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

(DSTIS 2007)

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6th International Conference on Decision Support for Telecommunications and Information Society (DSTIS)
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 3

Detection of Abrupt Changes in Dynamical Systems, Janusz Granat 4

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 5

Negotiations on Regulated Market, Sylwester Laskowski 6

Agent-based Simulation Analysis for the Ultimatum Bargaining Games, Tomohiro Hayashida, Ichiro Nishizaki, and Hideki Katagiri 7

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 8

Assessing Credibility of Information Submitted by Users of an On-line In-car Navigation System, Marek Kubiak 9

18:15-21.00 **Gala Dinner**

Day Two (Thursday July 19)

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

Determining Hop-Constrained Spanning Trees with Repetitive Heuristics, Manuela Fernandes, Luis Gouveia, and Stefan Voß *10*

Routing and Wavelength Assignment Problem in WDM Networks: a Bicriteria Approach, Teresa Gomes, João Clímaco, José Craveirinha, and Carlos Simões 11

Integrated Routing and Network Flow Control Embracing Two Layers of TCP/IP Networks, Michał Wróblewski and Andrzej Karbowski 12

Traffic Splitting in MPLS Networks - a Hierarchical Multicriteria Approach, José Craveirinha, João Clímaco, Marta Pascoal, and Lúcia Martins 13

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, and José Manuel Cabello 14

A New Approach to Fuzzy MCDM for Solving Multistage Decision Problems, Jaroslav Ramík 15

REFBEANS: Reference Distribution Based Decision Support Platform, Krzysztof Bareja and Włodzimierz Ogryczak *16*

A New Approach dedicated to the Bi-criterion Spanning Tree Problem, João Clímaco and Carlos Gomes da Silva *17*

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 *18*

Cross-selling Models for Telecommunication Service, Szymon Jaroszewicz *20*

Supporting Telecommunication Product Sales by Conjoint Analysis, Piotr Rzepakowski *21*

From Transocean Routes To Global Networks: A Theoretical Framework for Liner Shipping Companies to Build Service Networks Xiaoning Shi and Stefan Voß *22*

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 *23*

The Use of Mindmapping in Ontological Engineering, Zbigniew Kądzielski 24

Possibility for the Application of Publications Analysis to the Evaluation of Research Institutes, Toshiya Kobayashi *25*

The Problem of Objective Ranking: Foundations, Approaches and Applications, Andrzej P. Wierzbicki 26

11:40-12:00 Closing address

12:00-13:00 Lunch

13:00-18:30 Excursion to Żelazowa Wola (Chopin birthplace)