

**7th International Conference on  
Decision Support for  
Telecommunications and Information  
Society 2008**

**(DSTIS 2008)**

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# 7th International Conference on Decision Support for Telecommunications and Information Society

## Programme

### Day 1 (Wednesday September 3)

**13:00-14:00**    **Registration**

**14:00-14:10**    ***Opening of DSTIS***

### Session 1 Introduction

14:10-14:50    *Delays in Technology Development: Their Impact on the Issues of Determinism, Autonomy and Controllability of Technology*, Andrzej P. Wierzbicki ~~ÅÅ~~

14:50-15:30    *On Selection of Additional Experiments in Sequential Approximate Optimization*, Hirotaka Nakayama and Takuya Hirota ~~ÅÅ~~

15:30-16:10    *Reference Point Method with Importance Weighted Distribution of Partial Achievements*, Włodzimierz Ogryczak ~~ÅÅ~~

**16:10-16:30**    **Coffee Break**

### Session 2 Telecommunication and Decision Support

16:30-17:00    *A level-based approach to prioritize telecommunications R&D*, Joana Fialho, Pedro Godinho, João Paulo Costa, Ricardo Afonso, José Gonçalo Regalado ~~ÅÅ~~

17:00-17:30    *Fair trade cooperative consumer behavior in three sided market model*, Krzysztof Bareja ~~ÅÅ~~

17:30-18:00    *Reality Check of Wishful Thinking on Specification of Preferences in Multicriteria Analysis*, Marek Makowski ~~ÅÅ~~

**18:15-20:00**    **Banquet**

## Day 2 (Thursday September 4)

### Session 3 Network Topologies

- 9:00-9:40 *Hierarchical Multiobjective Routing in MPLS Networks with Two Service Classes – a meta-heuristic approach*, José Craveirinha, Rita Girão-Silva, João Clímaco <sup>AA</sup>
- 9:40-10:20 *Comparative study of wireless sensor networks energy-efficient topologies and power save protocols*, Ewa Niewiadomska-Szynkiewicz, Piotr Kwaśniewski, Izabela Windyga <sup>AAF</sup>
- 10:20-11:00 *Model for Balancing Aggregated Communication Bandwidth Resources*, Piotr Pałka, Kamil Kołtyś, Eugeniusz Toczyłowski, Izabela Żółtowska <sup>AFG</sup>
- 11:00-11:40 *Multi-objective localization in wireless sensor networks*, Michał Marks, Ewa Niewiadomska-Szynkiewicz <sup>AH</sup>

### 11:40-13:00 Lunch Break

### Session 4 Ontology and Knowledge Engineering

- 13:00-13:30 *Ontology Creation Process in Knowledge Management Support System for a Research Institute*, Cezary Chudzian <sup>AI</sup>
- 13:30-14:00 *Towards a Unified Architecture of Knowledge Management System for a Research Institute*, Jarosław Sobieszek <sup>AI</sup>
- 14:00-14:30 *Mining textual information with contextual maps*, Mieczysław A. Kłopotek, Krzysztof Ciesielski, Dariusz Czernski, Sławomir T. Wierzchoń and Michał Dramiński <sup>AI</sup>
- 14:30-15:00 *Long term data quality aspects in building and maintenance of Data Warehouses*, Mariusz Pajer <sup>AG</sup>

### 15:00-15:30 Coffee Break

### Session 5 Telecommunication, Economics and Information Society

- 15:30-16:10 *Assessment of Environmental-Economic Policies for Preserving Global Environment Based on Prospect Theory under Uncertainty*, Hiroyuki Tamura and Ryo Teraoka <sup>AG</sup>
- 16:10-16:40 *Security in telecommunications*, Jan Grzegorek <sup>AGG</sup>
- 16:40-17:10 *Aspects of distant and electronic learning decisive for its efficiency in the information*, Renata Kuźmiuk <sup>AH</sup>
- 17:10-17:40 *Some sports and recreation aspects in the information society*, Wojciech Rzućek <sup>AG</sup>

## **Day 3 (Friday September 5)**

### **Session 6 Diverse Aspects of Telecommunications**

9:00-9:40 *Multi-commodity auction model for indivisible network resource allocation.* Kamil Kołtyś, Piotr Pałka, Eugeniusz Toczyłowski, Izabela Żółtowska ~~AG~~

9:40-10:20 *Optimization solvers in decision support,* Paweł Białoń ~~AG~~

10:20-11:00 *Uniform exploitation of smart dust motes for communication,* Mieczysław A. Kłopotek ~~AG~~

11:00-11:40 *Methods of choosing strategy in two person cooperative and competitive market game with unknown aim of the other player,* Sylwester Laskowski ~~AG~~

**11:40-13:00 Lunch Break**

### **Session 7 Diverse Impacts of Information Society**

13:00-13:30 *Social expectations of access to internet and other mass means of communication in information society,* Jerzy Pietrasz ~~AG~~

13:30-14:00 *Knowledge engineering, creation and management versus internal control system according to Sarbanes-Oxley Act,* Beata Ziewiec ~~AG~~

14:00-14:30 *Abuse of the Internet,* Monika Łazowska ~~AG~~

14:30-15:00 *Quality management methods for data warehouses,* Mariusz Pajer ~~AG~~

**15:00-15:30 Coffee Break**

15:30-16:30 ***Conference Closing and Summary Discussion***