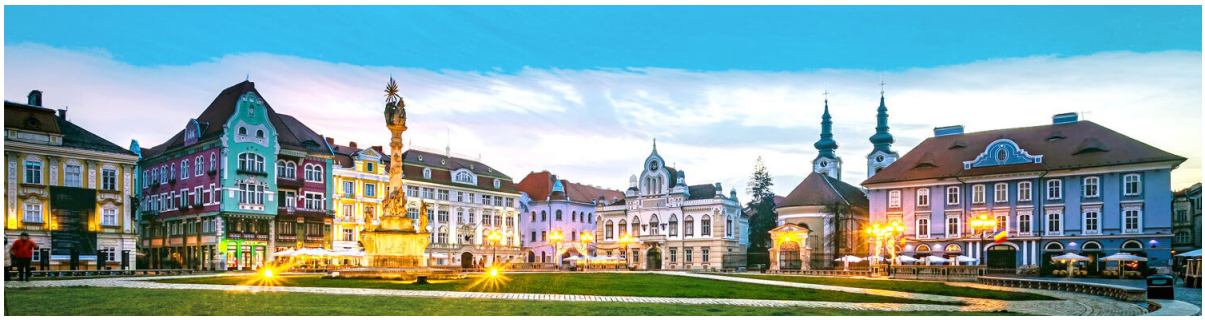
Program of the

17^{th} European Symposium on Computational Intelligence and Mathematics

May 10^{th} - 13^{th}, 2026. Timisoara, Romania



UCA Universidad de Cádiz
Departamento de Matemáticas

M·C I

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

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

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

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

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