

XIVTH CONFERENCE
BOS 2016
OPERATIONAL AND SYSTEMS RESEARCH

Program of the Conference

Thursday, October 13th, 2016
Palais Staszic

Mirror Room (Sala Lustrzana)

12:00-12:15 **Opening Session**

12:15-13:00 **Plenary Lecture 1:**

Guy De Tré (Ghent, Belgium): “Indexing imperfect data”;

Chair: Sławomir Zadrozny

13:00-13:15 Coffee, Tea and Sandwich break

13:15-14:45 **Plenary Session:**

20th Anniversary of the Polish Chapter of INFORMS

- Introduction and Addresses
- Dr Konrad Michalski, Warsaw School of Economics:
“Optimising operations at Poczta Polska SA”

14:45-15:00 Coffee & Tea break

15:00-17:00 Parallel technical sessions

Mirror Room (Sala Lustrzana)

Multicriteria decision analysis and support. *Chair: Lech Kruś*

- Tadeusz Trzaskalik and Maciej Nowak:
“Interactive methods in multiobjective dynamic programming”
- Ignacy Kaliszewski, Janusz Miroforidis and Dimitry Podkopaev:
„Multiple Criteria Decision Making and Multiobjective
Optimization – A Toolbox”
- Jarosław Becker, Aneta Becker and Ryszard Budziński:
“Multi-methodological and multi-criteria decision analysis of
objects in the computerized decision support system”
- Andrzej Łodziński:
“Decision support under risk through multicriteria optimization”

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Skłodowska-Curie room (Sala Marii Skłodowskiej Curie)

Planning, scheduling and resource management. *Chair: Krzysztof Szkatuła*

- W. Ogryczak, T. Śliwiński, J. Hurkała, M. Kaleta, P. Pałka, B. Kozłowski:
“Large-scale periodic routing problem for supporting planning of mobile personnel tasks”
- David Chen, Rowan Wang, Zhenzhen Yan, Saif Benjaafar and Oualid Jouini:
“Appointment systems under service level constraints”
- Maciej Michalik and Tadeusz Witkowski:
“An imperialist competitive algorithm for the job-shop scheduling problem”
- Piotr Modliński and Tadeusz Witkowski:
“Solving flexible job-shop problem by greedy-brutal algorithm”
- Dariusz Banaś, Jerzy Michnik and Krzysztof S. Targiel:
“System modelling and control of organization business processes characteristics for decision making support”

17:00-17:15 Coffee & Tea break

Mirror Room (Sala Lustrzana)

17:15-18:00 Plenary Lecture 2: Andrzej Piotr Wierzbicki:

“Positive feedback and catastrophic forecasts”.

Chair: Jan W. Owsiniński

18:00-18:45 Plenary Lecture 3: Helena Lindskog:

“Time, money & attitudes towards globalization - results of comparative study in Sweden and Poland”.

Chair: Janusz Kacprzyk

19:00-21:00 Welcome reception (upper floor of Palais Staszic)

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Friday, October 14th, 2016
Building of the Systems Research Institute

9:00-9:45

Room 200

Plenary Lecture 3: Tadeusz Baczko:

“The Microeconomic Foundations of Innovation Policy”.

Chair: Andrzej Kałuszko

9:45-10:00 *Coffee & Tea break*

10:00-12:30 *Parallel technical sessions*

Room 113

Analysing and modelling social and economic phenomena. *Chair: Jan Gadomski*

- Lech Kruś and Irena Woroniecka-Leciejewicz: “Analysis of strategies in a monetary-fiscal game. The case of Poland”
- Marek Antosiewicz: “Heterogeneous DSGE model with search-and-matching frictions”
- Andrzej Jarynowski and Andrzej Buda: “Diffusion paths between product life-cycles in European phonographic market”
- Przemysław Dominiak, Jacek Mercik and Agata Szymańska: “On intellectual capital flows modelling”
- Rafał Bieńkowski, Krzysztof Leśniewski and Weronika Radziszewska: “Spatial data analysis in archaeology: computer-aided selection of priority location for archaeological survey”

Room 116

Networks, infrastructure, energy. *Chair: Jan Studziński*

- Jolanta Jarnicka and Zbigniew Nahorski: “Estimation of means in a bivariate discrete-time process”
- Grzegorz Zalewski and Włodzimierz Ogryczak: “Network dimensioning with minimum unfairness cost for efficiency”
- Weronika Radziszewska, Zbigniew Nahorski and Jörg Verstraete: “Microgrids and energy management systems in the Smart City context”
- Piotr Sapięcha, Jan W. Owsinski, Krzysztof Sęp et al.: “The mobile client-server application using the routing algorithms for the shortest commutation time in public transport”

12:30-13:00 Lunch (cafeteria downstairs)

Papers presented in the joint sessions with IWIFSGN workshop:

- Jan W. Owsinski, Jarosław Stańczyk, Aleksy Barski and Krzysztof Sęp: “The Main Quickest Centre Access Hubs in a Big City. The Evolutionary Approach” (session B, 13:05-13:25)
- Leszek Klukowski: “Determining the estimate of the equivalence relation for moderate and large size sets” (session E, 17:00-17:20)
- Hanna Borzęcka: „Linguistic summaries in fuzzy OLAP Cubes” (session F, 16:40-17:40)