LINZ 2009

30th Linz Seminar on Fuzzy Set Theory

The Legacy of 30 Seminars — Where Do We Stand and Where Do We Go?

Bildungszentrum St. Magdalena, Linz, Austria
February 3 - 7, 2009

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CALL FOR PAPERS

Since their inception in 1979, the Linz Seminars on Fuzzy Set Theory 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 directions 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 2009 is the 30th seminar in this series of meetings. Different to previous years, the scope of the seminar does not restrict to a single sub-topic of fuzzy set theory. Instead, the goal is to view fuzzy set theory and the past and future contributions of the Linz seminars from additional perspectives. We want to determine the state of the art achieved within fuzzy set theory, to ask for the impacts on other fields (of mathematics and applications), and to discuss their future research directions and applications.

To pursue the above goals, about 40% of the seminar will be dedicated to the following kinds of contributions:
1. Reviews (in particular outcomes of the Linz Seminar, contributions to standardizations);
2. Practical applications with profound theoretical foundations in fuzzy set theory (that would not have been possible without);
3. Position papers about future research directions, future applications, and the future of the topic itself.

These contributions should consider one or more of the traditional Linz Seminar subjects:
- Many-valued logics and fuzzy logic in the narrow sense
- Non-classical measures and integrals
- Decision theory and preference modeling
- Logical connectives and aggregation functions
- Algebraic, topological and categorical aspects of fuzzy sets
- Relations to probability theory and statistics

The complementary 60% of the seminar are devoted to latest research advances in any of the above topics. However, we expect potential contributions to highlight their connection to other mathematical disciplines and/or practical applications. In particular, young researchers (PhD students, junior post-docs) are encouraged to submit their latest results.

The following invited speakers (in alphabetic order) have already confirmed their participation:
- **Isabelle Bloch**, Ecole Nationale Supérieure des Télécommuncations, Paris (France)
- **Petr Cintula**, Academy of Sciences of the Czech Republic, Prague (Czech Republic)
- **Eyke Hüllermeier**, Philipps-University Marburg, Marburg (Germany)
- **Daniele Mundici**, University of Florence, Florence (Italy)
- **Dag Westerståhl**, University of Gothenburg, Goteborg (Sweden)

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 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 9, 2008 to linz2009@flll.jku.at**

**Further Information:
http://www.flll.jku.at/research/linz2009**