LINZ 2010

31st Linz Seminar on Fuzzy Set Theory

Lattice-Valued Logic and its Applications

Bildungszentrum St. Magdalena, Linz, Austria February 9 - 13, 2010

PROGRAM

Monday, February 8, 2010

19:00-22:00 *Get together*

Tuesday, February 9, 2010

09:00-10:00	Nikolaos Galatos Residuated lattices with applications to logic
10:00-10:30	Rostislav Horčík Cancellative residuated lattices arising on 2-generated submonoids of natural numbers
10:30-11:00	Coffee break
11:00-11:30	Sándor Jenei On the structural description of involutive FL _e -algebras
11:30-12:00	Yoshihiro Maruyama Fuzzy topology and Łukasiewicz logics from the viewpoint of duality theory
12:00-12:30	Debajit Hazarika, D. K. Mitra On some generalized <i>L</i> -valued uniform structure
12:30-13:30	Lunch
14:30-16:00	Ulrich Höhle Quantaloids as categorical basis for many valued mathematics
16:00-16:30	Coffee break
16:30-17:00	Sergejs Solovjovs Powerset operator foundations for categorically-algebraic fuzzy set theories
17:00-17:30	Jeffrey T. Denniston, Austin Melton, Stephen E. Rodabaugh Lattice-valued predicate transformers and interchange systems

Wednesday, February 10, 2010

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Thursday, February 11, 2010		
09:00-10:00	Radim Belohlavek Matrices over residuated lattices, related structures, and applications	
10:00-10:30	Irina Perfilieva Galois connections in semilinear spaces	
10:30-11:00	Coffee break	
11:00-11:30	Rastislav Potocký, Milan Stehlík On convergences of lattice valued random elements with applications	
11:30-12:00	Funda Karacal, M. Nesibe Kesicioğlu T-Actions on Bounded Lattices	
12:30-13:30	Lunch	
14:30-22:00	Excursion to Kremsmünster, Seminar Dinner	
Friday, February 12, 2010		
09:00-10:00	Francesc Esteva Modalities and many-valued: modelling uncertainty measures and similarity-based reasoning and application to fuzzy description logics	
10:00-10:30	Marco Cerami, Francesc Esteva, Félix Bou Decidability of some problems in a description logic over infinite-valued product logic	
10:30-11:00	Coffee break	
11:00-11:30	Didier Dubois, János Fodor, Henri Prade Conditional measures: An alternative to Cox functional equation	
11:30-12:15	Siegfried Weber Measure-free conditioning in MV-chains and additive measures	
12:30-13:30	Lunch	
14:30-15:30	Joseph Y. Halpern Intransitivity and vagueness	
15:30-16:00	Thomas Vetterlein Possibilistic logic for graded properties	
16:00-16:30	Coffee break	
16:30-17:00	Bart Van Gasse, Chris Cornelis, Glad Deschrijver, Etienne Kerre Interval-valued logics	
17:00-18:00	Round table II	
Saturday, February 13, 2010		
09:00-10:00	Christian G. Fermüller Vagueness and degrees of truth: Scenes from a troubled marriage	
10:00-10:30	João Marcos The value of the two values	
10:30-11:00	Coffee break	
11:00-11:30	Petr Hájek Mathematical fuzzy logic and axiomatic arithmetic	
11:30-12:00	Matthias Baaz, Oliver Fasching The impact of adding a constant	
12:30-13:30	Lunch	