LINZ 2003

24th Linz Seminar on Fuzzy Set Theory
TRIANGULAR NORMS AND RELATED OPERATORS IN MANY-VALUED LOGICS
Bildungszentrum St. Magdalena, Linz, Austria
February 4 – 8, 2003

Program

Tuesday, February 4, 2003

9:00 am – 10:00 am

Enric Trillas, *Ten years later: lessons from a polemics*

10:30 am – 12:30 am

Siegfried Gottwald*, Universes of fuzzy sets - A survey of the different approaches*
Petr Hájek*, Embedding standard BL-algebras into non-commutative pseudo-BL-algebras*
Ulrich Höhle*, Group-like structures on M-valued sets*

3:00 pm – 4:30 pm

Sándor Jenei, *How to construct left-continuous triangular norms – state of the art 2002*
Wladislaw Homenda, *Triangular norms, uni- and nullnorms, balanced norms: the cases of the hierarchy of iterative operators*

5:00 pm – 6:00 pm

Andrea Mesiarová*, Triangular subnorms and residual implications*
Peter Viceník, *Generalizations of some constructions of triangular norms*

Wednesday, February 5, 2003

9:00 am – 10:30 am

János C. Fodor, Bernard De Baets, Tomasa Calvo*, Structure of uninorms with given continuous underlying t-norms and t-conorms*
Glad Deschrijver, Etienne E. Kerre*, The residuation principle for intuitionistic fuzzy t-norms*

11.00 am – 12:30 am

Michal Baczynski*, On the characterizations of intuitionistic fuzzy implications*
Carol L. Walker, Elbert A. Walker*, T-norms on fuzzy sets of type-2*
Adrian I. Ban*, Defects of properties of the triangular norms*

3:00 pm – 4:30 pm

Roberto Ghiselli Ricci*, Finitely and absolutely non idempotent aggregation operators*
Gleb Beliakov*, Fitting aggregation operators to data*
Sándor Jenei, *Recent results on rotation and rotation-annihilation: symmetrization and compensative operators*

5:00 pm – 6:00 pm

Susanne Saminger*, Special operators dominating continuous Archimedean t-norms*
Gaspar Mayor, Joan Torrens*, T-norms on countable bounded chains*

Thursday, February 6, 2003

9:00 am – 10:00 am

Roger B. Nelsen, *Copulas: An introduction to their properties and applications*

10:30 am – 12:30 am

Erich Peter Klement, Radko Mesiar, Endre Pap*, Copulas: uniform approximation, invariance, and applications in aggregation*

Bernard De Baets*, T-norms and copulas in fuzzy preference modelling*

Hans De Meyer*, The role of copulas in discrete and continuous dice models*

2:15 pm – 10:00 pm

Excursion to St. Florian

Friday, February 7, 2003

9:00 am – 10:30 am

Vilém Novák*, On fuzzy type theory*

Guram Bezhanishvili, Mai Gehrke, John Harding, Carol L. Walker, Elbert A. Walker*, Varieties generated by t-norms*

11:00 am – 12:30 am

Hélène Fargier, Régis Sabbadin*, Additive refinements of qualitative decision criteria. Part I: Possibilistic preference functionals*

Didier Dubois, Hélène Fargier, Régis Sabbadin*, Additive refinements of qualitative decision criteria. Part II: Sugeno integral*

Ulrich Bodenhofer*, Applications of fuzzy orderings: an overview*

3:00 pm – 4:00 pm

Irina Perfilieva, Siegfried Gottwald*, Fuzzy function as a solution to a system of fuzzy relation equations*

Irina Georgescu*, Compatible extensions of fuzzy relations*

4:30 pm – 6:00 pm

Round Table – Open Problems Session

Saturday, February 8, 2003

9:00 am – 10:30 am

Michel Grabisch*, Aggregation on bounded bipolar scales*

Wolfgang Sander, Jens Siedekum*, Addition, multiplication and distributivity*

11:00 am – 12:00 am

Márta Takács*, Decision-making in fuzzy logic control with degree of coincidence*

Mirko Navara, Pavel Pták*, Convex structure of the space of fuzzy measures*