

# 6th International Conference on Decision Support for Telecommunications and Information Society

## Programme

### Day One (Wednesday July 18)

**9:00-9:20 Conference Registration**

*Opening Remarks* by Conference Chairman and by Director General of National Institute of Telecommunications, Andrzej P. Wierzbicki, Zbigniew Kądzielski

**9:20- 12:30 Session I. Modelling Fundamentals**

*Structured Modeling and Knowledge Engineering*, Marek Makowski

*Detection of abrupt changes in dynamical systems*, Janusz Granat

*Conditional Median as a Robust Solution Concept for Location Problems*,  
Włodzimierz Ogryczak

**12:30-14:00 Lunch**

**Session II. Game Theory and Applications**

*Agent-based Simulation Analysis for Equilibrium Selection and Coordination*

*Failure in Coordination Games Characterized by the Minimum*, Ichiro Nishizaki,  
Hideki Katagiri, Tomohiro Hayashida, and Noriyuki Hara

*Negotiations on Regulated Market*, Sylwester Laskowski

*Agent-based Simulation Analysis for the Ultimatum Bargaining Games*,  
Tomohiro Hayashida, Ichiro Nishizaki, and Hideki Katagiri

**16:00-16:30 Coffee break**

**16:30-18:00 Session III. Economics and Decisions**

*Economic Disparities among Regions in Japan, and Spread and Use of  
Information and Communication Equipment in the Countryside*, Hidetomo Oyaizu

*Assessing credibility of information submitted by users of an on-line in-car  
navigation system*, Marek Kubiak

*Application of Bioinformatics Methods to recognition of Network Threats*,  
Adam Kozakiewicz, Anna Felkner, Piotr Kijewski and Tomasz Jordan Kruk

**18:15-21.00 Gala Dinner**

### Day Two (Thursday July 19)

**9:00-12:10 Session IV. Routing and Traffic Control**

*Determining Hop-Constrained Spanning Trees with Repetitive Heuristics*,  
Manuela Fernandes, Luis Gouveia, Stefan Voß

*Routing and Wavelength Assignment Problem in WDM Networks: a Bicriteria  
Approach*, Teresa Gomes, João Clímaco, José Craveirinha and Carlos Simões

*Integrated Routing and Network Flow Control Embracing Two Layers of TCP/IP  
Networks*, Michał Wróblewski and Andrzej Karbowski

*Traffic Splitting in MPLS Networks - a Hierarchical Multicriteria Approach*,  
José Craveirinha, João Clímaco Marta Pascoal, and Lúcia Martins

**12:10-14:00 Lunch**

**14:00-16:00 Session V. Multicriteria Tools**

*The Role of the Weights in Reference Point Based Interactive Methods,*  
Francisco Ruiz, Mariano Luque, José Manuel Cabello

*A New Approach to Fuzzy MCDM for Solving Multistage Decision Problems,*  
Jaroslav Ramík

*REFBEANS: Reference Distribution Based Decision Support Platform,*  
Krzysztof Bareja and Włodzimierz Ogryczak

*A New Approach dedicated to the Bi-criterion Spanning Tree Problem,*  
João Clímaco and Carlos Gomes da Silva

**16:00-16:30 Coffee break**

**16:30-18:30 Session VI. Telecommunication Markets**

*Application of Open Multi-commodity Market Data Model on the Communication Bandwidth Market,* Przemysław Kacprzak, Mariusz Kaleta, Piotr Pałka, Kamil Smolira, Eugeniusz Toczyłowski, and Tomasz Traczyk

*Cross-selling Models for Telecommunication Service,* Szymon Jaroszewicz

*Supporting Telecommunication Product Sales by Conjoint Analysis,*  
Piotr Rzepakowski

*From Transocean Routes To Global Networks: A Theoretical Framework for Liner Shipping Companies to Build Service Networks*  
Xiaoning Shi and Stefan Voß

**Day Three (Friday July 20)**

**9:00-11:40 Session VII. Knowledge Engineering**

*Integration of Knowledge and Analytical Model Analysis in the field of Facility Location in Postal Logistics,* Hans-Jürgen Sebastian

*The Use of Mindmapping in Ontological Engineering,* Zbigniew Kaździelski

*Possibility for the Application of Publications Analysis to the Evaluation of Research Institutes,* Toshiya Kobayashi

*The Problem of Objective Ranking: Foundations, Approaches and Applications,*  
Andrzej P. Wierzbicki

**11:40-12:00 Closing address**

**12:00-13:00 Lunch**

**13:00-18:30 Bus to hotels or excursion to Żelazowa Wola (Chopin birthplace)**