

# 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, Chairman: Janusz Granat**

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

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

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

**16:10-16:30**     **Coffee Break**

#### **Session 2 Telecommunication and Decision Support, Chairman: Włodzimierz Ogryczak**

16:30-17:15     *A level-based approach to prioritize telecommunications R&D*, Joana Fialho, Pedro Godinho, João Paulo Costa, Ricardo Afonso, José Gonçalo Regalado

17:15-17:45     *Reality Check of Wishful Thinking on Specification of Preferences in Multicriteria Analysis*, Marek Makowski

**18:00-20:00**     **Banquet**

## **Day 2 (Thursday September 4)**

### **Session 3 Network Topologies, Chairman: Marek Makowski**

- 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
- 9:40-10:20    *Comparative study of wireless sensor networks energy-efficient topologies and power save protocols*, Ewa Niewiadomska-Szynkiewicz, Piotr Kwaśniewski, Izabela Windyga
- 10:20-11:00   *Model for Balancing Aggregated Communication Bandwidth Resources*, Piotr Pałka, Kamil Kołtyś, Eugeniusz Toczyłowski, Izabela Żółtowska
- 11:00-11:40   *Multi-objective localization in wireless sensor networks*, Michał Marks, Ewa Niewiadomska-Szynkiewicz

### **11:40-13:00    Lunch Break**

### **Session 4 Ontology and Knowledge Engineering, Chairman: João Clímaco**

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

### **15:00-15:30    Coffee Break**

### **Session 5 Telecommunication, Economics and Information Society, Chairman: Hirotaka Nakayama**

- 15:30-16:10   *Assessment of Environmental-Economic Policies for Preserving Global Environment Based on Prospect Theory under Uncertainty*, Hiroyuki Tamura and Ryo Teraoka
- 16:10-16:40   *Impact of personal computers and Intranet access on economic developments in Poland*, Jan Grzegorek

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

#### **Session 6 Diverse Aspects of Telecommunications, Chairman: José Craveirinha**

- 9:00-9:40      *Multi-commodity auction model for indivisible network resource allocation.* Kamil Kołtyś, Piotr Pałka, Eugeniusz Toczyłowski, Izabela Żółtowska
- 9:40-10:20     *Optimization solvers in decision support,* Paweł Białoń
- 10:20-11:00    *Uniform exploitation of smart dust motes for communication,* Mieczysław A. Kłopotek
- 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

#### **11:40-13:00    Lunch Break**

#### **Session 7 Diverse Impacts of Information Society, Chairman: Andrzej P. Wierzbicki**

- 13:00-13:30    *Social expectations of access to internet and other mass means of communication in information society,* Jerzy Pietrasz
- 13:30-14:00    *Knowledge engineering, creation and management versus internal control system according to Sarbanes-Oxley Act,* Beata Ziewiec
- 14:00-14:30    *Quality management methods for data warehouses,* Mariusz Pajer
- 14:30-15:00    Coffee Break**
- 15:00-16:00    ***Conference Closing and Summary Discussion***