ISAS 2018

International Symposium on Aggregation and Structures

July 2–5, 2018, Valladolid (Spain)

Program

Monday, July 2		
	Registration Opening	
10:30-11:30	Invited speaker: Jean-Luc Marichal Title: Associative and Quasitrivial Operations on Finite Sets: Characterizations and Enumeration Chair: Radko Mesiar	
11:30-12:00	Coffee break	
_	 Session 1: Aggregation functions. Chair: Marta Cardin On Associative, Idempotent, Symmetric, and Nondecreasing Operations Jimmy Devillet and Bruno Teheux On a New Construction Method of Fuzzy Sheffer Stroke Operation Pedro Berruezo, Piotr Helbin, Wanda Niemyska, Michal Baczyński, Sebastià Massanet and Daniel Ruiz-Aguilera 	
13:30	Lunch	
_	 Session 2: Aggregation on posets and lattices I. Chair: Martin Kalina Some Results on Internal and Locally Internal Uninorms on Bounded Lattices Gül Deniz Çaylı, Funda Karaçal and Radko Mesiar Generating Sets of Idempotent Aggregation Clones on Bounded Lattices and Their Min- imality Radomír Halaš, Radko Mesiar and Jozef Pócs A Note on Generating Sets for Aggregation Clones on Finite Lattices Radomír Halăs, Radko Mesiar and Jozef Pócs 	
17:00-17:30	Coffee break	
_	 Session 3: New directions I. Chair: Salvatore Greco Extending Aggregation Functions for Undefined Inputs Libor Běhounek and Martina Daňková Aggregation vs. Disaggregation: A Geometrical Approach María Jesús Campión, Esteban Induráin and Armajac Raventós 	

Tuesday, July 3

10:00–11:00 Invited speaker: Salvatore Greco Title: The Bipolar Pawlak-Brouwer-Zadeh Lattice as a Grammar for Reasoning on Data in Multiple Criteria Decision Aiding Using Dominance-Based Rough Set Approach Chair: Bernard De Baets
11:00–11:30 Coffee break
 11:30–13:00 Session 4: Mathematical aspects I. Chair: Bruno Teheux A Mathematical Study of the Order Structure of Distributed Systems Asier Estevan The Topological Spaces Induced from the Families of the Functions Funda Karaçal, M. Nesibe Kesicioğlu and Ümit Ertuğrul The Topological Spaces Obtained from C[*]_{U,A} Funda Karaçal, Ümit Ertuğrul and M. Nesibe Kesicioğlu
13:30 Lunch
 15:30–17:00 Session 5: New directions II. Chair: Irina Perfilieva On the Definition of a Penalty Function in and beyond the Framework of Real Numbers Bernard De Baets and Raúl Pérez-Fernández An n-ary Generalization of the Concept of Distance Gergely Kiss, Jean-Luc Marichal and Bruno Teheux A General Approach to Aggregation Operators Marta Cardin
17:00–17:30 Coffee break
 17:30–18:30 Session 6: Aggregation on posets and lattices II. Chair: Jozef Pócs New Approaches for Defining OWA Operators on Partially Ordered Sets Daniel Paternain, LeSheng Jin, Humberto Bustince and Radko Mesiar Continuity and Divisibility of Monotone Binary Operations on Bounded Posets Martin Kalina
19:30 Guided tour

Wednesday, July 4

10:00–11:00 Invited speaker: Irina Perfilieva Title: Nonlocal Operators for Dimensionality Reduction and Image Inpainting Chair: Funda Karaçal	
11:00–11:30 Coffee break	
 11:30–13:00 Session 7: Applications. Chair: Jean-Luc Marichal First-Order Then-Aggregate Strategies to Solve the Optimal Bucket Order Problem Juan A. Aledo, José A. Gámez and Alejandro Rosete A Computationally Expedient Social-Choice Related Property for Group Decision-Mak Yeawon Yoo and Adolfo R. Escobedo F-transform with Undefined Inputs Martina Daňková 	kinį
13:30 Lunch	
 16:00–17:30 Session 8: Aggregation of Qualitative and Quantitative Information. Chair: Man Úbeda-Flores Poverty Trends in Europe: A Multivariate Dependence Analysis Based on Copulas César García-Gómez, Ana Pérez and Mercedes Prieto-Alaiz Joint Aggregation of Rankings and Ordinal Labels: A Case Study in Food Science Raúl Pérez-Fernández, Marc Sader and Bernard De Baets Aggregating Quantitative and Qualitative Assessments in Multidimensional Welfare José Luis García-Lapresta and Casilda Lasso de la Vega 	
20:30 Gala dinner	
Thursday, July 5	

10:30-11:3	30 Invited speaker: Manuel Úbeda-Flores Title: Constructing Copulas with Given Diagonal and Opposite Diagonal Sections Chair: Ana Pérez
11:30-12:0	00 Coffee break
12:00-13:0	 00 Session 9: Mathematical aspects II. Chair: Miguel Martínez-Panero An Alexandroff Topology Obtained from Uninorms Tuncay Köroğlu and Funda Karaçal Some Properties of the Equivalence Relations Induced by the U-Partial Orders M. Nesibe Kesicioğlu, Ümit Ertuğrul and Funda Karaçal
13:3	30 Lunch