spend a nice evening at the charming Old Market Square. A coupon for a snack & beer was valid at July 4, 2016 (Monday), in one of the eight restaurants in the close proximity of the Old Market Square. The coupon offered a beer and an indicated snack.



- |   |   |   |
|---|---|---|
| 1 | <b>Room:</b> Stary Rynek 80/82<br>( <a href="http://www.roompoznan.pl">www.roompoznan.pl</a> )  | Beer: Żywiec 0.3l.<br>Snack: tartar steak on toasts.  |
| 2 | <b>Cafe Bordo:</b> Żydowska 28<br>( <a href="http://www.facebook.com/CafeBordo">www.facebook.com/CafeBordo</a> )                          | Beer: Miłoślaw Pilsner, Fortuna Czarne, Książęce 0.5l.<br>Snack: gravlax (raw salmon, cured in salt, sugar, and dill)   |
| 3 | <b>Pekin:</b> 23 lutego 33<br><a href="http://www.pekin.pl">www.pekin.pl</a>  | Beer: Tyskie Gronie, Lech Pils 0.5l<br>Snack: spring rolls with meat filling (3 pieces)   |
| 4 | <b>Bistro La Cocotte:</b> Murna 3a<br><a href="http://www.facebook.com/lacocotte.poznan">www.facebook.com/lacocotte.poznan</a>            | Beer: lwowskie.<br>Snack: carrot chips and crispy gralic-basil bread with salsa.  |
| 5 | <b>Czerwona Papryka:</b> Stary Rynek 49<br><a href="http://www.czerwonapapryka.com.pl">www.czerwonapapryka.com.pl</a>                     | Beer: Tyskie 0.3l (or wine 125ml or juice 0.2l)<br>Snack: olives with anchovies or garlic; grilled plumbs with bacon; patatas bravas, mushrooms with garlic and parsley |
| 6 | <b>Bazar 1838:</b> Paderewskiego 8<br><a href="http://www.bazar1838.pl">www.bazar1838.pl</a>  | Beer: Żywiec 0.33l<br>Snack: focaccia with tomatoes and olive tapenade  |
| 7 | <b>Chłopskie Jadło:</b> Fredry 12<br><a href="http://www.chlopskiejadlo.pl/pl/poznan-fredry/">www.chlopskiejadlo.pl/pl/poznan-fredry/</a> | Beer: Tyskie Gronie 0.5l<br>Snack: appetizer (360g)   |
| 8 | <b>Sphinx:</b> Św. Marcin 66/72<br><a href="http://www.sphinx.pl/restauracja-70/">www.sphinx.pl/restauracja-70/</a>                       | Beer: Tyskie Gronie 0.5l<br>Snack: onion rings (200g)   |

## Old Market Square (Stary Rynek)

The square was originally laid out in around 1253. The chief building of the square is the Old Town Hall (Ratusz). Other central buildings include a row of colourful merchants' houses, the old town weighing house, and the guardhouse. Other features of the square are a punishment post (pręgierz) and beautiful fountains. On each side of the square you can see rows of former tenement houses, many of which are now used as restaurants, cafés and pubs.



# ► CONFERENCE DINNER

## Conference Dinner

► Tuesday, July 5, 2016, 19:00 - late

Poznań International Fair

Międzynarodowe Targi Poznańskie

**Address:** Głogowska 10, 60-101 Poznań

The EURO 2016 formal conference dinner took place on the evening of Tuesday 5 July. Guests enjoyed welcome drinks on arrival followed by a short musical performance and Polish-themed locally sourced three course meal with after dinner coffee.



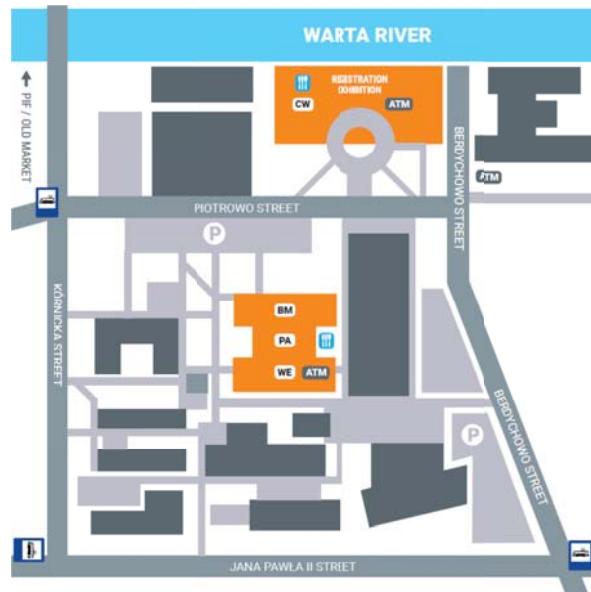
# ► VENUE AND MAPS

## Conference Venue

The conference was organized at **Poznan University of Technology, Warta (Piotrowo) Campus** which is beautifully located on the riverside, next to a recreational area of Malta lake, and within a close and easy reach of the city centre.

The main EURO 2016 conference venue was a modern **Lecture Centre** (Centrum Wykładowe; **CW**). It has been constructed in the last 10 years in such a way that from its three passages you can see the historical symbols of Poznań: City Hall, Cathedral, and Bernardine Church.

Another three modernist buildings from the 70s (**BM, PA, and WE**) are the symbols of the campus. These have been recently renovated, normally accommodating the Faculties of Mechanical and Electrical Engineering. BM and WE are the tall buildings (BM has a characteristic large timer on its top), whereas PA is a passage between BM and WE.



## Conference App

The Conference4me smartphone app provided participants with the most comfortable tool for planning your participation in EURO 2016. One could browse the complete programme directly from your phone or tablet and create your very own agenda on the fly. The app was available for Android, iOS, Windows Phone and Kindle Fire devices. To download mobile app one could visit

<http://conference4me.eu/download>

or type 'conference4me' in Google Play, iTunes App Store, Windows Phone Store or Amazon Appstore, or scan the below image with your mobile phone (QR-Code reader required). More information can be found here <http://conference4me.eu/download>



## My Program in the EURO online system

In addition to the conference app, the full programme and specific time slots in the schedule were browse-able online at:

<https://www.euro-online.org/conf/euro28/program>

On different places on the site, one had the possibility to add sessions to his/her own personalised programme. It was also accessible through the **My Program** link in the left menu.

## WiFi

WiFi access was available across the campus free of charge.

The following networks were available:

### ► eduroam

An international WiFi confederation - visiting from an institution that participates in the eduroam scheme, one could connect to the "eduroam" SSID to gain basic Internet connectivity.

### ► PUT-events-WiFi

To log in one used a unique user account and password provided with your badge.

# ▶ FINANCIAL STRUCTURE

INCOME				
Registration fees	Unit cost	Number	Gross amount	Net amount
Student early	200,00	501	100 200,00	93 056,60
Student late	300,00	50	15 000,00	14 270,70
Regular early	375,00	1072	402 000,00	375 354,40
Regular late	500,00	153	76 500,00	72 479,50
Accompanying person	130,00	49	6 370,00	5 932,42
<b>TOTAL</b>		1825	<b>600 070,00</b>	<b>561 093,62</b>
Social event fees				
Excursions	( <sup>1</sup> )	324	8 885,00	7 223,58
Conference dinner	70,00	474	33 180,00	26 975,34
<b>TOTAL</b>			<b>42 065,00</b>	<b>34 198,92</b>
Sponsors and Exhibitors				
Sponsors and exhibitors			55 605,00	49 195,00
<b>GRAND TOTAL</b>			<b>697 740,00</b>	<b>644 487,54</b>

EXPENDITURE		
<b>EURO system management</b>		<b>30 010.00</b>
<b>PROMOTIONS</b>		<b>72 776.16</b>
Printing	33 014.10	
Marketing	12 285.43	
Bags and inserts	27 476.63	
<b>ADMINISTRATION</b>		<b>55 873.67</b>
Administration, students	44 405.86	
Conference Committees	11 467.81	
<b>ROOMS &amp; FACILITIES</b>		<b>97 907.84</b>
<b>SOCIAL PROGRAM</b>		<b>125 984.54</b>
<b>OTHER COSTS</b>		<b>156 120.17</b>
Invited speakers	23 321.85	
Distribution EURO support	8 610.52	
Bank & Account cost	11 871.82	
Agency fee	103 899.77	
Other	8 416.20	
<b>TOTAL EXPENCES</b>		<b>538 672,40</b>
<b>NET PROFIT</b>		<b>135 825.85</b>

<sup>1</sup> Prices were different for different excursions