LINZ 2016

36th Linz Seminar on Fuzzy Set Theory

Functional Equations and Inequalities

Bildungshaus St.Magdalena, Linz, Austria
February 2 - 6, 2016

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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 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 2016 will be the 36th seminar carrying on this tradition and is devoted to the theme "Functional Equations and Inequalities". The goal of the seminar is to present and to discuss recent advances on (algebraic) functional equations and inequalities and their applications in pure and applied mathematics, with special emphasis on many-valued logics, multicriteria decision aid and preference modelling.

Accordingly, the topics of the Seminar will include but not be limited to:

- Functional equations and inequalities of an algebraic style rather than purely differential or integral equations and inequalities

- Interpretation (meaning and relevance) of functional equations and inequalities particularly in the fields of preference modelling, decision making and/or many-valued logics

- Modern and classical methods for solving functional equations and inequalities including also computer-supported proof techniques

- Methods from (algebraic) geometry for gaining insights in functional equations and inequalities resp. their solutions sets

- Discussion of recent or classical functional equations and inequalities their meaning, solution methods and solution sets

The following invited speakers (in alphabetic order) have already confirmed their participation:

- **Esteban Induráin**, Public University of Navarra, Pamplona (Spain)
- **Manuel Kauers**, Johannes Kepler University, Linz (Austria)
- **Mirko Navara**, Czech Technical University in Prague, Prague (Czech Republic)
- **Zsolt Páles**, University of Debrecen, Debrecen (Hungary)
- **Bruno Teheux**, University Luxembourg (Luxembourg)

The "Linz" tradition has these key features: the number of participants of the Seminars is usually bounded from above by forty 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. In particular, young researchers (PhD students, junior post-docs) are encouraged to submit their latest results.

Please submit your extended abstract (1–4 pages) until Nov 04, 2015.
Further Information: http://www.flll.jku.at/linzseminars