

**LINZ**  
**2016**

36<sup>th</sup> Linz Seminar on Fuzzy Set Theory  
**Functional Equations and Inequalities**

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

## Preliminary Program

### Tuesday, February 2, 2016

- 09:00 am      OPENING
- 09:15 am      E. INDURÁIN: *Functional equations related to ordered structures: a panoramic view*
- 10:15 am      Coffee break
- 11:00 am      J. CHUDZIAK: *Functional equations in decision analysis under Cumulative Prospect Theory*
- 11:30 am      L. DE MIGUEL, H. BUSTINCE, B. DE BAETS: *On the convolution of lattice functions*
- 12:00 pm      Lunch
- 02:00 pm      M. KAUSERS: *Cylindrical Algebraic Decomposition*
- 03:00 pm      Coffee break
- 03:30 pm      M. PETRÍK: *Transitivity of dominance and Mulholland inequality*
- 04:00 pm      N. R. VEMURI: *Fuzzy implications satisfying the generalized hypothetical syllogism*
- 04:30 pm      M. BACZYŃSKI, W. NIEMYSKA: *Functional equations related to the distributivity of fuzzy implications*

### Wednesday, February 3, 2016

- 09:00 am      Z. PÁLES: *Characterization problems and theorems in various classes of means*
- 10:00 am      Coffee break
- 10:30 am      E. PAP: *Sublinear means*
- 11:00 am      G. KISS, J.-L. MARICHAL, B. TEHEUX: *An extension of the concept of distance as functions of several variables*
- 11:30 am      E.P. KLEMENT, A. KOLESÁROVÁ, R. MESIAR, S. SAMINGER-PLATZ: *Some functional equations involving 1-Lipschitz aggregation functions and their duals*
- 12:00 pm      Lunch
- 02:00 pm      J.-L. MARICHAL, B. TEHEUX: *The mathematics behind the property of associativity*
- 03:00 pm      Coffee break
- 03:30 pm      J. ARIAS GARCÍA, H. DE MEYER, B. DE BAETS: *Construction of flipping-invariant functions in higher dimensions*
- 04:00 pm      E. PERRONE, C. UHLER: *The polytope of ultramodular discrete copulas*
- 04:30 pm      Round Table

## Thursday, February 4, 2016

- 09:00 am F. DURANTE, R. GHISELLI RICCI: *Supermigrative copulas I*
- 09:30 am F. DURANTE, R. GHISELLI RICCI: *Supermigrative copulas II*
- 10:00 am Coffee break
- 10:30 am F.L. SPIZZICHINO: *Inequalities on copulas and aggregation functions extending fuzzy measures. An applied point of view*
- 11:00 am S. WEBER: *Weakly additive measures of conditionals for events from an MV-algebra, and mean value functions*
- 12:00 pm Lunch
- 02:00 pm Beginning of the Social Program

## Friday, February 5, 2016

- 09:30 am M. NAVARA: *Axiomatic approach to probability of fuzzy events*
- 10:30 am Coffee break
- 11:00 am M. L. DALLA CHIARA, R. GIUNTINI, A. LEDDA, R. LEPORINI, G. SERGIOLI: *Equations and inequalities in quantum logics*
- 11:30 am P. JANA, M. CHAKRABOTY: *Fuzzy topology via fuzzy geometric logic with graded consequence*
- 12:00 pm Lunch
- 02:00 pm M. WINTER: *Dependently-typed fuzzy relations*
- 02:30 pm I. PERFILIEVA: *Fuzzy relation equations in fuzzy functional and topological spaces*
- 03:00 pm J. T. DENNISTON, A. MELTON, S. E. RODABAUGH: *Many-valued domain theory equations*
- 03:30 pm Coffee break
- 04:00 pm OPEN PROBLEM SESSION

## Saturday, February 6, 2016

- 09:00 am J. T. DENNISTON, A. MELTON, S. E. RODABAUGH, S. SOLOVJOVS: *Sierpinski object for affine systems*
- 09:30 am J. DOMBI: *Vagueness measure based convergence theorem of logical expression using inequalities*
- 10:00 am CLOSING
- 10:15 am Coffee break
- 12:00 pm Lunch