Monday, July 2

10:00 Registration
10:15 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

12:00–13:00 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

15:30–17:00 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 Minimality
  Radomír Haláš, Radko Mesiar and Jozef Pócs
- A Note on Generating Sets for Aggregation Clones on Finite Lattices
  Radomír Haláš, Radko Mesiar and Jozef Pócs

17:00–17:30 Coffee break

17:30–18:30 Session 3: New directions I. Chair: Salvatore Greco
- Extending Aggregation Functions forUndefined 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-Making*
     Yeawon Yoo and Adolfo R. Escobedo
   - *F-transform with Undefined Inputs*
     Martina Danková

13:30 Lunch

16:00–17:30 **Session 8: Aggregation of Qualitative and Quantitative Information.** Chair: Manuel 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

10:30–11:30 Invited speaker: **Manuel Úbeda-Flores**
   Title: *Constructing Copulas with Given Diagonal and Opposite Diagonal Sections*
   Chair: Ana Pérez

11:30–12:00 Coffee break

12:00–13:00 **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, Umit Ertuğrul and Funda Karaçal

13:30 Lunch