The 16th International Symposium on Operational Research in Slovenia – SOR '21

September 22 – 24, 2021, Online

https://sor.fov.um.si/

SOR '21 programme

- Preliminary version 2021-09-13 -

Slovenian Society INFORMATIKA
Section for Operational Research
- organizer -

University of Maribor
Faculty of Organizational Sciences
- co-organizer -

University of Ljubljana
Faculty of Mechanical Engineering
- co-organizer -

Partnership for
Advance Computing in Europe
- sponsor –

Wednesday September 22, 2021	Thursday September 23, 2021	Friday September 24, 2021
9.00 – 9.45 Opening ceremony (Channel 1)	9.00 – 9.40 **Plenary lecture (Channel 1): (PL3) Jerneja Žganec Gros** Alpineon Ltd, Slovenia	9.00 – 9.55 **Plenary lecture (Channel 1): (PL5) Nikolina Ban (The PRACE plenary)** University of Innsbruck, Austria
9.50 – 10.30 **Plenary lecture (Channel 1): (PL1) Panos Patrinos** KU Leuven, Belgium	9.45 – 10.30 Parallel sessions (Channels 1, 2 and 3): **(SS5) HPC&BD + (SS4) GT&A + (SS7) IPiOR**	10.00 – 11.15 Parallel sessions (Channels 1, 2 and 3): **(SS3) DSM&CS + (SS9) L&S + (S6) MCDM**
10.30 – 10.45 Break	10.30 – 10.45 Break	11.15 – 11.30 Break
10.45 – 12.15 Parallel sessions (Channels 1, 2 and 3): **(S5) MP&O + + (SS1) AoORiSC + (SS6) I&S5.0**	10.45 – 12.15 Parallel sessions (Channels 1, 2 and 3): **(SS2) CMO + (SS8) COVID-19 + (S4) L&TG&tA**	11.30 – 12.45 Parallel sessions (Channels 1, 2 and 3): **(SS3) DSM&CS + (SS9) L&S + (S6) MCDM**
12.15 – 13.15 Break	12.15 – 13.15 Break	12.55 – 13.20 Closing ceremony (Channel 1)
13.15 – 13.55 **Plenary lecture (Channel 1): (PL2) Vedran Kojić** University of Zagreb, Croatia	13.15 – 15.00 Parallel sessions (Channels 1, 2 and 3): **(SS2) CMO + (SS8) COVID-19 + (S8) PAOR**	
14.00 – 15.15 Parallel sessions (Channels 1, 2 and 3): **(SS10) ORiAS&SI + (SS11) ORiAE&FM + (S7) ToG**	15.00 – 15.15 Break	
15.15 – 15.30 Break	15.15 – 15.55 **Plenary lecture (Channel 1): (PL4) Suresh P. Sethi** University of Texas, USA	
15.30 – 16.45 Parallel sessions (Channels 1, 2 and 3): **(S1) EM&S + (S3) F&I + (S2) E&SI**	16.00 – 16.15 Piano concert	

Plenary lectures: 30 minutes for presentation plus 10 minutes for discussion.
Contributed papers: 14 minutes all together for presentation and for discussion.

Wednesday
September 22, 2021

9.00 – 9.45 Opening ceremony (Channel 1)

9.50 – 10.30 **Plenary lecture** (Channel 1, Chair: Janez Žerovnik)
PL1 – **Panos Patrinos:** Algorithms for Large-Scale Structured Nonconvex Optimization

10.30 – 10.45 Break

10.45 – 12.15 Parallel sessions:

(S5) Chair: Tunjo Perić **Mathematical Programming and Optimization** (Channel 1)	**(SS1)** Chair: Maja Ćukušić and Mario Jadrić **Application of Operational Research in Smart Cities** (Channel 2)	**(SS6)** Chair: Drago Bokal and Andrej Košir **Industry & Society 5.0: Optimization in Industrial and Human Environments** (Channel 3)
S5.1 - Valentina Đurek, Nikola Kadoić and Dijana Oreški: Effective Decision Making in Local Government Using the Hybrid Approach Based on Multi-Criteria Decision-Making Methods and Machine Learning S5.2 - Milan Hladík: Six Ways how to Define Robust Pareto Optimality under Double Interval Uncertainty S5.3 - Tibor Illés: Sufficient Matrices and Linear Complementarity Problems S5.4 - Mira Krpan: Monopsony in Labor Market: Short-Run Profit Maximization Model from Duality Perspective S5.5 - Zrinka Lukač: Optimal Taxation of a Monopoly with Cobb-Douglas Production Function for Two Inputs as a Bilevel Programming Problem S5.6 - Tunjo Perić, Zoran Babić and Josip Matejaš: A New Methodology to Solve Decentralized Multi-Level Multi-Objective Linear Fractional Programming Problem	SS1.1 - Aleš Groznik, Eva Jelerčič, Sarina Kaloh, Maša Klun and Anton Manfreda: Examining the Gap Between Smart City Definitions and Smart City Indexes: A Call Towards Unified Index SS1.2 - Ivan Kekez and Daniela Garbin Praničević: Investigating Singular Value Decomposition as a Tool for Data Management in Tourism SS1.3 - Ivan Kekez, Mario Jadrić and Maja Ćukušić: Demonstration Potential of Simulation Modelling in the Urban Mobility Domain SS1.4 - Antonija Kvasina, Tea Mijač and Marko Hell: Developing System Dynamics Model for Waste Management in Tourism-Oriented Smart City SS1.5 - Tea Mijač, Ivana Ninčević Pašalić and Luka Tomat: Selection of IoT Platforms in Smart Cities: Multi-Criteria Decision Making SS1.6 - Polona Pavlovčič Prešeren: Group Method of Data Handling for Modeling GNSS Site-Specific Quality Parameters	SS6.1 - Drago Bokal, Markus Chimani and Alen Vegi Kalamar: On the Didactic Value of Crossing Critical Graphs SS6.2 - Tamara Ćurlin, Ivan Miloloža and Helena Nikolić: Increasing Efficiency of Health Care Management with the Online Scheduling for Medical Services: Impact of Age and Occupation SS6.3 - Aleksandar Dojčinović, Martin Prelog, Maj Lopatič and Uroš Rajković: Smart House for Older and People with Disabilities SS6.4 - Janja Jerebic, Špela Kajzer, Monika Vogrinec and Drago Bokal: Longitudinal Dynamics between Linearly Ordered Classes SS6.5 - Ana Sousa, Cristina Rodrigues, Senhorinha Teixeira and Dominique Besson: Influence of National Culture in Supply Chain Internal Integration SS6.6 - Tena Žužek, Janez Kušar and Tomaž Berlec: Guidelines for Agile Concurrent Product Development in SMEs

12.15 – 13.15 Break

13.15 – 13.55 **Plenary lecture** (Channel 1, Chair: Zrinka Lukać)
PL2 - **Vedran Kojić:** Application of Basic Mathematical Inequalities to Selected Problems in Economics

14.00 – 15.15 Parallel sessions:

(SS10) Chair: Marija Bogataj, David Bogataj and Samo Drobne **Operational Research in Ageing Studies and Social Innovations** (Channel 1)	**(SS11)** Chair: Črtomir Rozman and Karmen Pažek **Operations Research in Agricultural Economics and Farm Management** (Channel 2)	**(S7)** Chair: Helena Gaspars-Wieloch **Theory of Games** (Channel 3)
SS10.1 - David Bogataj and Valerija Rogelj: The Social Value of Specialised Housing for Older Adults	SS11.1 - Jure Brečko and Jaka Žgajnar: Farm Model and Risk Management Strategies on a Mixed Farm Type	S7.1 - Jan Bok: Cooperative Interval Games and Selections Revisited

Wednesday
September 22, 2021

SS10.2 - Samo Drobne and Marija Bogataj: Older Adults Perspectives in Optimisation of Migration Flow	SS11.2 - Ana Novak and Luka Juvančič: Multi-Criteria Evaluation of Alternative Scenarios for Closing Loops of Agricultural and Forestry Biomass	S7.2 - Helena Gaspars-Wieloch: From the Interactive Programming to a New Decision Rule for Uncertain One-Criterion Problems
SS10.3 - Lana Kordić and Josipa Višić: Efficiency of Croatian Nursing Homes - DEA Analysis	SS11.3 - Boris Prevolšek, Maja Žibert, Karmen Pažek, Aleksandar Maksimović, Adis Puška and Črtomir Rozman: Multi Criteria Assessment of Sustainable Development of Ethno-Villages in Bosnia and Herzegovina	S7.3 - Jakub Mróz and Tomasz Wachowicz: The Dyadic Analysis of the Impact of Conflict-Handling Style on Negotiation Outcomes in Software Supported Negotiations
SS10.4 - Marija Milavec Kapun, Vladislav Rajkovič, Olga Šušteršič, Rok Drnovšek and Uroš Rajkovič: Multi-Criteria Self-Care Decision Model of Patients with Chronic Diseases	SS11.4 - Janja Rudolf and Andrej Udovč: Testing MCDM Model for Evaluating the Potential of Coordinated Agri-Environmental Approaches Among Farmers on Two Case Studies from Netherland	
SS10.5 - Renata Možanić and David Bogataj: Forecasting the Homecare Utilization: Case for Varaždin County	SS11.5 - Maja Žibert, Boris Prevolšek, Andrej Škraba and Črtomir Rozman: Strategies for Structural Changes in Agricultural Holdings as a Farm Tourism Model Development	

15.15 – 15.30 Break

15.30 – 16.45 Parallel sessions:

(S1) Chair: Ksenija Dumičić **Econometric Models and Statistics** (Channel 1)	**(S3)** Chair: Snježana Pivac **Finance and Investments** (Channel 2)	**(S2)** Chair: Lidija Zadnik Stirn **Environment and Social Issues** (Channel 3)
S1.1 - Darja Boršič and Lea Žižek: Determinants of Economic Development: An Application of Limited Dependent Variable Models	S3.1 - Zdravka Aljinović, Branka Marasović and Tea Kalinić Milićević: An Evidence on Risk and Return of Cryptocurrencies	S2.1 - Artur M. C. Brito da Cruz, Helena Sofia Rodrigues and M. Teresa T. Monteiro: Household Costs for Personal Protective Measures for Dengue Disease
S1.2 - Michaela Chocholatá and Andrea Furková: Educational Inequalities Across the EU Regions: Mixed GWR Approach	S3.2 - Frane Banić and Irena Palić: The Assessment of Twin Divergence in Croatia: The Impact of Trade Deficit on the Budget Deficit	S2.2 - Marek Kvet and Jaroslav Janáček: Incrementing Heuristic for Non-Dominated Designs of Emergency Medical System
S1.3 - Ksenija Dumičić and Ivana Cunjak Mataković: Approaches to Data Transformations and their Impact on the Skewness Statistic for Seriously Skewed Distributions: Selected Ryptocurrencies' Data Explored	S3.3 - Boris Cota, Nataša Erjavec and Saša Jakšić: Income Inequality and Current Account Imbalances in New EU Members	S2.3 - Teodora Mishevska and Samo Drobne: Functional Areas in Higher Education: A Case Study for Slovenia
S1.4 - Elza Jurun, Nada Ratković and Lidija Bekavac: Strategy Europa 2020 and Economic Development from a National Point of View	S3.4 - Aleš Kresta and Garegin Minasjan: Analysts' Recommendations as the Predictions of Future Stock Returns at Prague Stock Exchange	S2.4 - Mario Pepur: Validation of the Fan Type Scale in Croatia
S1.5 - Kosovka Ognjenović: Gender Wage Inequality in the Labor Market of a Post-Socialist Economy	S3.5 - Blanka Škrabić Perić and Ana Rimac Smiljanić: Derivatives Markets Development and Country Political Risk	S2.5 - Lidija Zadnik Stirn and Gregor Dolinar: MCDM with Imprecise Information: Economic, Ecological, Social and Participatory Insights on Natural Resource Management Scenarios
S1.6 - Petar Sorić and Marija Logarušić: Tipping Points in the Croatian Political Sentiment: When, Why, and does the Economy have Anything to do with it?	S3.6 - Marija Vuković and Snježana Pivac: The Impact of Business Economics Students' Use of Heuristics on their Predispositions for Long-Term Investment Decisions	

9.00 – 9.40 **Plenary lecture** (Channel 1, Chair: Mirjana Kljajić Borštnar)
PL3 - **Jerneja Žganec Gros**: Speech Synthesis in Language Digitisation: The Slovenian Use Case

9.45 – 10.30 Parallel sessions:

(SS5) Chair: Janez Povh **High-Performance Computing and Big Data** (Channel 1)	**(SS4)** Chair: Sandi Klavžar **Graph Theory and Algorithms** (Channel 2)	**(SS7)** Chair: Anja Žnidaršič and Janja Jerebic **International Projects in Operations Research** (Channel 3)
SS5.1 - Tomaž Čegovnik, Andrej Dobrovoljc, Janez Povh and Matic Rogar: Electricity Consumption Prediction Using Artificial Intelligence SS5.2 - Timotej Hrga and Janez Povh: On Using Hypermetric Inequalities in a Cutting-Plane Algorithm for Max-Cut SS5.3 - Andrej Kastrin, Rok Hribar, Gregor Papa and Janez Povh: Bibliographic Data Clustering Based on Symmetric Non-Negative Matrix Tri-Factorization	SS4.1 - Peter Czimmermann and Michal Lichner: Critical Edges in Weighted Center Problems SS4.2 - Boštjan Gabrovšek, Aljoša Peperko and Janez Žerovnik: 2-Rainbow Independent Domination Numbers of Some Graphs	SS7.1 - Alenka Tratnik, Anja Žnidaršič, Janja Jerebic, Uroš Rajkovič, Alenka Baggia, Dragana Gak, Tatjana Grbić, Nataša Duraković and Slavica Medić: Predictors of Email Communication Skills among Slovenian and Serbian Students SS7.2 - Anja Žnidaršič, Borut Werber, Alenka Baggia, Maryna Vovk, Vanja Bevanda and Lukasz Zakonnik: The Intention to Use Microchip Implants: Model Extensions after the Pandemics

10.30 – 10.45 Break

10.45 – 12.15 Parallel sessions:

(SS2) Chair: Tibor Illés and Marianna Eisenberg-Nagy **Computational Mathematical Optimization** (Channel 1)	**(SS8)** Chair: Veljko Jeremić **Lessons Learned from the COVID-19 Pandemic: Applications of Statistical and OR Methods** (Channel 2)	**(S4)** Chair: Samo Drobne **Location and Transport, Graphs and their Applications** (Channel 3)
SS2.1 - Kolos Cs. Ágoston and Marianna E.-Nagy: Mixed Integer Linear Programming Formulation for K-means Cluster Problem SS2.2 - Kolos Csaba Ágoston and Márton Gyetvai: Comparison of an Iterative Heuristic and Joint Optimization in the Optimization of Bonus-Malus Systems SS2.3 - Márton Benedek, Péter Biró, Walter Kern and Daniel Paulusma: Computing International Kidney Exchange Schemes SS2.4 - Kristóf Druzsin, Péter Biró, Rita Fleiner and Xenia Klimentova: Simulations for Measuring Efficiency of International Kidney Exchange Programmes SS2.5 - Dávid Csercsik:Heuristics for Combinatorial Auction-Based Channel	SS8.1 - Matúš Bilka and Zdravka Aljinović: The Role of Cryptocurrencies in the Portfolio Optimization During the COVID-19 Pandemic SS8.2 - Alenka Brezavšček, Janja Jerebic, Gregor Rus and Anja Žnidaršič: In-Class and Online Teaching of Mathematics – A Comparison of Students' Outcomes at the Midterm Exams SS8.3 - L.N. Bulder and N.M. van Dijk: On the COVID effect for OT-ICU systems SS8.4 - Ivana Lazarevic, Milica Maricic and Marina Ignjatovic: Segmenting Centennials Based on their Consumer Behaviour During COVID-19 Pandemics: The Case of Confectionery Industry	S4.1 - Samo Drobne, Alberto Garre and Eloy Hontoria: Analysis of the Relationships between Slovenian Functional Regions Identified in the Network S4.2 - Szilvia Erdős and Bence Kővári: Algorithms Based on Analytic Learning Neural Networks for Final Exam Scheduling S4.3 - Elif Garajová and Miroslav Rada: Exact Method for the Worst Optimal Value of an Interval Transportation Problem S4.4 - László Hajdu and Miklós Krész: The Influence Monitoring Problem S4.5 - Tea Šestanović: Bitcoin Price Direction Forecasting Using Neural Networks

Thursday
September 23, 2021

Allocation Approaches in Multi-Connective Wireless Environments SS2.6 - Marianna E.-Nagy and Anita Varga: A Family of Long-Step Interior Point Algorithms for Linear Programming	SS8.5 - Jelena Minović: The Response of Market Volatility to the COVID-19 Pandemic	

12.15 – 13.15 Break

13.15 – 15.00 Parallel sessions:

(SS2) Chair: Tibor Illés and Marianna Eisenberg-Nagy **Computational Mathematical Optimization** (Channel 1)	(SS8) Chair: Veljko Jeremić **Lessons Learned from the COVID-19 Pandemic: Applications of Statistical and OR Methods** (Channel 2)	(S8) Chair: Vesna Čančer **Problems Approaching OR** (Channel 3)
SS2.7 - Marianna E.-Nagy and Anita Varga: A Numerical Comparison of Long-Step Interior Point Algorithms for Linear Optimization SS2.8 - László Á. Kóczy and Balázs R. Sziklai: Power and Preferences SS2.9 - Petra Renáta Rigó, Tibor Illés and Zsolt Darvay: Algebraic Equivalent Transformation Technique in Case of Sufficient Linear Complementarity Problems SS2.10 - Tamás Solymosi: Sensitivity of Fair Prices in Assignment Markets SS2.11 - Dávid Tollner and Tibor Illés: Bounded Pooling Problem SS2.12 - Roland Török, Tibor Illés and Petra Renáta Rigó: Implementation of Primal-Dual Interior-Point Algorithm for Solving Sufficient Linear Complementarity Problems SS2.13 - Ajda Zavrtanik Drglin, Romi Koželj, Martin Pečar and Gregor Mrak: Making the Next Step in Finding the Best Route	SS8.6 - Gordana Savić, Kristina Dobrilović, Bisera Andrić Gušavac, Minja Marinović and Milena Popović: Measuring Efficiency of Health Care System of OECD Member Countries During Pandemic COVID-19 SS8.7 - Nikola Zornić, Nataša Bojković and Tanja Živojinović: Assessing the Impact of COVID-19 Lockdown on Air Pollutant Emissions in Cities: The Case of Europe's Cleanest and Most Polluted Countries SS8.8 - Berislav Žmuk: Does the COVID-19 Discriminate by Gender? Croatian and Slovenian Case	S8.1 - Nikola Kadoić, Dijana Oreški and Marija Lendl: Comparative Analysis of Decision Tree Methods from Two Scientific Fields S8.2 - Lorena Mihelač and Janez Povh: Computational Analysis of the Musical Diversity in 22 European Countries S8.3 - Dino Pavlic: Business Process Management and Customer Experience Management Convergence – A Literature Review

15.00 – 15.15 Break

15.15 – 15.55 **Plenary lecture** (Channel 1, Chair: Marija Bogataj) PL4 - **Suresh P. Sethi**: Managing with Incomplete Inventory Information

16.00 – 16.15 **Piano concert** (Channel 1) Tadeusz Trzaskalik

Friday
September 24, 2021

9.00 – 9.55 **Plenary lecture** (Channel 1, Chair and presentation of PRACE: Janez Povh)
PL5 - **Nikolina Ban**: Mountain Climate at the Kilometer-Scale Grid Spacing

10.00 – 11.15 Parallel sessions:

(SS3) Chair: Mirjana Pejić Bach **Data Science – Methodologies and Case Studies** (Channel 1)	**(SS9)** Chair: Ângela Silva, Wellington Alves and Helena Sofia **Logistics and Sustainability** (Channel 2)	**(S6)** Chair: Tadeusz Trzaskalik **Multi-Criteria Decision-Making** (Channel 3)
SS3.1 - Aljaž Ferencek and Mirjana Kljajić Borštnar: Open Government Data Impact Areas Identification with Data Mining Techniques	SS9.1 - Wellington Alves, Ângela Silva and Helena Sofia odrigues:Consumer's Willingness to Engage in the Circular Economy: The Higher Education Outlooks	S6.1 - Andrej Bregar: Multiple Criteria Utility Models for Sorting Incorporating Veto Related Preference Structures
SS3.2 - Blaž Gašperlin, Andreja Pucihar and Mirjana Kljajić Borštnar: SMEs Readiness in Utilizing Digital Technologies and Data in Digital Transformation	SS9.2 - Ana Rita Castro, Claudia Duarte, Senhorinha Teixeira and Ângela Silva: Urgent Orders Impact on Materials Management in Portuguese Construction Sector - Case Study	S6.2 - Vesna Čančer: How to Create Piecewise Linear Value Functions
SS3.3 - Petra Kašparová and Petr Průcha: Design of a Model for Implementation of Business Intelligence Methods in Decision-Making Processes	SS9.3 - Balázs Dávid, Olivér Ősz and Máté Hegyháti: Scheduling of Waste Wood Processing Facilities with Overlapping Jobs	S6.3 - Hannia Gonzalez-Urango, Rocío Poveda-Bautista, Pablo D'Este, Oscar Llopis and Adrian A. Díaz-Faes: A Multicriteria Approach for the Analysis of Biomedical Research Networks
SS3.4 - László Kovács: Performance Testing of Feature Selection Algorithms for Generalized Additive Models	SS9.4 - Joana Nascimento, Nuno Frazão, Senhorinha Teixeira and Ana Cecília Ribeiro: Order Variation and Flexibility Rules Dashboard	S6.4 - Petra Grošelj, Gregor Dolinar and Tjaša Šmidovnik: Comparison of Best-Worst Method and Analytic Hierarchy Process
SS3.5 - Zoltán Madari and Veronika Szádoczkiné Varga: Empirical Analysis of the Hungarian Insurance Market	SS9.5 - Ana Órfão, Ângela Silva and Wellington Alves: The Role of Intermodal Transportation on Reducing CO2 Emissions	S6.5 - Rok Hržica and Mirjana Kljajić Borštnar: Multi-Criteria Decision Making Methods Comparison on a Case of Power Plant Procurement

11.15 – 11.30 Break

11.30 – 12.45 Parallel sessions:

(SS3) Chair: Mirjana Pejić Bach **Data Science – Methodologies and Case Studies** (Channel 1)	**(SS9)** Chair: Ângela Silva, Wellington Alves and Helena Sofia **Logistics and Sustainability** (Channel 2)	**(S6)** Chair: Tomasz Wachowicz **Multi-Criteria Decision-Making** (Channel 3)
SS3.6 - Boris Peršak, Uroš Rajkovič and Davorin Kofjač: Factors of Motor Policies Casco Coverage Risk Exposures	SS9.6 - Vitoria Packer do Amaral, Ana Cristina Ferreira and Bruna Ramos: A PDCA-Based Approach to Improve the Logistic Supply of an Assembly Line in the Automobile Sector: A Case Study	S6.6 - Jaroslav Janáček and Marek Kvet: Emergency Medical System under Conflicting Criteria
SS3.7 - Maja Pervan and Petra Babić: Evaluation of Efficiency and Its Determinants in Croatian Hotel Industry	SS9.7 - Eduardo Pintado, Lia Coelho de Oliveira and Jorge Esparteiro Garcia: Enhancing Environmental Sustainability and E-Commerce Deliveries through the Use of EPP Boxes in a Darkstore	S6.7 - Sabina Šegula, Vladislav Rajkovič and Uroš Rajkovič: Assessing Florists' Competencies Using Multicriteria Decision Methodology
SS3.8 - Maja Pervan and Ena Jurić: Determinants of Tourism Demand in Croatia		S6.8 - Andrej Škraba, Anja Žnidaršič, Davorin Kofjač and Alenka Baggia: Comparison of Student and Expert

Friday

September 24, 2021

SS3.9 - Petr Průcha and Petra Kašparová: Use of Emotion in Designing BI Dashboards SS3.10 - Jovana Zoroja, Mirjana Pejic Bach and Ivan Miloloža: Seeking Health Information over the Internet: Cluster Analysis Approach to Analyzing Differences Among European Countries	SS9.8 - Tiago Duarte Silva Vieira, Ângela Silva, Jorge Esparteiro Garcia and Wellington Alves: Methodological Framework for Measuring Regional Logistics Performance SS9.9 - Ana Rita Vasconcelos, Ângela Silva and Helena Sofia Rodrigues: Volunteering in Humanitarian Logistics: A Structural Equation Modeling	Idea Assessment in Online Brainstorming Session S6.9 - Tadeusz Trzaskalik: Vectors of Indicators in Multistage Bipolar Method S6.10 - Tomasz Wachowicz, Ewa Roszkowska, Krzysztof Piasecki and Marzena Filipowicz-Chomko: Analyzing the Concordance of Principals' Preference Representation by Agents with Different Decision-Making Profiles Using Generalized Fuzzy Approach
12.55 – 13.20 Closing ceremony (Channel 1)		

The 16th International Symposium on Operational Research in Slovenia – SOR '21

September 22 – 24, 2021, Online
https://sor.fov.um.si/

Program Committee:

L. Zadnik Stirn, University of Ljubljana, Biotechnical Faculty, Ljubljana, Slovenia, chair
M. Kljajić Borštnar, University of Maribor, Faculty of Organizational Sciences, Kranj, Slovenia, co-chair
J. Žerovnik, University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia, co-chair
J. Arnerić, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia
F. Berberich, PRACE – The Partnership for Advanced Computing in Europe, Brussels, Belgium
Marija Bogataj, University of Ljubljana, Faculty of Economics, and INRISK, Slovenia
M. Bohanec, Jožef Stefan Institute, Department of Knowledge Technologies, Ljubljana, Slovenia
D. Bokal, University of Maribor, Faculty of Natural Sciences and Mathematics, and DataBitLab d.o.o., Maribor, Slovenia
S. Cabello, University of Ljubljana, Faculty of Mathematics and Physics, Ljubljana, Slovenia
K. Cechlarova, P. J. Šafarik University, Faculty of Science, Košice, Slovakia
T. Csendes, University of Szeged, Department of Applied Informatics, Szeged, Hungary
V. Čančer, University of Maribor, Faculty of Business and Economics, Maribor, Slovenia
S. Drobne, University of Ljubljana, Faculty of Civil and Geodetic Engineering, Ljubljana, Slovenia
K. Dumičić, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia
L. Ferbar Tratar, University of Ljubljana, Faculty of Economics, Ljubljana, Slovenia
H. Gaspars-Wieloch, Poznan University of Economics and Business, Poznan, Poland
N. Herakovič, University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia
E. Hontoria, Technical University of Cartagena, Business Management Department, Cartagena, Spain
T. Illes, Corvinus Centre for Operations, Corvinus University of Budapest, Budapest, Hungary
J. Jablonsky, University of Economics, Faculty of Informatics and Statistics, Prague, Czech Republic
J. Jozefowska, Poznan University of Technology, Poznan, Poland, EURO vice-president
S. Klavžar, University of Ljubljana, Faculty of Mathematics and Physics, Ljubljana, Slovenia
A. Košir, University of Ljubljana, Faculty of Electrical Engineering, Ljubljana, Slovenia
J. Kušar, University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia
U. Leopold-Wildburger, University of Graz, Graz, Austria
Z. Lukač, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia
J. Michnik, University of economics, Katowice, Poland
M. Pejić Bach, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia
T. Perić, University of Zagreb, Faculty Economics and Business, Zagreb, Croatia
S. Pivac, University of Split, Faculty of Economics, Department for Quantitative Methods, Split, Croatia
J. Povh, University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia
U. Rajkovič, University of Maribor, Faculty of Organizational Sciences, Kranj, Slovenia
Č. Rozman, University of Maribor, Faculty of Agriculture and life sciences, Maribor, Slovenia
J. Šilc, Jožef Stefan Institute, Computer Systems Department, Ljubljana, Slovenia
T. Škrinjarić, University of Zagreb, Faculty of Economics, Zagreb, Croatia,
T. Trzaskalik, University of Economics, Department of Operational Research, Katowice, Poland
T. Wachowicz, University of Economics, Department of OR, Katowice, Poland
G.W. Weber, Poznan University of Technology, Faculty of Engineering Management, Poznan, Poland

Organizing Committee:

P. Gorjanc, University of Maribor, Faculty of Organizational Sciences, Kranj, Slovenia, chair
S. Drobne, University of Ljubljana, Faculty of Civil and Geodetic Engineering, Ljubljana, Slovenia, co-chair
N. Fileš, Slovenian Society INFORMATIKA, Ljubljana
M. Kljajić Borštnar, University of Maribor, Faculty of Organizational Science, Kranj, Slovenia
J. Povh, University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia
L. Zadnik Stirn, University of Ljubljana, Biotechnical Faculty, Ljubljana, Slovenia