LINZ 2000

21st Linz Seminar on Fuzzy Set Theory

MATHEMATICAL ASPECTS OF NON-CLASSICAL LOGICS AND FUZZY INFERENCE

Bildungszentrum St. Magdalena, Linz, Austria
June 13 – 17, 2000

PROGRAM

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Siegfried Weber

Tuesday, June 13, 2000

9:00 am – 10:30 am
OPENING of the Seminar
E. P. KLEMENT: Triangular norms: what they are and what they are good for

11:00 am – 12:00 am
B. BOUCHON-MEUNIER, R. MESIAR: Compositional rule of inference as generalized modus ponens

2:00 pm – 4:00 pm
S. JENEI: A new approach for interpolation and extrapolation of compact fuzzy quantities - the one-dimensional case
L. T. KÓCZY: Hierarchical fuzzy rule bases and interpolation

4:30 pm – 5:30 pm
J. DOMBI: Inference models

Wednesday, June 14, 2000

9:00 am – 10:30 am
G. REYES: A double dualization in categorical logic and some of its applications

11:00 am – 12:00 am
D. DUBOIS: Fuzzy sets and non-monotonic reasoning: the possibilistic connection

2:00 pm – 4:00 pm
L. N. STOUT: Properties of the lattice change functor
P. EKLUND: Monad compositions and generalized terms

4:30 pm – 5:30 pm
ROUNDTABLE Triangular Norms

Thursday, June 15, 2000

9:00 am – 10:30 am
P. HÁJEK: Fuzzy t-norm predicate logic is hard

11:00 am – 12:00 am
M. SHIMODA: Fuzzy sets in a Heyting valued model

2:00 pm – 10:00 pm
EXCURSION to Gmunden and Traunkirchen (including dinner)

Friday, June 16, 2000

9:00 am – 10:30 am
M. GEHRKE: Normal forms for fuzzy logic

11:00 am – 12:00 am
U. BODENHOFER, M. DE COCK, E. KERRE: Opening and closure operators of fuzzy relations: basic properties and applications to fuzzy rule-based systems

2:00 pm – 4:00 pm
M. GEHRKE, C. WALKER, E. WALKER: Inequalities in strict De Morgan systems
F. KLAWONN: Fuzzy control and fuzzy functions

4:30 pm – 5:30 pm
ROUNDTABLE Open Problems I

Saturday, June 17, 2000

9:00 am – 10:30 am
S. GOTTWALD: Axiomatizing t-norm-based many-valued logics

11:00 am – 12:00 am
J. M. BARONE: A bicategorical view of M-valued sets

2:00 pm – 3:00 pm
ROUNDTABLE Open Problems II
CLOSING of the Seminar