

LINZ 2019

38th Linz Seminar on Fuzzy Set Theory

Set Functions in Games and Decision

Bildungszentrum St. Magdalena, Linz, Austria

February 5 - 8, 2019

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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 2019 will be the 38th seminar carrying on this tradition and is devoted to the theme "**Set functions in games and decision**". The goal of the seminar is to present and to discuss recent advances in set functions and non-classical measure theory and their applications in operations research, coalitional game theory and decision theory.

Accordingly, the topics of LINZ 2019 will include but not be limited to:

- Set functions, capacities, and pseudo-Boolean functions
- Coalitional games
- Possibility theory and Dempster-Shafer theory
- Nonclassical measure theory and fuzzy measures
- Nonadditive and fuzzy integrals
- Decision theory and preference modelling
- Operations research

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.

In particular, young researchers (PhD students, junior post-docs) are encouraged to submit their latest results.

Please submit your extended abstract (up to four pages) until November 15, 2018 following the guidelines provided at the webpage of the seminar.

Further Information:

<http://www.flll.jku.at/linzseminars>