

7th International Conference on Soft Methods in Probability and Statistics - SMPS 2014

	Monday, Sept. 22, 2014	Tuesday, Sept. 23, 2014	Wednesday, Sept. 24, 2014
8:30 – 9:00	Opening Ceremony		
9:00 – 10:00	Session M1	Session T1	Session W1
10:00 – 10:30	Coffee Break	Coffee Break	Coffee Break
10:30 – 10:50	Session M2	Session T2	Session W2
10:50 – 11:10			
11:10 – 11:30	Coffee Break	Coffee Break	Coffee Break
11:30 – 12:00			
12:00 – 12:20	Session M3	Session T3	Session W3
12:20 – 12:40			
12:40 – 13:00			
13:00 – 14:30	Lunch	Lunch	Lunch
14:30 – 14:50	Session M4	Social Program	Session W4
14:50 – 15:10			
15:10 – 15:30			
15:30 – 15:50	Coffee Break		Coffee Break
15:50 – 16:20			
16:20 – 16:40	Session M5	Gala Dinner	Session W5
16:40 – 17:00			
17:00 – 17:20			
17:20 – 17:40			Closing Ceremony

Monday, Sept. 22, 2014

8:45	–	9:00	Opening ceremony
9:00	–	10:00	Session M1 - plenary lecture: <i>chair María Ángeles Gil</i> Learning from Imprecise and Fuzzy Data: On the Notion of Data Disambiguation <i>Eyke Hüllermeier</i>
10:00	–	10:30	Coffee break
			Session M2: <i>chair Fabrizio Durante</i>
10:30	–	10:50	Deciding under Ignorance: In Search of Meaningful Extensions of the Hurwicz Criterion to Decision Trees <i>Didier Dubois, Hélène Fargier, Romain Guillaume, Caroline Thierry</i>
10:50	–	11:10	Comparison of Fuzzy and Crisp Random Variables by Monte Carlo Simulations <i>Olgierd Hryniewicz</i>
11:10	–	11:30	Stochastic Orders for Fuzzy Random Variables <i>Ignacio Montes, Enrique Miranda, Susana Montes</i>
11:30	–	12:00	Coffee break
			Session M3: <i>chair Piotr Jaworski</i>
12:00	–	12:20	Lasso Estimation of an Interval-Valued Multiple Regression Model <i>Marta García Bárzana, Ana Colubi, Erricos John Kontoghiorghes</i>
12:20	–	12:40	A Bootstrap Factorial ANOVA for Random Intervals <i>Angela Blanco-Fernández, T. Warren Liao</i>
12:40	–	13:00	Estimation of A Simple Multivariate Linear Model for Fuzzy Random Sets <i>Dabuxilatu Wang, Miao Shi</i>
13:00	–	14:30	Lunch
			Session M4: <i>chair Rudolf Kruse</i>
14:30	–	14:50	An Approximation to the Small Sample Distribution of the Trimmed Mean for Gaussian Mixture Models <i>Alfonso García-Pérez</i>
14:50	–	15:10	The Wabl/Ldev/Rdev Median of a Random Fuzzy Number and Statistical Properties <i>Beatriz Sinova, Sonia Pérez-Fernández, Manuel Montenegro</i>
15:10	–	15:30	On the Robustness of Absolute Deviations with Fuzzy Data <i>Sara de la Rosa de Súa, Peter Filzmoser, María Ángeles Gil, María Asunción Lubiano</i>
15:30	–	15:50	Empirical Sensitivity Analysis on the Influence of the Shape of Fuzzy Data on the Estimation of Some Statistical Measures <i>María Asunción Lubiano, Sara de la Rosa de Súa, Beatriz Sinova, María Ángeles Gil</i>
15:50	–	16:20	Coffee break
			Session M5: <i>chair Barbara Vantaggi</i>
16:20	–	16:40	A New Definition of Evaluation/Defuzzification of an Interval Type-2 Fuzzy Set <i>Luca Anzilli, Gisella Facchinetti, Tommaso Pirotti</i>
16:40	–	17:00	Connecting Interval-Valued Fuzzy Sets with Imprecise Probabilities <i>Ignacio Montes, Enrique Miranda, Susana Montes</i>
17:00	–	17:20	On Incomplete Label Ranking with IF-sets <i>Paweł P. Ładyżyński and Przemysław Grzegorzewski</i>
17:20	–	17:40	On the Continuity of Probability on IF Sets <i>Beloslav Riečan, Alžbeta Michalíková</i>

Tuesday, Sept. 23, 2014

9:00 – 10:00	Session T1 - plenary lecture: <i>chair Janusz Kacprzyk</i> Fuzzy tests for crisp parameters vs crisp tests for fuzzy parameters <i>Inés Couso</i>
10:00 – 10:30	Coffee break
	Session T2: <i>chair Eyke Hüllermeier</i>
10:30 – 10:50	Cluster Analysis of Time Series via Kendall Distribution <i>Fabrizio Durante, Roberta Pappadà</i>
10:50 – 11:10	Connectedness Measures of Spatial Contagion in the Banking and Insurance Sector <i>Fabrizio Durante, Enrico Foscolo, Piotr Jaworski, and Hao Wang</i>
11:10 – 11:30	Fuzzy Double Clustering: A Robust Proposal <i>Maria Brigida Ferraro, Maurizio Vichi</i>
11:30 – 12:00	Coffee break
	Session T3: <i>chair Beloslav Riečan</i>
12:00 – 12:20	Chi-square Test for Homogeneity with Fuzzy Data <i>Przemysław Grzegorzewski and Hubert Szymanowski</i>
12:20 – 12:40	On Comparison of Distorted Histograms <i>Alexander Lepskiy</i>
12:40 – 13:00	The Fuzzy Representation of Prior Information for Separating Outliers in Statistical Experiments <i>Dmitry A. Matsypaev, Andrey G. Bronevich</i>
13:00 – 14:30	Lunch
	Social program
	Gala dinner

Wednesday, Sept. 24, 2014

9:00 – 10:00	Session W1 - plenary lecture: <i>chair Olgierd Hryniewicz</i> Winning probabilities: paradoxes and metaphors <i>Bernard de Baets</i>
10:00 – 10:30	Coffee break
	Session W2: <i>chair Martin Štěpnička</i>
10:30 – 10:50	Bayesian Updating under Incomplete or Imprecise Information in Finite Spaces <i>Giulianella Coletti, Davide Petturiti, Barbara Vantaggi</i>
10:50 – 11:10	Forecasting Short Time Series with the Bayesian Autoregression and the Soft Computing Prior Information <i>Olgierd Hryniewicz, Katarzyna Kaczmarek</i>
11:10 – 11:30	Learning Structure of Bayesian Networks by Using Possibilistic Upper Entropy <i>Mathieu Serrurier, Henri Prade</i>
11:30 – 12:00	Coffee break
	Session W3: <i>chair Inés Couso</i>
12:00 – 12:20	Interval Compositional Data: Problems and Possibilities <i>Ondřej Pavlačka, Karel Hron</i>
12:20 – 12:40	Sugeno Integral-Based Confidence Intervals for the Theoretical h-index <i>Marek Gagolewski</i>
12:40 – 13:00	Similarity Test for the Expectation of a Random Interval and a Fixed Interval <i>Ana Belén Ramos-Guajardo</i>
13:00 – 14:30	Lunch
	Session W4: <i>chair Maria Brigida Ferraro</i>
14:30 – 14:50	Using Changes in Distribution to Identify Synchronized Point Processes <i>Christian Braune, Stephan Besecke, Rudolf Kruse</i>
14:50 – 15:10	Life Measure for Fuzzy Association Rules <i>Michal Burda</i>
15:10 – 15:30	Fuzzy Rule-Based Ensemble for Time Series Prediction: Progresses with Associations Mining <i>Michal Burda, Martin Štěpnička, Lenka Štěpničková</i>
15:30 – 15:50	The Role of a T-norm and Partitioning in Fuzzy Association Analysis <i>Jiří Kupka, Pavel Rusnok</i>
15:50 – 16:20	Coffee break
	Session W5: <i>chair Bernard de Baets</i>
16:20 – 16:40	Multistage Fuzzy Control of a Stochastic System Using a Bacterial Genetic Algorithm <i>Janusz Kacprzyk</i>
16:40 – 17:00	On Fuzzy Equations with 2×2 Matrices <i>Martin Bacovský</i>
17:00 – 17:20	Fuzzy and Set-Valued Stochastic Differential Equations with Solutions of Decreasing Fuzziness <i>Marek T. Malinowski</i>
17:20 – 17:40	Closing ceremony