

LINZ
2001

22nd Linz Seminar on Fuzzy Set Theory
**VALUED RELATIONS AND CAPACITIES
IN DECISION THEORY**

Bildungszentrum St. Magdalena, Linz, Austria
February 6 – 10, 2001

PROGRAM

Tuesday, February 6, 2001

9.00-10.15

J. Fodor: *Quaternary fuzzy relations in preference modelling*

10.45-11.30

U. Bodenhofer, F. Klawonn: *Linearity axioms for fuzzy orderings: concepts, properties, and difficulties*

11.30-12.15

J. Dombi: *Comparability measure*

14.00-14.45

T. Calvo, R. Mesiar: *Weighted triangular conorms*

14.45-15.30

R. Sabbadin: *Possibilistic Markov decision processes*

16.00-16.45

E.P. Klement, R. Mesiar, E. Pap: *(S,U)-integral-based aggregation operators*

16.45-17.15

J. González-Pachón, D. Gómez, J. Montero, J. Yáñez: *Generalized dimension function*

Wednesday, February 7, 2001

9.00-10.15

I. Gilboa, D. Schmeidler: *Inductive inference: an axiomatic approach*

10.45-11.30

M.R. Simonelli: *The scheme of fuzzy dominance*

11.30-12.15

R.A. Marques Pereira, S. Bortot: *Consensual dynamics, stochastic matrices, Choquet measures, and Shapley aggregation*

14.00-15.15

A. Chateauneuf, J.-M. Tallon: *Diversification, convex preferences and non-empty core in the Choquet expected utility model*

15.15-16.00

H. Prade: *Refinements of minimum-based ordering in between discrim and leximin*

16.30-17.15

D. Dubois, H. Fargier, P. Perny, H. Prade: *On concordance rules based on non-additive measures: an axiomatic approach*

Thursday, February 8, 2001

9.00-10.15

P.P. Wakker: *The Choquet integral versus the Sipos integral, Choquet expected utility versus prospect theory, and concave/convex versus cavex measures: three logically independent, but practically related, debates*

10.45-11.30

E. Pap: *Decision making based on hybrid probability-possibility measure*

11.30-12.15

D. Dubois: *Pareto-optimality and qualitative aggregation structures*

Friday, February 9, 2001

9.00-10.15

M. Grabisch: *Symmetric and asymmetric Sugeno integrals*

10.45-11.30

S. Greco, B. Matarazzo, R. Slowinski: *Sugeno integral and decision rule representation for multicriteria sorting problems and decisions under risk*

11.30-12.15

R. Bisdorff: *Semiotical foundation of multicriteria preference aggregation*

14.00-14.45

J.-L. Marichal, M. Roubens: *On a sorting procedure in the presence of qualitative interacting points of view*

14.45-15.30

C. Labreuche, M. Grabisch: *How to improve the score of an act in MCDM? Application to the Choquet integral*

16.00-16.45

Round Table: *Non-classical decision theory*

Saturday, February 10, 2001

9.00-10.15

H. Nurmi: *Monotonicity and its cognates in the theory of choice*

10.15-11.00

M. Oussalah: *Investigation of fuzzy equilibrium relations in decision making*

11.30-12.15

W. Sander: *Games with fuzzy coalitions*

12.15-13.00

D. Butnariu, E.P. Klement: *On some mathematical problems in the theory of fuzzy sets*