

Program of the 10th European Symposium on Computational Intelligence and Mathematics

October 7th - 10th, 2018, Riga, Latvia



SUNDAY 7 th	
9:00–10:00	Open Registration Desk. Hotel Islande
11:30	Round table Seventh International Workshop on Mathematics and Soft Computing
14:00	Round table Tenth Győr Symposium on Computational Intelligence

MONDAY 8 th	
Location: Institute of Mathematics and Computer Science of University of Latvia	
8:30	Open Registration Desk
8:40–9:00	Inauguration
9:00–10:00	Keynote Speaker - Janusz Kacprzyk Chairperson: László Kóczy
10:00–11:10	Session S1. Chairperson: Janusz Kacprzyk
	<i>Hierarchical fuzzy decision support methodology for dangerous goods packaging design</i> Kata Vöröskői, Gergő Fogarasi, Péter Böröcz and László T. Kóczy
	<i>Towards Automatic Web Identification of Solutions in Patient Innovation</i> João Nuno Almeida, Salomé Azevedo and Joao Paulo Carvalho
	<i>The Discrete Bacterial Memetic Evolutionary Algorithm for solving the one-commodity Pickup-and-Delivery Traveling Salesman Problem</i> Boldizsár Tüü-Szabó, Péter Földesi and László T. Kóczy
11:10–11:30	Coffee break

11:30–12:20	Keynote Speaker - Gabriella Pasi Title: Aggregation guided by fuzzy quantifiers in IR and in Social Media Analytics Chairperson: Jesús Medina
12:20–13:30	Session S2. Chairperson: László T. Kóczy
	<i>Roughness and Fuzziness</i> Zoltán Ernő Csajbók and József Ködmön
	<i>Applying fuzzy Hough transform for identifying honed microgeometrical surfaces</i> Szilvia Nagy, Brigita Sziová, Levente Solecki, Balázs Sarkadi-Nagy and László T. Kóczy
	<i>Notes on the Rescaled Algorithm for Fuzzy Cognitive Maps</i> Istvan Harmati and László T. Kóczy
13:30–15:00	Lunch
15:00–18:00	Session S3. Chairperson: Manuel Ojeda-Aciego (Coffee will be offered during the session)
	<i>Introducing Group-like Uninorms - Construction and Characterization</i> Sándor Jenei
	On the exchange principle in adjoint triples M. Eugenia Cornejo, Jesús Medina and Eloísa Ramírez-Poussa
	<i>Poset valued intuitionistic preference relations</i> Marija Djukic and Andreja Tepavcevic
	<i>Relating Hilbert-Chu Correspondences and Big Toy Models for Quantum Mechanics</i> Ondrej Kridlo and Manuel Ojeda-Aciego
	<i>Attribute selection via Hellwig's algorithm for Atanassov's Intuitionistic Fuzzy Sets</i> Eulalia Szmidt, Janusz Kacprzyk and Paweł Bujnowski
	<i>Extended fuzzy signature based model for qualification of residential buildings</i> Ádám Bukovics, Gergő Fogarasi and László T. Kóczy
19:00	Welcome reception

TUESDAY 9th	
Location: Hotel Islande	
9:00–9:50	Keynote Speaker - Oscar Castillo Title: Nature-Inspired Optimization of Type-2 Fuzzy Logic Controllers Chairperson: Janusz Kacprzyk
9:50–11:00	Session S4. Chairperson: Gabriella Pasi
	<i>Design of a fuzzy system for classification of blood pressure load</i> Juan Carlos Guzmán, Patricia Melin and Germán Prado-Arechiga
	<i>Triggering Probabilistic Neural Networks with Flower Pollination Algorithm</i> Piotr Kowalski and Konrad Wadas
	<i>Research on Improvement of Information Platform for Local Tourism by Paragraph Vector</i> Takeshi Tsuchiya
11:00–11:20	Coffee break
11:20–13:30	Session S5. Chairperson: Jesús Medina
	<i>Generating Preference Relation Matrices from Utility Vectors Using Lukasiewicz Transitivity</i> Thomas A. Runkler
	<i>Optimization under fuzzy max-t-norm relation constraints</i> Reinis Lama and Svetlana Asmuss
	<i>Modeling enterprise architecture and strategic management from fuzzy decision rules</i> Daniel Alfonso-Robaina, Annette Malleuve, Juan Carlos Díaz, Jesús Medina and Clemente Rubio-Manzano
	<i>Describing Time Series using Fuzzy Piecewise Linear Segments</i> Juan Moreno-García, Antonio Moreno-García, Luis Jiménez-Linares and Luis Rodríguez-Benítez
	<i>A combined fuzzy and statistical approach for the evaluation of management questionnaires</i> László T. Kóczy, Ojaras Purvinis and Dalia Susniene
13:30–15:00	Lunch
17:00–20:00	Riga tour
20:00	Gala dinner

WEDNESDAY 10th	
Location: Hotel Islede	
10:00–11:00	Keynote Speaker - Alexander Sostaks Title: On many-level fuzzy rough approximation systems Chairperson: Oscar Castillo
11:00–11:20	Coffee break
11:20–13:30	Session S6. Chairperson: Alexander Sostaks
	<i>F-transforms for the definition of contextual fuzzy partitions</i> Nicolás Madrid
	<i>Fuzzy metric approach to aggregation of risk levels</i> Svetlana Asmuss and Pavels Orlovs
	<i>On the measure of many-level fuzzy rough approximation for L-fuzzy sets</i> Alexander Sostak, Ingrida Uljane and Aleksandrs Elkins
	<i>Bireducts and FCA</i> María José Benítez-Caballero, Jesús Medina and Eloísa Ramírez-Poussa
13:40–15:00	Lunch
15:00–19:30	Session on Computational Intelligence and Mathematics to Digital Forensic – COST ACTION DigForASP – CA17124
	<i>Introduction to DigForASP</i> Jesús Medina
	<i>Round table with the participation of:</i>
	Manuel Ojeda-Aciego
	Andreja Tepavcevic
	László Kóczy
	Szilvia Nagy
20:00	Closing Session

Social Events	
SUNDAY 7th	
10:00–18:00	Visit to Bauska Castle and Rundale Palace
TUESDAY 9th	
17:00–20:00	Riga tour
20:00	Gala dinner