LINZ 2012

33rd Linz Seminar on Fuzzy Set Theory

Enriched Category Theory and Related Topics

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

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CALL FOR PAPERS

Since their inception in 1979 the Linz Seminars on Fuzzy Sets have emphasized the development of mathematical aspects of fuzzy sets by bringing together researchers in fuzzy sets and established mathematicians whose work outside the fuzzy setting can provide direction for further research. The philosophy of the seminar has always been to keep it deliberately small and intimate so that informal critical discussions remain central.

LINZ 2012 will be the 33rd seminar carrying on this tradition and is devoted to the theme "Enriched Category Theory and Related Topics". The goal of the seminar is to present and to discuss recent advances in enriched category theory and its various applications in pure and applied mathematics. Accordingly, the topics of the Seminar will include but not be limited to:

- Enriched category theory
- Monoidal closed and biclosed categories
- Quantales and related topics in
  - Quantaloid enriched categories
  - Quantaloid enriched presheaves
  - Noncommutative sheaf theory
  - Quantale sets
  - Partial metrics
- and applications to
  - Fuzzy logics, particularly noncommutative ones
  - Fuzzy preorders
  - Topological structures on Q-categories
  - Theoretical Computer Science

The following invited speakers (in alphabetic order) have already confirmed their participation:
- Hans Heymans, Univeriteit Antwerpen (Antwerpen, Belgium)
- Steve Matthews, University of Warwick (Warwick, UK)
- Isar Stubbe, Université du Littoral-Côte d'Opale (Calais, France)
- Dexue Zhang, Sichuan University (Chengdu, China)

The "Linz" tradition has these key features: the number of participants of the Linz Seminars is usually bounded above by 40 with broad international representation and a mix of pure and applied interests; there are no parallel sessions so that all participants focus on each presentation and fully engage in each topic; and there is ample time for discussion of each presentation, with follow-up round tables for discussion of open problems and issues raised in the talks.

Please send your extended abstract (1 – 4 pages) until November 20, 2011 to `linz2012@flll.jku.at`
Further Information:
http://www.flll.jku.at/div/research/linz2012/index.html