

# Program of the 9<sup>th</sup> European Symposium on Computational Intelligence and Mathematics

October 4<sup>th</sup> – 7<sup>th</sup>, 2017, Faro, Portugal



WEDNESDAY 4 <sup>th</sup>	
8:30	Open Registration Desk
8:40-9:00	Inauguration
9:00-10:00	<b>Keynote Speaker – Rosana Rodríguez-López</b>
10:00-11:00	<b>Session S1</b>
	<i>GPR hyperbolas classification using a multi-objective genetic approach</i> Houda Harkat, Antonio Ruano, María Da Graça Ruano and Saad Bennani
	<i>Application of the Flower Pollination Algorithm in the Analysis of Micro-CT Scans</i> Piotr Kowalski, Jakub Kaminski, Szymon Łukasik, Joanna Świebocka-Więk, Dominika Gołuńska, Jacek Tarasiuk and Piotr Kulczycki
11:00-11:30	Coffee break
11:30-12:30	<b>Keynote Speaker – Jesús Medina</b>
12:30-13:30	<b>Session S2</b>
	<i>Enhancing the analysis of video time series by means of a multi-agent architecture</i> Luis Rodríguez-Benitez, Juan Giralt, Luis Jiménez Linares, Juan Moreno Garcia and Darío Merino Diaz
	<i>On the Antecedent Sets for Fuzzy Classification of Colorectal Polyps with Stabilized KH Interpolation</i> Szilvia Nagy, Ferenc Lilik and Laszlo T. Kóczy
13:30-15:00	Lunch
16:30	<b>Historical visit – finishing in the municipal museum, in which we will have the welcome reception by the Major.</b>
19:00	<b>Welcome reception</b>

THURSDAY 5 <sup>th</sup>	
9:00-9:50	<b>Keynote Speaker – Věra Kůrková</b>
9:50-11:00	<b>Session S3</b>
	<i>How to predict consistently?</i> Evgenii Vityaev and Sergei Odintsov
	<i>Symbolic Unfolding of Multi-adjoint Logic Programs</i> Gines Moreno, Jaime Penabad and José Antonio Rianza Valverde
	<i>Towards the use of hypergraphs in fuzzy logic programming</i> Juan Carlos Díaz-Moreno, Jesús Medina and José Ramón Portillo Fernández
11:00-11:20	Coffee break
11:20-12:10	<b>Keynote Speaker – Francisco J. Valverde-Albacete</b>
12:10-13:40	<b>Session S4</b>
	<i>Ch Banking Applications of FCM Models</i> Miklós Hatwágner, Gyula Vastag, Vesa Niskanen and László T. Kóczy
	<i>On experimental efficiency for retraction operator to stem basis</i> Gonzalo A. Aranda-Corral, Joaquín Borrego-Díaz, Juan Galán-Páez and Alejandro Trujillo Caballero
	<i>Inference of mixed information in Formal Concept Analysis</i> Ángel Mora Bonilla, Pablo Cordero, Manuel Enciso and José Manuel Rodríguez-Jiménez
	<i>Unifying reducts in formal concept analysis and rough set theory</i> María José Benítez-Caballero, Jesús Medina and Eloísa Ramírez-Poussa
13:40-15:00	Lunch
15:30-18:00	<b>Session S5</b>
	<i>Similarity measure between linguistic terms by using restricted equivalence functions and its application to expert systems</i> Clemente Rubio-Manzano
	<i>A New Convex Hull, Sliding Window Based Online Adaptation Method for Fixed-Structure Radial Basis Function Neural Networks</i> Hamid Khosravani, Ruano Antonio and Pedro Ferreira
	<i>A population based metaheuristic for the Minimum Latency Problem</i> Boldizsár Tüü-Szabó, László T. Kóczy and Péter Földesi
	<i>Multi-objective Fuzzy Geometric Programming Problem Using Fuzzy Geometry</i> Dr. Debjani Chakraborty, Abhijit Chatterjee and Aishwaryaprajna
	<i>Recommendation solution in a Locate-Based Social Network via Formal Concept Analysis</i> Jesús Medina, Kristina Pakhomova and Eloísa Ramírez-Poussa
18:00-20:00	<b>Free time</b>
20:00	<b>Gala dinner</b>

FRIDAY 6 <sup>th</sup>	
9:30-10:20	<b>Keynote Speaker – Debjani Chakraborty</b>
10:20-11:10	<b>Session S6</b>
	<i>Generalized Boolean Algebras and Applications</i> Andreja Tepavcevic, Branimir Seselja and Omalkhaer Bleblou
	<i>Bipolar max-product fuzzy relation equations with the product negation</i> M.Eugenia Cornejo, David Lobo and Jesús Medina
11:10-11:30	Coffee break
11:30-13:40	<b>Session S7</b>
	<i>Direct and indirect methods for solving two-mode systems of fuzzy relation equations and inequalities</i> Miroslav Ćirić, Jelena Ignjatović and Ivan Stanković
	<i>An adjoint pair for intuitionistic L-fuzzy values</i> Ondrej Kridlo and Manuel Ojeda-Aciego
	<i>On Possibilistic Version of Distance Covariance and Correlation</i> Istvan Harmati and Robert Fullér
	<i>A Fuzzy Approach for Measuring Sentence Checkability – Preliminary Results</i> Hugo Farinha and Joao Paulo Carvalho
	<i>Reduced Model Investigations supported by Fuzzy Cognitive Map to Foster Circular Economy.</i> Adrienn Buruzs, Miklós F. Hatwágner and László T. Kóczy
13:40-16:00	Lunch and closing

SATURDAY 7 <sup>th</sup>	
8:00	Round tables: 6 <sup>th</sup> International Workshop on Mathematics and Soft Computing and 9 <sup>th</sup> Győr Symposium on Computational Intelligence
9:00-17:30	Algarve tour