

DSTIS-2005



The Fifth International Conference on

Decision Support for Telecommunications

and Information Society

CONFERENCE PROGRAMME

Warsaw, Poland

1-3 September, 2005

Thursday – 1 September, 2005

- 8:30 – 9:00 Registration
- 9:00 – 9:10 Conference Opening
 Zbigniew Kądzielski
 Director, National Institute of Telecommunications
- 9:10 – 10:00 Andrzej P. Wierzbicki
 *The Role of Technology and Informational Technology on Knowledge
Civilization*
 Invited Lecture
- 10:00 – 10:30 *Coffee Break*

Session A: Routing Problems

Chairman: prof. Andrzej P. Wierzbicki

- 10:30 – 11:00 José Craveirinha, Rita Girão-Silva, João Clímaco
 A Meta-Model for Multiobjective Routing in MPLS
- 11:00 – 11:30 Andrzej Karbowski
 *Distributed, Asynchronous Algorithms for Network Control with
Contracted Flow Rates – A Review*
- 11:30 – 12:00 Teresa Gomes, José Craveirinha, Artur Violante
 *A new algorithm for calculating the most reliable pair of disjoint paths
in a network*

Special Session

- 12:00 – 12:15 Piotr Świniarski, SKG S.A.
ACL - a powerful tool for efficient analyses and manipulation on large data volumes
- 12:15 – 13:45 *Lunch*

Session B: Network Design

Chairman: prof. João Clímaco

- 13:45 – 14:30 Stefan Voß, Belén Melián, Holger Höller,
Designing WDM Networks by a Variable Neighborhood Search
Invited Lecture
- 14:30 – 15:00 Włodzimierz Ogryczak, Adam Wierzbicki, Marcin Milewski
A Multi-Criteria Approach to Fair and Efficient Bandwidth Allocation
- 15:00 – 15:30 Dritan Nace, Linh Nhat Doan
A polynomial approach to the max-min fair multi-commodity flow problem
- 15:30 – 16:00 *Coffee Break*
- 16:00 – 16:30 Stefan Voß, Monica Gentili, Raffaele Cerulli, Andreas Fink
Extensions of the Minimum Labelling Spanning Tree Problem

Session C: Data Mining

Chairman: prof. Hiroyuki Tamura

- 16:30 – 17:00 Timm Euler
Modelling Data Mining Processes on a Conceptual Level

17:00 – 17:30 Paweł Wyborski
Time dependencies discovering in sequential pattern mining

17:45 *Banquet*

Friday – 2 September, 2005

Session D: Decision Support

Chairman: prof. Stefan Voß

9:30 – 10:00 Hiroyuki Tamura, Hiroki Okanishi, Katsuhiro Akazawa
*Decision Support for Extracting and Dissolving Consumers’
Uneasiness over Foods Using Stochastic DEMATEL*

10:00 – 10:30 Marek Makowski
Structured approach to modeling complex problems

10:30 – 11:00 *Coffee Break*

11:00 – 11:30 Janusz Granat
A framework for event based modeling and analysis

Session E: Multicriteria Decision Analysis

Chairman: prof. Włodzimierz Ogryczak

11:30 – 12:00 Karim Sabri, Gerard Colson, Mapapa Mbangala
*A multiple criteria performance dynamic analysis of
telecommunications operators in the Maghreb countries*

12:00 – 12:30 Boris Staykov, V. Vasilev, K. Genova, M. Vassileva, F. Andonov
*MultiDecision-2.1: A Software System for Multicriteria Analysis and
Optimization*

12:30 – 14:00 *Lunch*

14:00 – 14:30 Sylwester Laskowski
Criteria of choosing strategy in games against nature

Session F: Modelling

Chairman: prof. José Craveirinha

14:30 – 15:00 David Coufal
Coherence of Radial Implicative Fuzzy Systems with Nominal Consequents

15:00 – 15:30 *Coffee Break*

15:30 – 16:00 Andrzej Sikora, Ewa Niewiadomska-Szynkiewicz
FR/ASimJava Simulator: A Federated Approach to Parallel Network Simulation in Practice

16:00 – 16:30 Piotr Górczyński
Model of an intelligent tutoring system using data mining methods to discover successful teaching strategies for SCORM-compatible courses

16:30 *Conference Closing*

Saturday – 3 September, 2005

Cultural Programme – guided tour to Gdynia-Sopot-Oliwa-Gdańsk