



# SOR '21 programme

- 2021-09-15 -



Slovenian Society INFORMATIKA  
Section for Operational Research  
- organizer -



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<b>Wednesday</b> September 22, 2021	<b>Thursday</b> September 23, 2021	<b>Friday</b> September 24, 2021
9.00 – 9.45 Opening ceremony (Channel 1)	9.00 – 9.40 <b>Plenary lecture (Channel 1):</b> <b>(PL3) Jerneja Žganec Gros</b> Alpineon Ltd, Slovenia	9.00 – 9.55 <b>Plenary lecture (Channel 1):</b> <b>(PL5) Nikolina Ban</b> <b>(The PRACE plenary lecture)</b> University of Innsbruck, Austria
9.50 – 10.30 <b>Plenary lecture (Channel 1):</b> <b>(PL1) Panos Patrinos</b> KU Leuven, Belgium	9.45 – 10.30 Parallel sessions (Channels 1, 2 and 3): <b>(SS5) HPC&amp;BD + (SS4) GT&amp;A + (SS7) IPIOR</b>	10.00 – 11.15 Parallel sessions (Channels 1, 2 and 3): <b>(SS3) DSM&amp;CS + (SS9) L&amp;S + (S6) MCDM</b>
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): <b>(S5) MP&amp;O + (SS1) AoORISc + (SS6) I&amp;S5.0</b>	10.45 – 12.15 Parallel sessions (Channels 1, 2 and 3): <b>(SS2) CMO + (SS8) COVID-19 + (S4) L&amp;TG&amp;tA</b>	11.30 – 12.45 Parallel sessions (Channels 1, 2 and 3): <b>(SS3) DSM&amp;CS + (SS9) L&amp;S + (S6) MCDM</b>
12.15 – 13.15 Break	12.15 – 13.15 Break	12.55 – 13.20 Closing ceremony (Channel 1)
13.15 – 13.55 <b>Plenary lecture (Channel 1):</b> <b>(PL2) Vedran Kojić</b> University of Zagreb, Croatia	13.15 – 14.45 Parallel sessions (Channels 1, 2 and 3): <b>(SS2) CMO + (SS8) COVID-19 + (S8) PAOR</b>	
14.00 – 15.15 Parallel sessions (Channels 1, 2 and 3): <b>(SS10) ORiAS&amp;SI + (SS11) ORiAE&amp;FM + (S7) ToG</b>	14.45 – 15.00 Break	
15.15 – 15.30 Break	15.00 – 15.40 <b>Plenary lecture (Channel 1):</b> <b>(PL4) Suresh P. Sethi</b> University of Texas, USA	
15.30 – 16.45 Parallel sessions (Channels 1, 2 and 3): <b>(S1) EM&amp;S + (S3) F&amp;I + (S2) E&amp;SI</b>	15.45 – 16.00 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:

<b>(S5) Chair: Tunjo Perić</b> <b>Mathematical Programming and Optimization</b> (Channel 1)	<b>(SS1) Chair: Maja Čukušić and Mario Jadrić</b> <b>Application of Operational Research in Smart Cities</b> (Channel 2)	<b>(SS6) Chair: Drago Bokal and Andrej Košir</b> <b>Industry &amp; Society 5.0: Optimization in Industrial and Human Environments</b> (Channel 3)
<p>SS5.1 - 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</p> <p>SS5.2 - Milan Hladík: Six Ways how to Define Robust Pareto Optimality under Double Interval Uncertainty</p> <p>SS5.3 - Tibor Illés: Sufficient Matrices and Linear Complementarity Problems</p> <p>SS5.4 - Mira Krpan: Monopsony in Labor Market: Short-Run Profit Maximization Model from Duality Perspective</p> <p>SS5.5 - Zrinka Lukač: Optimal Taxation of a Monopoly with Cobb-Douglas Production Function for Two Inputs as a Bilevel Programming Problem</p> <p>SS5.6 - Tunjo Perić, Zoran Babić and Josip Matejaš: A New Methodology to Solve Decentralized Multi-Level Multi-Objective Linear Fractional Programming Problem</p>	<p>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</p> <p>SS1.2 - Ivan Kekez and Daniela Garbin Praničević: Investigating Singular Value Decomposition as a Tool for Data Management in Tourism</p> <p>SS1.3 - Ivan Kekez, Mario Jadrić and Maja Čukušić: Demonstration Potential of Simulation Modelling in the Urban Mobility Domain</p> <p>SS1.4 - Antonija Kvasina, Tea Mijač and Marko Hell: Developing System Dynamics Model for Waste Management in Tourism-Oriented Smart City</p> <p>SS1.5 - Tea Mijač, Ivana Ninčević Pašalić and Luka Tomat: Selection of IoT Platforms in Smart Cities: Multi-Criteria Decision Making</p> <p>SS1.6 - Polona Pavlovčič Prešeren: Group Method of Data Handling for Modeling GNSS Site-Specific Quality Parameters</p>	<p>SS6.1 - Tamara Čurlin, Ivan Miloloža and Helena Nikolić: Increasing Efficiency of Health Care Management with the Online Scheduling for Medical Services: Impact of Age and Occupation</p> <p>SS6.2 - Aleksandar Dojčinović, Martin Prelog, Maj Lopatič and Uroš Rajković: Smart House for Older and People with Disabilities</p> <p>SS6.3 - Ana Sousa, Cristina Rodrigues, Senhorinha Teixeira and Dominique Besson: Influence of National Culture in Supply Chain Internal Integration</p> <p>SS6.4 - Tena Žužek, Janez Kušar and Tomaž Berlec: Guidelines for Agile Concurrent Product Development in SMEs</p> <p>SS6.5 - Drago Bokal, Markus Chimani and Alen Vegi Kalamar: On the Didactic Value of Crossing Critical Graphs</p> <p>SS6.6 - Janja Jerebic, Špela Kajzer, Monika Vogrinec and Drago Bokal: Longitudinal Dynamics between Linearly Ordered Classes</p>

12.15 – 13.15 Break

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

14.00 – 15.15 Parallel sessions:

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

## Wednesday

September 22, 2021

<p>SS10.2 - Samo Drobne and Marija Bogataj: Older Adults Perspectives in Optimisation of Migration Flow</p> <p>SS10.3 - Lana Kordić and Josipa Višić: Efficiency of Croatian Nursing Homes - DEA Analysis</p> <p>SS10.4 - Marija Milavec Kapun, Vladislav Rajković, Olga Šušteršič, Rok Drnovšek and Uroš Rajković: Multi-Criteria Self-Care Decision Model of Patients with Chronic Diseases</p> <p>SS10.5 - Renata Možanić and David Bogataj: Forecasting the Homecare Utilization: Case for Varaždin County</p>	<p>SS11.2 - Ana Novak and Luka Juvančič: Multi-Criteria Evaluation of Alternative Scenarios for Closing Loops of Agricultural and Forestry Biomass</p> <p>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</p> <p>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</p> <p>SS11.5 - Maja Žibert, Boris Prevolšek, Andrej Škraba and Črtomir Rozman: Strategies for Structural Changes in Agricultural Holdings as a Farm Tourism Model Development</p>	<p>S7.2 - Helena Gaspars-Wieloch: From the Interactive Programming to a New Decision Rule for Uncertain One-Criterion Problems</p> <p>S7.3 - Jakub Mróz and Tomasz Wachowicz: The Dyadic Analysis of the Impact of Conflict-Handling Style on Negotiation Outcomes in Software Supported Negotiations</p> <p>S7.4 - Tamás Solymosi: Sensitivity of Fair Prices in Assignment Markets &lt;from SS2&gt;</p>
15.15 – 15.30 Break		
15.30 – 16.45 Parallel sessions:		
<p><b>(S1) Chair: Ksenija Dumičić</b>  <b>Econometric Models and Statistics</b>            (Channel 1)</p>	<p><b>(S3) Chair: Snježana Pivac</b>  <b>Finance and Investments</b>            (Channel 2)</p>	<p><b>(S2) Chair: Lidija Zadnik Stirn</b>  <b>Environment and Social Issues</b>            (Channel 3)</p>
<p>S1.1 - Darja Boršič and Lea Žižek: Determinants of Economic Development: An Application of Limited Dependent Variable Models</p> <p>S1.2 - Michaela Chocholatá and Andrea Furková: Educational Inequalities Across the EU Regions: Mixed GWR Approach</p> <p>S1.3 - Ksenija Dumičić and Ivana Cunjak Mataković: Approaches to Data Transformations and their Impact on the Skewness Statistic for Seriously Skewed Distributions: Selected Cryptocurrencies' Data Explored</p> <p>S1.4 - Elza Jurun, Nada Ratković and Lidija Bekavac: Strategy Europa 2020 and Economic Development from a National Point of View</p> <p>S1.5 - Kosovka Ognjenović: Gender Wage Inequality in the Labor Market of a Post-Socialist Economy</p> <p>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?</p>	<p>S3.1 - Zdravka Aljinović, Branka Marasović and Tea Kalinić Miličević: An Evidence on Risk and Return of Cryptocurrencies</p> <p>S3.2 - Boris Cota, Nataša Erjavec and Saša Jakšić: Income Inequality and Current Account Imbalances in New EU Members</p> <p>S3.3 - Aleš Kresta and Garegin Minasjan: Analysts' Recommendations as the Predictions of Future Stock Returns at Prague Stock Exchange</p> <p>S3.4 - Blanka Škrabić Perić and Ana Rimac Smiljanić: Derivatives Markets Development and Country Political Risk</p> <p>S3.5 - Marija Vuković and Snježana Pivac: The Impact of Business Economics Students' Use of Heuristics on their Predispositions for Long-Term Investment Decisions</p>	<p>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</p> <p>S2.2 - Marek Kvet and Jaroslav Janáček: Incrementing Heuristic for Non-Dominated Designs of Emergency Medical System</p> <p>S2.3 - Teodora Mishevska and Samo Drobne: Functional Areas in Higher Education: A Case Study for Slovenia</p> <p>S2.4 - Mario Pepur: Validation of the Fan Type Scale in Croatia</p> <p>S2.5 - Lidija Zadnik Stirn and Gregor Dolinar: MCDM with Imprecise Information: Economic, Ecological, Social and Participatory Insights on Natural Resource Management Scenarios</p>

## Thursday

### September 23, 2021

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:

<b>(SS5) Chair: Janez Povh</b> <b>High-Performance Computing and Big Data</b> (Channel 1)	<b>(SS4) Chair: Sandi Klavžar</b> <b>Graph Theory and Algorithms</b> (Channel 2)	<b>(SS7) Chair: Anja Žnidaršič and Janja Jerebic</b> <b>International Projects in Operations Research</b> (Channel 3)
<p>SS5.1 - Tomaž Čegovnik, Andrej Dobrovoljc, Janez Povh and Matic Rogar: Electricity Consumption Prediction Using Artificial Intelligence</p> <p>SS5.2 - Timotej Hrga and Janez Povh: On Using Hypermetric Inequalities in a Cutting-Plane Algorithm for Max-Cut</p> <p>SS5.3 - Andrej Kastrin, Rok Hribar, Gregor Papa and Janez Povh: Bibliographic Data Clustering Based on Symmetric Non-Negative Matrix Tri-Factorization</p>	<p>SS4.1 - Peter Czimmermann and Michal Lichner: Critical Edges in Weighted Center Problems</p> <p>SS4.2 - Boštjan Gabrovšek, Aljoša Peperko and Janez Žerovnik: 2-Rainbow Independent Domination Numbers of Some Graphs</p>	<p>SS7.1 - Alenka Tratnik, Anja Žnidaršič, Janja Jerebic, Uroš Rajkovič, Alenka Baggia, Dragana Gak, Tatjana Grbič, Nataša Duraković and Slavica Medić: Predictors of Email Communication Skills among Slovenian and Serbian Students</p> <p>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</p> <p>SS7.3 - Frane Banić and Irena Palić: The Assessment of Twin Divergence in Croatia: The Impact of Trade Deficit on the Budget Deficit &lt;from S3&gt;</p>

10.30 – 10.45 Break

10.45 – 12.15 Parallel sessions:

<b>(SS2) Chair: Tibor Illés and Marianna Eisenberg-Nagy</b> <b>Computational Mathematical Optimization</b> (Channel 1)	<b>(SS8) Chair: Veljko Jeremić</b> <b>Lessons Learned from the COVID-19 Pandemic: Applications of Statistical and OR Methods</b> (Channel 2)	<b>(S4) Chair: Samo Drobne</b> <b>Location and Transport, Graphs and their Applications</b> (Channel 3)
<p>SS2.1 - Kolos Cs. Ágoston and Marianna E.-Nagy: Mixed Integer Linear Programming Formulation for K-means Cluster Problem</p> <p>SS2.2 - Kolos Csaba Ágoston and Márton Gyetvai: Comparison of an Iterative Heuristic and Joint Optimization in the Optimization of Bonus-Malus Systems</p> <p>SS2.3 - Márton Benedek, Péter Biró, Walter Kern and Daniel Paulusma: Computing International Kidney Exchange Schemes</p> <p>SS2.4 - Kristóf Druzzsin, Péter Biró, Rita Fleiner and Xenia Klimentova: Simulations for Measuring Efficiency of</p>	<p>SS8.1 - Matúš Bilka and Zdravka Aljinović: The Role of Cryptocurrencies in the Portfolio Optimization During the COVID-19 Pandemic</p> <p>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</p> <p>SS8.3 - L.N. Bulder and N.M. van Dijk: On the COVID effect for OT-ICU systems</p> <p>SS8.4 - Ivana Lazarevic, Milica Maricic and Marina Ignjatovic: Segmenting Centennials Based on their Consumer Behaviour During COVID-19</p>	<p>S4.1 - Szilvia Erdős and Bence Kóvári: Algorithms Based on Analytic Learning Neural Networks for Final Exam Scheduling</p> <p>S4.2 - Elif Garajová and Miroslav Rada: Exact Method for the Worst Optimal Value of an Interval Transportation Problem</p> <p>S4.3 - László Hajdu and Miklós Krész: The Influence Monitoring Problem</p> <p>S4.4 - Tea Šestanović: Bitcoin Price Direction Forecasting Using Neural Networks</p> <p>S4.5 - Samo Drobne, Alberto Garre and Eloy Hontoria: Analysis of the Relationships between Slovenian</p>

# Thursday

September 23, 2021

<p>International Kidney Exchange Programmes</p> <p>SS2.5 - Dávid Cserecsik: Heuristics for Combinatorial Auction-Based Channel Allocation Approaches in Multi-Connective Wireless Environments</p> <p>SS2.6 - Marianna E.-Nagy and Anita Varga: A Family of Long-Step Interior Point Algorithms for Linear Programming</p>	<p>Pandemics: The Case of Confectionery Industry</p> <p>SS8.5 - Jelena Minović: The Response of Market Volatility to the COVID-19 Pandemic</p>	<p>Functional Regions Identified in the Network</p>
12.15 – 13.15 Break		
13.15 – 14.45 Parallel sessions:		
<p><b>(SS2) Chair:</b> Tibor Illés and Marianna Eisenberg-Nagy <b>Computational Mathematical Optimization</b> (Channel 1)</p>	<p><b>(SS8) Chair:</b> Veljko Jeremić <b>Lessons Learned from the COVID-19 Pandemic: Applications of Statistical and OR Methods</b> (Channel 2)</p>	<p><b>(S8) Chair:</b> Vesna Čančer <b>Problems Approaching OR</b> (Channel 3)</p>
<p>SS2.7 - Marianna E.-Nagy and Anita Varga: A Numerical Comparison of Long-Step Interior Point Algorithms for Linear Optimization</p> <p>SS2.8 - László Á. Kóczy and Balázs R. Sziklai: Power and Preferences</p> <p>SS2.9 - Petra Renáta Rigó, Tibor Illés and Zsolt Darvay: Algebraic Equivalent Transformation Technique in Case of Sufficient Linear Complementarity Problems</p> <p>SS2.10 - Dávid Tollner and Tibor Illés: Bounded Pooling Problem</p> <p>SS2.11 - Roland Török, Tibor Illés and Petra Renáta Rigó: Implementation of Primal-Dual Interior-Point Algorithm for Solving Sufficient Linear Complementarity Problems</p> <p>SS2.12 - Ajda Zavrtanik Drglin, Romi Koželj, Martin Pečar and Gregor Mrak: Making the Next Step in Finding the Best Route</p>	<p>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</p> <p>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</p> <p>SS8.8 - Berislav Žmuk: Does the COVID-19 Discriminate by Gender? Croatian and Slovenian Case</p>	<p>S8.1 - Nikola Kadoić, Dijana Oreški and Marija Lendl: Comparative Analysis of Decision Tree Methods from Two Scientific Fields</p> <p>S8.2 - Lorena Mihelač and Janez Povh: Computational Analysis of the Musical Diversity in 22 European Countries</p> <p>S8.3 - Dino Pavlic: Business Process Management and Customer Experience Management Convergence – A Literature Review</p> <p>S8.4 - Burcu Gürbüz and Gerhard-Wilhelm Weber: A numerical investigation of a communication model</p>
14.45 – 15.00 Break		
<p>15.00 – 15.40 <b>Plenary lecture</b> (Channel 1, Chair: Marija Bogataj) PL4 - <b>Suresh P. Sethi</b>: Managing with Incomplete Inventory Information</p>		
<p>15.45 – 16.00 <b>Piano concert</b> (Channel 1) Tadeusz Trzaskalik</p>		



## Friday September 24, 2021

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

10.00 – 11.15 Parallel sessions:

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

11.15 – 11.30 Break

11.30 – 12.45 Parallel sessions:

<b>(SS3)</b> Chair: Mirjana Pejić Bach <b>Data Science – Methodologies and Case Studies</b> (Channel 1)	<b>(SS9)</b> Chair: Ângela Silva, Wellington Alves and Helena Sofia Rodrigues <b>Logistics and Sustainability</b> (Channel 2)	<b>(S6)</b> Chair: Tomasz Wachowicz <b>Multi-Criteria Decision-Making</b> (Channel 3)
<p>SS3.6 - Boris Peršak, Uroš Rajkovič and Davorin Kofjač: Factors of Motor Policies Casco Coverage Risk Exposures</p> <p>SS3.7 - Maja Pervan and Petra Babić: Evaluation of Efficiency and Its Determinants in Croatian Hotel Industry</p> <p>SS3.8 - Maja Pervan and Ena Jurić: Determinants of Tourism Demand in Croatia</p> <p>SS3.9 - Jovana Zoroja, Mirjana Pejić Bach and Ivan Miloloža: Seeking Health</p>	<p>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</p> <p>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</p>	<p>S6.6 - Jaroslav Janáček and Marek Kvet: Emergency Medical System under Conflicting Criteria</p> <p>S6.7 - Sabina Šegula, Vladislav Rajkovič and Uroš Rajkovič: Assessing Florists' Competencies Using Multicriteria Decision Methodology</p> <p>S6.8 - Andrej Škraba, Anja Žnidaršič, Davorin Kofjač and Alenka Baggia: Comparison of Student and Expert Idea Assessment in Online Brainstorming Session</p>

**Friday**

**September 24, 2021**

Information over the Internet: Cluster Analysis Approach to Analyzing Differences Among European Countries

SS3.10 - Petr Průcha and Petra Kašparová: Use of Emotion in Designing BI Dashboards

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

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)





### **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  
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