LINZ 2011

32nd Linz Seminar on Fuzzy Set Theory

Decision Theory: Qualitative and Quantitative Approaches

Bildungszentrum St. Magdalena, Linz, Austria
February 1 - 5, 2011

Program

Tuesday, February 1, 2011

09:00–09:15 am	*Opening*
09:15–10:15 am	S. GRECO: *Generalizing again the Choquet integral: the profile dependent Choquet integral*
10:15–10:45 am	D. DUBOIS: *Lexicographic refinements of fuzzy measures, Sugeno integrals and qualitative bipolar decision criteria*
	10:45 am Coffee break
11:15–11:45 am	M. COUCEIRO, J.-L. MARICHAL: *On three properties of the discrete Choquet integral*
11:45–12:15 pm	U. FAIGLE, M. GRABISCH: *A discrete Choquet integral for ordered systems*
12:15–12:45 pm	M. TIMONIN: *Resource allocation problems in hierarchical models based on multistep Choquet integrals*
	12:45 pm Lunch
02:30–03:30 pm	R. VAN DEN BRINK: *Cooperative games with a hierarchically structured player set*
03:30–04:00 pm	N. SAGARA: *Superlinear extensions of exact games on sigma-algebras. A probabilistic representation*
	04:00 pm Coffee break
04:30–05:00 pm	J.-L. MARICHAL, P. MATHONET: *Weighted Banzhaf power and interaction indexes through weighted approximations of games*
05:00–05:30 pm	W. SANDER: *Interaction indices revisited*
05:30–06:00 pm	B. LLAMAZARES, P. PÉREZ-ASURMENDI, J.L. GARCÍA-LAPRESTA: *Collective transitivity in majorities based on difference in support*

Wednesday, February 2, 2011

09:00–10:00 am	E. LEHRER: *Concave integrals for capacities and its applications*
10:00–10:30 am	E. PAP: *Min-product semiring of transition bistochastic matrices and mobility measures in social sciences*
	10:30 am Coffee break
11:00–11:30 am	T. VETTERLEIN: *Logics for arguing pro and contra*
11:30–12:00 am	J. HARDING, C. WALKER, E. WALKER: *Bichains*
12:00–12:30 pm	Z. DARÓCZY, J. DASCĂL: *Weighted quasi-arithmetic means as conjugate means*
	12:30 pm Lunch
02:30-03:00 pm	H. BUSTINCE, J. FERNANDEZ, E. BARRENECHEA, R. MESIAR: *Overlap functions, ignorance functions and bi-entropic functions in pairwise comparison*
03:00-03:30 pm	H. BUSTINCE, M. PAGOLA, R. MESIAR, E. HÜLLERMEIER, F. HERRERA: *Grouping functions for fuzzy modeling of pairwise comparisons*
03:30-04:00 pm	R. MESIAR, M. KOMORNÍKOVÁ: *Local and global classification of aggregation functions*
	04:00 pm Coffee break
04:30-05:00 pm	M. COUCEIRO, E. LEHTONEN, T. WALDHAUSER: *On the arity gap of aggregation functions*
05:00-06:00 pm	ROUND TABLE 1: S*ymbolic vs. numerical representation of preference and decision criteria*

Thursday, February 3, 2011

09:00–10:00 am	Z. AOUANI, A. CHATEAUNEUF: *Impatience and myopia through belief functions*
10:00–10:30 am	M. TAKÁCS: *Soft computing-based risk management – fuzzy, multilevel structured decision making*
	10:30 am Coffee break
11:00-11:30 am	F. DURANTE: *Ordinal sums and shuffles of copulas*
11:30–12:00 am	F. SPIZZICHINO: *Relations between risk aversion and notions of ageing: use of semi-copulas*
	12:00 am Lunch
01:30 pm	Beginning of the Social Program: Trip to Gmunden

Friday, February 4, 2011

09:00–10:00 am	M. PIRLOT : *Conjoint measurement and valued relations*
10:00–10:30 am	E. INDURAIN, D. MARTINETTI, S. MONTES, S. DÍAZ: *Open questions concerning different kinds of fuzzy orderings*
	10:30 am Coffee break
11:00-11:35 am	S. GOTTWALD: *Local and relativized local finiteness in t-norm-based structures*
11:30–12:00 am	J. IGNJATOVIĆ, M. ĆIRIĆ, N. DAMLJANOVIĆ: *Weakly linear systems of fuzzy relation inequalities and equations*
12:00–12:30 pm	J. DOMBI: *Multiplicative utility function and fuzzy operators*
	12:30 pm Lunch
02:30-03:30 pm	B. DE BAETS: *The God-Einstein-Oppenheimer dice puzzle*
03:30-04:00 pm	N. DAMLJANOVIĆ, M. ĆIRIĆ, J. IGNJATOVIĆ: *Multivalued relations over lattices and semirings and their applications*
	04:00 pm Coffee break
04:30-05:30 pm	ROUND TABLE 2: *Where do we stand on preference modeling with valued relations?*

Saturday, February 5, 2011

09:00–09:30 am	J.T. DENNISTON, A. MELTON, S.E. RODABAUGH: *Formal Concept Analysis and lattice-valued interchange systems*
09:30–10:00 am	S. SOLOVJOVS: *Variable-basis categorically-algebraic dualities*
	10:00 am Coffee break
10:30-11:00 am	M. ĆIRIĆ, J. IGNJATOVIĆ, A. STAMENKOVIĆ: *Different models of fuzzy automata and their applications*
11:00–11:30 am	M. STEHLÍK, I. VAJDA: *Why it is important to make decompositions of information divergences?*
11:30–11:45 pm	Closing
	12:00 am Lunch