XVᵗʰ CONFERENCE BOS/SOR 2018

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WARSAW, PALAIS STASZIC, 24TH – 26TH SEPTEMBER 2018 (MONDAY-WEDNESDAY)

24 September 2018 - Monday

11:00 - 13:00 Plenary opening session
- Introduction to the Conference – representatives of the Polish Academy of Sciences and the Society
- **Plenary lecture 1: Hannu Nurmi (Finland):** *Worlds apart: Voting systems in theory and practice*
- **Plenary lecture 2: Cengiz Kahraman and Fatma Kutlu Gundogdu (Turkey):** *From 1D to 3D membership: spherical fuzzy sets*

14:00 - 16:00 Parallel sessions

I. Decision making
- Tadeusz Trzaskalik & Maciej Nowak: *Trade-off multiobjective dynamic programming procedure and its application to project portfolio selection*
- Leszek Klukowski: *Testing of estimates of the preference relation based on pairwise comparisons in the form of difference of ranks*
- Jacek Malinowski: *A fast universal algorithm for finding minimal cut-sets in networks with arbitrary structure*
- Lamiche Chaabane: *An Efficient Hybrid Approach Applied to Minimize the total weighted tardiness cost on single machine*

II. INFORMS Session: OR/MS analytics in practical environments
- Wit Jakuczyn: *Optimisation in practical applications*
- Artur Olczak: *On the methodology of 'Perspektywy' university ranking 2018*

16:15 - 17:30 Tadeusz Trzaskalik – *Polonaises by Michał Kleofas Ogiński Piano recital and promotion of the CD*

25 September 2018 - Tuesday

9:30 - 10:30 Plenary lecture 3: José Luis Garcia Lapresta (Spain): *Non-uniform qualitative scales: An ordinal approach*

11:00 - 13:00 Parallel sessions

III. Multicriteria decision making and optimization I
- Andrzej Łodziński: *Fair and efficient optimization in negotiation process*
- Krzysztof Targiel: *Modelling the Structures of Stakeholder Preferences with Modified DEMATEL Method*
- Jan W. Owsiński: *Bringing rankings together – some fundamental issues and proposed solutions*

IV. Economic and financial applications
- Lech Kruś & Irena Woroniecka-Leciejewicz: *Analysis of alternative policies mix for Poland using the noncooperative game model*
- Małgorzata Wrzosek: *The dynamics of the labor market with a variable structure of unemployment skills*
- Sławomir Jarek: *Application of regularization methods for the construction of the securities portfolio*

14:00 - 15:00 Plenary lecture 4: Andrzej Kraslawski (Finland/Poland): *Challenges in supply chain of critical materials*

15:00 - 15:45 The awards ceremony of the Society's competition for the best Polish book in systems and OR domains

16:15 - 18:00 Parallel sessions

V. Multicriteria decision making and optimization II
- Włodzimierz Ogryczak: *Mean-inequity ratio models for equitable multicriteria optimization*
- Ignacy Kaliszewski: *What rankings do not tell?*

VI. Energy, environment & decisions
- Jolanta Jarnicka & Zbigniew Nahorski: *Bivariate analysis of errors in national inventory reporting*
- Weronika Radziszewska & Jarosław Stańczak: *The modeling of dynamic market of energy with local energy clusters*
- Barbara Mażbic-Kulma et al.: *Properties of an α-clique approach to obtain the hub and spoke structure in optimization of a transportation system*

26 September 2018 - Wednesday

9:30 - 10:30 Plenary lecture 5: Alexander V. Yazenin (Russia): *Mathematical programming in conditions of hybrid uncertainty of possibilistic-probabilistic type*

11:00 - 13:00 Parallel sessions

VII. Communication, transport & decisions
- Jerzy Kolarzowski: *Using presupposition as a verbal means of influence in the communicative process*
- Barbara Mażbic-Kulma et al.: *Mathematical conditions for profitability of simple logistic system transformation to the hub & spoke structure*
- Artur Maździarz: *Temporal alarm patterns discovery in mobile telecommunication networks based on binary series model analysis*

VIII. General methodological aspects
- Discussion panel on new methodological paradigms and their validity – all participants invited

13:00 - 13:30 Closing Session

Serdecznie zapraszamy do udziału
w sesjach konferencji i w recitalu prof. Tadeusza Trzaskalika