

Program of the  
17<sup>th</sup> European Symposium  
on Computational Intelligence and Mathematics  
May 10<sup>th</sup> - 13<sup>th</sup>, 2026. Timisoara, Romania



MONDAY 11 <sup>th</sup>	
Location: Continental Hotel	
8:30	Open Registration Desk
9:00–9:30	Inauguration
9:30–10:30	<b>Keynote Speaker - Yiyu Yao</b> Title: Three-way decision: A computational intelligence perspective Chairperson: Jesús Medina
10:30–11:00	Coffee break
11:00–12:00	<b>Special Session: Decision and optimization model applied to logistics and transport</b> Chairperson: Julio Alberto López-Gómez
	<i>A Personality and Emotional Disregulation-based Decision system for categorizing online gambling addiction levels</i> Jesús Serrano-Guerrero, Woorod Al-Muhtaseb, Abdullah Abdulgafer, Guadalupe Plaza, Andrés Montoro-Montarroso, Francisco Romero, José A. Olivas
	<i>Benchmarking Metaheuristic Algorithms for Revenue-Driven Timetabling in Deregulated Railway Markets</i> David Muñoz-Valero, Juan Moreno-García, Julio Alberto López-Gómez, Enrique Adrián Villarrubia-Martín
	<i>Fairness-Aware Optimization for Train Timetabling in Liberalized Railway Markets: A Comparative Study of Equity Metrics</i> David Muñoz-Valero, Juan Moreno-García, Julio Alberto López-Gómez, Enrique Adrián Villarrubia-Martín
12:00–12:10	Break
12:10–13:10	<b>Regular Session 1</b> Chairperson: TBA
	<i>Deconvolutional Networks as an XAI Method for Convolutional Neural Networks in Brain MRI Classification</i> Piotr Kowalski
	<i>A Scenario-Based Fuzzy Cognitive Map Approach to ESG Analysis in Higher Education</i> József Hegedüs, László T. Kóczy, Miklós Hatwagner
	<i>Fuzzy Cognitive Map Modell reduction with Neural Network</i> Barbara Sebestyén, László T. Kóczy, Miklós F. Hatwagner
13:10–15:00	Lunch

15:00–16:00	<b>Keynote Speaker - Qiang Shen</b> Title: Harnessing AI with Limited Data: Approximate Knowledge Interpolation and Practical Applications Chairperson: László T. Kóczy
16:00–16:20	Coffee break
16:20–18:20	<b>Special Session: Recent trends in knowledge representation and modelling. Part 1</b> Chairperson: Roberto G. Aragón
	<i>From fuzzy measures to communities: a clustering approach for interpretation</i> Inmaculada Gutiérrez García-Pardo, Carlos I. Pérez-Sechi, Javier Castro, Daniel Gómez
	<i>Formal Concept Analysis for Evaluating the Intent Dimension of LLMs</i> Adam Leiyi Chen, Joaquín Borrego
	<i>On the aggregation of contexts with common attributes</i> Roberto G. Aragón, Jesús Medina, Samuel Molina-Ruiz
	<i>Interactive Fuzzy FCA Recommender System: A Visual Approach using fcaR</i> Ángel Mora Bonilla, Domingo López-Rodríguez, Manuel Ojeda-Hernández
	<i>Definition and resolution of bipolar multi-adjoint relation equations</i> M. Eugenia Cornejo, David Lobo, Jesús Medina
	<i>Characterizing the solvability of bipolar sup-equations in terms of the negation operator</i> David Lobo, Pablo López-Molina
20:00	<b>Welcome reception</b>

<b>TUESDAY 12<sup>th</sup></b>	
<b>Location: Continental Hotel</b>	
9:00–10:00	<b>Keynote Speaker - Radu-Emul Precup</b> Title: Model-based and Data-driven Low-cost Fuzzy Controllers with Servo System Applications Chairperson: Andreja Tepavčević
10:00–11:00	<b>Regular Session 2</b> Chairperson: Vilém Novák
	<i>Optimizing Hierarchical Fuzzy Signatures for Masonry Compressive Strength Assessment</i> András Kaszás, Vanda O. Pomezanski, László T. Kóczy
	<i>Applying The Fuzzy Signatures Concepts for Linguistic Values</i> Nour Ammar, László T. Kóczy
	<i>A First Exploration of Concept Representation in Latent Space</i> Arturo Fernández-Mora, Juan Moreno-García, David Muñoz-Valero, Luis Martínez
11:00–11:30	Coffee break
11:30–13:30	<b>Special Session: Recent trends in knowledge representation and modelling. Part 2</b> Chairperson: David Lobo
	<i>Application of Intermediate Quantifiers Forming a Logical Structure of Opposition</i> Vilém Novák, Petra Murinova, Karel Fiala
	<i>Standard completeness of multi-adjoint Gödel logic</i> María Eugenia Cornejo, Francesc Esteva, Luis Fariñas-del Cerro, Lluís Godo, Jesús Medina
	<i>From ASP to L-DINF: Towards Epistemic Dietary Agents for Personalized Nutrition</i> Alina Vozna, Stefania Costantini, Valentina Pitoni
	<i>Hybrid cd-implications to handle mixed information</i> Fernando Chacón-Gómez, M. Eugenia Cornejo, Jesús Medina
	<i>Towards the non recursive notion of pseudo-intent in residuated concept lattices with hedges</i> M. Eugenia Cornejo, Jesús Medina, Francisco J. Ocaña-Alcázar
	<i>A Hybrid approach for the integration of degrees of belief and incomplete information</i> Francisco Pérez-Gámez, Pablo Cordero, Manuel Enciso, Ángel Mora
13:30–15:30	Lunch
15:30–17:30	<b>Timisoara tour</b>
20:30	<b>Gala dinner</b>

<b>WEDNESDAY 13<sup>th</sup></b>	
<b>Location: Continental Hotel</b>	
10:00–10:50	<b>Keynote Speaker - Annamária R. Várkonyi-Kóczy</b> Title: Fuzzy Models in Anytime Systems Chairperson: Manuel Ojeda-Aciego
10:50–11:10	Coffee break
11:10–12:10	<b>Regular Session 3</b> Chairperson: Martin Kalina
	<i>Difference between divisibility and smoothness for pseudo-t-norms on finite lattices</i> Juraj Kalafut, Martin Kalina, Ivona Hrivová, Andrea Mesiarová-Zeménková
	<i>Codomain lattice and optimization problems</i> Vanja Stepanović, Andreja Tepavčević
	<i>Omega-algebras in classical fuzzy setting</i> Vanja Stepanović, Andreja Tepavčević, Aleksandar Trkulja
12:10–13:30	<b>Regular Session 4</b> Chairperson: TBA
	<i>Fairness Distortion Index: A Fuzzy Aggregation Framework for Evaluating League Scheduling Bias</i> Boldizsár Tüü-Szabó, László T. Kóczy
	<i>From Voting to Aggregation: An Aggregation-Based Interpretation of Alternative Voting Mechanisms in the Fuzzy Hough Transform</i> Szilvia Nagy, Brigita Sziová
	<i>On aggregation of <math>T_M</math>-fuzzy vector subspaces</i> Dragan Jočić, Ivana Štajner-Papuga
	<i>On discrete Sugeno integral and aggregation of algebraic objects</i> Ivana Štajner-Papuga, Andreja Tepavčević
13:30–15:50	<b>Closing Session – Lunch</b>

Social Events	
SUNDAY 10 <sup>th</sup>	
08:30	<b>Tour to Arad and Balla Geza Winehouse, Minis</b>
MONDAY 11 <sup>th</sup>	
20:00	<b>Welcome reception</b>
TUESDAY 12 <sup>th</sup>	
15:30–17:30	<b>Timisoara tour</b>
20:30	<b>Gala dinner</b>
WEDNESDAY 13 <sup>th</sup>	
13:30–15:30	<b>Closing Session</b>