Special Sessions

S1: Representation and Approximation of Fuzzy Numbers and Applications
Organizers:
>   *Luciano Stefanini (University of Urbino, Italy)*
>   *Przemysław Grzegorzewski (Polish Academy of Sciences, Poland)*

S2: From Business Intelligence to Business Artificial Intelligence: New Challenges for Intelligent Systems
Organizers:
>   *Alberto Bugarín (University of Santiago de Compostela, Spain)*
>   *Manuel Lama (University of Santiago de Compostela, Spain)*

S3: Evolutionary Multiobjective Optimization—Design and Applications (EMODA)
Organizers:
>   *Crina Grosan (Babes-Bolya Univestity, Romania)*
>   *Ajith Abraham (Norwegian University of Science and Technology, Norway)*

S4: Designing Comprehensible Intelligent Systems
Organizers:
>   *Ciro Castiello (University of Bari, Italy)*
>   *Francesco Marcelloni (University of Pisa, Italy)*
>   *Corrado Mencar (University of Bari, Italy)*

S5: Computational Intelligence in Business Management and Risk Analysis
Organizers:
>   *Davide Aloini (University of Pisa, Italy)*
>   *Mario G.C.A. Cimino (University of Pisa, Italy)*
>   *Riccardo Dulmin (University of Pisa, Italy)*
>   *Beatrice Lazzerini (University of Pisa, Italy)*
>   *Valeria Mininno (University of Pisa, Italy)*

S6: Hybrid Metaheuristics and Their Applications
Organizers:
>   *Pedro Isasi (University Carlos III, Spain)*

S7: Education and Learning Models, Applications and Solutions
Organizers:
>   *Silvio Bortoleto (University Positivo, Brazil)*
>   *Katia Bortoleto (University Positivo, Brazil)*

S8: Intelligent E-Learning Systems
Organizers:
Norazah Yusof (Universiti Teknologi, Malaysia)
Nor Bahiah Hj. Ahmad (Universiti Teknologi, Malaysia)
Ajith Abraham (Norwegian University of Science and Technology, Norway)

S9: Intelligent Systems for Industrial Processes
Organizers:
Leonardo Reyneri (Politecnico di Torino, Italy)
Valentina Colla (Scuola Superiore Sant'Anna, Italy)

S10: Intelligent Systems and Data Mining Techniques for Bioinformatics
Organizers:
Alicia Troncoso (University of Seville, Spain)
Raúl Giráldez (University of Seville, Spain)
Roberto Ruiz (University of Seville, Spain)

S11: Bioinspired and Evolutionary Computation Based Data Mining Techniques
Organizers:
María José del Jesus (University of Jaen, Spain)
José A. Gámez (University of Castilla-La Mancha, Spain)
José M. Puerta (University of Castilla-La Mancha, Spain)