PROGRAM

**Tuesday, February 3, 2004**

09:00–10.00 am G. LITVINOV: *Dequantization of mathematics, idempotent semirings and fuzzy sets*

10:00–10:30 am D. DUBOIS, H. PRADE, P. SMETS: *A definition of subjective possibility*

10:30 am Coffee Break

11:00–11:30 am J.-L. MARICHAL: *k-intolerant capacities and Choquet integrals*

11:30–12:00 am P. MEYER, M. ROUBENS: *Ordinal sorting in the presence of interacting points of view: TOMASO*

12:00–12:30 pm R. A. MARQUES PEREIRA, S. BORTOT: *Choquet measures, Shapley values, and inconsistent pairwise comparison matrices: an extension of Saaty’s A.H.P.*

12:30 pm Lunch

02:30–03:30 pm P. HAJEK: *Fuzzy predicate logic – a survey*

03:30–04:00 pm S. GOTTWALD: *Fuzzy relation equations and fuzzy control – some old and some new ideas*

04:00 pm Coffee Break

04:30–05:00 pm I. PERFILIEVA: *Solvability and approximate solvability of a system of fuzzy relation equations from functional point of view*

05:00–05:30 pm V. NOVAK: *The logic and algebra of fuzzy if-then rules*

05:30–06:00 pm P. VOJTAS: *Fuzzy deductive and inductive systems with similarity based unification*

**Wednesday, February 4, 2004**

09:00–10:00 am E. P. KLEMENT, R. MESIAR, E. PAP: *Triangular norms as special semigroups*

10:00–10:30 am B. DE BAETS, H. DE MEYER: *Stable commutative copulas in pairwise comparison models*

10:30 am Coffee Break

11:00–11:30 am K. MAES, B. DE BAETS: *De Morgan triplets in the theory of fuzzified normal forms*

11:30–12:00 am A. KOLESAROVA: *A characterization and composition of quasi-copulas*

12:00–12:30 pm D. DUBOIS, H. PRADE: *On different ways of ordering conjoint evaluations*

12:30 pm Lunch

02:30–03:30 pm S. E. RODABAUGH: *Point-set lattice-theoretic (poslat) topology: A (partly) categorical perspective*

03:30–04:00 pm A. SOSTAK: *On many-valued topologies on L-powersets of many-valued sets*

04:00 pm Coffee Break

04:30–05:00 pm A. FRASCELLA, C. GUIDO: *Structured lattices and ground categories of L-sets*

05:00–05:30 pm T. KUBIAK: *Semicontinuous L-real valued functions*

05:30–06:00 pm J. M. BARONE: *Fuzzy filter functors revisited: A 2-categorical overview*
Thursday, February 5, 2004

09:00–10:30 am  U. Höhle: Fuzzy sets and sheaves

11:00–11:30 am  L. N. Stout: A categorical fabric for fuzzy predicate logic

11:30–12:00 am  J. Gutierrez García: Order-reversing involutions and residuated lattices

12:00 am Lunch

01:30–7:00 pm  EXCURSION: voestalpine, Lentos

08:00 pm Dinner

Friday, February 6, 2004

09:00–10:00 am  M. A. Gil: Fuzzy random variables: Development and state of the art

10:00–10:30 am  V. Krätschmer: Integrals of random fuzzy sets

11:00–11:30 am  R. Scozzafava: A bridge between fuzzy set theory and coherent conditional probabilities (I)

11:30–12:00 am  G. Coletti: A bridge between fuzzy set theory and coherent conditional probabilities (II)

12:00–12:30 pm  T. Kroupa: Copulas and characterization of T-product possibility measures

12:30–01:00 pm  J. Kortelainen: Modifying L-sets: Two views based on level-sets

01:00 pm Lunch

02:30–03:30 pm  M. Navara, P. Pták: Regular measures on tribes of fuzzy sets

03:30–04:00 pm  M. Grabisch: Capacities on lattices

04:00 pm Coffee Break

04:30–05:00 pm  A. Di Nola, B. Gerla: MV-algebras and semirings

05:00–05:30 pm  M. Kalina, O. Nanasiova: Joint distributions on MV-algebras as interactions of fuzzy events

05:30–06:00 pm  P. Kukurainen: Topological locally finite MV-algebra and the Riemann surface

Saturday, February 7, 2004

09:00–09:30 am  J. K. Mattila: Construction of compositional modifiers generated by n-ary functions

09:30–10:00 am  F. Klawonn: The concept of independence in the context of similarity relations

10:00–10:30 am  U. Bodenhofer, B. De Baets, J. Fodor: A review of construction and representation results for fuzzy weak orders

10:30 am Coffee Break

11:00–11:30 am  M. Shimoda: Fuzzy group in a natural interpretation

11:30–12:00 am  R. Bisdorff: On a natural fuzzification of Boolean logic

12:00–12:30 pm  M. Demirci: Vague ordered fields: Towards an axiomatic theory of vague real line

12:30–01:00 pm  M. Takacs: Residuum-based approximate reasoning with distance-based uninorms

01:00 pm Lunch