LINZ 2012

33rd Linz Seminar on Fuzzy Set Theory

Enriched Category Theory and Related Topics

Bildungszentrum St. Magdalena, Linz, Austria
February 14 - 18, 2012

Preliminary Program

Tuesday, February 14, 2012

09:00–09:15 am	*Opening*
09:15–10:30 am	I. STUBBE: *Quantaloid-enriched categories for multi-valued logic and other purposes*
10:30–11:00 am	Coffee break
11:00–12:00 pm	J. HARDING, C. WALKER, E. WALKER: *Categories of fuzzy sets and relations*
12:00–02:00 pm	Lunch
02:00–03:30 pm	H. HEYMANS: *Sheaves on involutive quantales: Grothendieck quantales*
03:30–04:00 pm	Coffee break
04:00–05:00 pm	N. GALATOS, J. GIL-FÉREZ: *Closure operators on modules over quantaloids: Applications to algebraic logic*
05:00–06:00 pm	ROUND TABLE: *Enriched category theory and non-classical logics*

Wednesday, February 15, 2012

09:00–10:30 am	D. ZHANG: *Quantale-valued preorders as enriched categories*
10:30–11:00 am	Coffee break
11:00-11:45 am	H. LAI, D. ZHANG: *Globalization of Cauchy complete preordered sets valued in a divisible quantale*
11:45–12:30 pm	Y. YUE: *Convergence and compactness in fuzzy metric spaces*
12:30–02:00 pm	Lunch
02:00–03:30 pm	U. HÖHLE: *Topology based on premultiplicative quantaloids: A common base for many-valued and non-commutative topology*
03:30–04:00 pm	Coffee break
04:00–05:00 pm	J. T. DENNISTON, A. MELTON, S. E. RODABAUGH: *Enriched topological systems and variable-basis enriched functors*
05:00–06:00 pm	ROUND TABLE: *Enriched category theory and many-valued topology*

Thursday, February 16, 2012

09:00–10:30 am	S. MATTHEWS, M. BUKATIN, R. KOPPERMAN: *Discrete partial metric spaces*
10:30–11:00 am	Coffee break
11:00-11:45 am	M. BUKATIN, R. KOPPERMAN, S. MATTHEWS: *On the nature of correspondence between partial metrics and fuzzy equalities*
11:45–12:30 pm	M. STEHLÍK: *Category theory in statistical learning?*
12:30–02:00 pm	Lunch
02:00–06:00 pm	"On the traces of Johannes Kepler in Linz"
07:00– ??? pm	Conference Dinner (Bildungszentrum St. Magdalena)

Friday, February 17, 2012

09:00–09:45 am	P. EKLUND, M. A. GALÁN, R. HELGESSON, J. KORTELAINEN: *Ontology < logic or ontology = logic?*
09:45–10:30 am	F.-G. SHI, B. PANG: *Categories isomorphic to L-fuzzy closure system spaces*
10:30–11:00 am	Coffee break
11:00–11:45 am	A. ŠOSTAK: *Variable range categories of approximate systems*
11:30–12:30 pm	M. DEMIRCI: *A Stone-type adjunction for fixed-basis fuzzy topological spaces in abstract categories and its applications*
12:30–02:30 pm	Lunch
02:30–03:30 pm	E. P. KLEMENT, A. KOLESÁROVA, R. MESIAR, A. STUPŇANOVA: *Level dependent capacities and integrals*
03:30–04:00 pm	Coffee break
04:00–05:00 pm	S. JENEI, F. MONTAGNA: *Two new classification theorems on residuated monoids*
05:00–06:00 pm	ROUND TABLE: *Enriched category theory and fuzzy sets*

Saturday, February 18, 2012

09:00–10:00 am	C. WALKER, E. WALKER: *Type-2 operations on finite chains*
10:00–10:30 am	Coffee break
10:30-11:30 am	T. VETTERLEIN: *On the characterization of regular left-continuous t-norms*
11:30–12:00 pm	Closing
12:00–01:30 pm	Lunch