

35th European Mathematical Psychology Group Meeting

September 2-4, 2004, Ghent, Belgium

Program

Wednesday

20:30 **Get together party**

Thursday

09:00 - 10:30 **Session on knowledge spaces** (Room Rector Vermeylen)

09:00 – 09:30 A. Ünlü (University of Graz) « Estimating response error rates by means of latent class modeling with random effects »

09:30 – 10:00 J. Heller (Karl-Franzens-Universität Graz) and F. Wickelmaier (Universitet Aalborg) « Parameter estimation in probabilistic knowledge structures: the minimum-discrepancy method »

10:00 – 10:30 E. Cosyn (ALEKS Corporation) « Recovering the down-sets of a poset from a partition of the poset »

10:30 – 11:00 *Coffee break*

11:00 - 12:30 **Session on Measurement** (Room Rector Vermeylen)

11:00 – 11:30 J. C. Fdez de Arroyabe (ESIC) and N. Arranz (UNED) « Measurement as source of conflicts in a team »

11:30 – 12:00 Ching-Fan Sheu (DePaul University) and G. Karabatsos (University of Illinois Chicago) « Testing for a Fechnerian structure by order-constrained Bayesian inference »

12:00 – 12:30 C. Desimpelaere (Ghent University) « On an approach of testing axiomatic foundations of fuzzy set theory »

12:30 – 14:00 *Lunch*

14:00 – 17:50 **Symposium in honor of Jean-Claude Falmagne**
(Room Rector Vermeylen)

14:00 – 14:40 Jean-Paul Doignon (Université Libre de Bruxelles) « What can we learn from intransitivity ? »

14:40 – 15:20 Nicolas Thiéry (ALEKS Corporation) « Fringes of knowledge spaces »

15:20 – 16:00 Jean-Pierre Barthélemy (ENST Brest) « Boolean dissimilarities »

16:00 – 16:30 *Coffee break*

16:30 – 17:10 R. Duncan Luce (University of California, Irvine) « Behavioral analogues to classical physical measurement »

17:10 – 17:50 Mathieu Koppen (Katholieke Universiteit Nijmegen) « Facets of a story of facets »

Friday

09:00 - 12:30 **Symposium on categorization** (Room Rector Vermeylen)

09:00 – 10:00 G. Storms (Katholieke Universiteit Leuven) « The impact of the underlying similarity structure on categorization in natural language concept»

10:00 – 11:00 J. Hampton (City University London) « Feature dependence in natural concepts – effects of changing the features of familiar categories »

11:00 – 11:30 *Coffee break*

11:30 – 12:30 Koen Lamberts (University of Warwick) « Perceptual categorization of events»

12:30 – 14:00 *Lunch*

14:00 – 16:00 **Session on cognitive models** (Room Rector Vermeylen)

14:00 – 14:30 L. Lombardi (University of Trento), G. Sartori and Laura Mattiuzzi (University of Padua) « Semantic relevance theory)

14:30 – 15:00 I. van Rooij (Eindhoven University of Technology) « Fixed-parameter tractable cognition »

15:00 – 15:30 R. A. Chechile (Tufts University, Medford) « Hazard functions and the memory retention function »

15:30 – 16:00 M. Meulders, P. De Boeck and M. Vandenberg (Katholieke Universiteit Leuven) « Going beyond the detection of differential item functioning in psychological tests »

16:00 – 16:30 *Coffee break*

16:30 - 17:30 **Kaleidoscope** (Room Rector Vermeylen)

16:30 – 17:00 F. Tuerlinckx (Katholieke Universiteit Leuven) « How many people do you know ? Estimating personal network size »

17:00 – 17:30 D. J. M. Smits and P. De Boeck (Katholieke Universiteit Leuven) « Modelling a hierarchical item difficulty structure »

17:30 – 18:00 K. V. Katsikopoulos (Max Planck Institute) « Some results that relate individual and group decision-making »

20:00 **Conference dinner**

Saturday (Parallel sessions)

09:00 - 10:30 **Session on preference modelling** (Room Rector Vermeylen)

09:00 - 09:30 C. Labreuche (Thales Research and Technology) and M. Grabisch (Université Paris – Panthéon Sorbonne) « Taking into account bipolar decision behaviors in MCDM »

09:30 - 10:00 F. Lange and M. Grabisch (Université Paris – Panthéon Sorbonne) « Axiomatic characterization of interaction index for bi-capacities »

10:00 - 10:30 D. Bouyssou (Université Paris Dauphine) and M. Pirlot (Faculté Polytechnique de Mons) « A characterization of concordance relations in a conjoint measurement framework »

09:00 - 10:30 **Session on signal detection** (Room Prior)

09:00 - 09:30 D. Pastor (ENST Bretagne) « Two recent advances in statistical decision theory for exploring thresholds in Psychophysics »

09:30 - 10:00 M. A. Garcia-Perez and R. Alcalá-Quintana (Universidad Complutense) « The balance condition, and why the probability that A is discriminated from B seems to vary with presentation order »

10:00 - 10:30 R. Alcalá-Quintana and M. A. Garcia-Perez (Universidad Complutense) « Non-sensory factors contaminating threshold measurements »

10:30 - 11:00 *Coffee break*

11:00 - 12:30 **Session on measurement** (Room Rector Vermeylen)

11:00 - 11:30 T. Augustin (University of Graz) « Stevens' direct scaling methods and the uniqueness problem »

11:30 - 12:00 D. Bouyssou (Université Paris Dauphine) and T. Marchant (Ghent University) « A conjoint measurement approach to categorization problems with ordered categories »

12:00 - 12:30 M. Le Menestrel (Universitat Pompeu Fabra) and B. Lemaire (Université de Paris-Sud) « Biased extensive measurement: the general case »

11:00 - 12:30 **Session on quantum models and stereokinetics** (Room Prior)

11:00 - 11:30 E. Haven (University of Essex) « The addition rule for probabilities of alternatives with an interference term: applications to economics and finance »

11:30 - 12:00 V. I. Danilov (Russian Academy of Sciences) and A. Lambert Mogiliansky (Ecole Nationale des Ponts et Chaussées) « The logic of human behavior : can it be 'quantum logic' »

12:00 - 12:30 L. Beghi, E. Xausa and M. Zanforlin (Università di Padova) « Stereokinetic phenomena revisited »

12:30 - 14:00 *Lunch*

14:00 – 16:00 **Session on utility theory and information geometry**
(Room Rector Vermeylen)

14:00 – 14:30 K. Takemura (Waseda University) and S. Fujii (Tokyo Institute of Technology) « Interpretation of matching law: from the assumptions of Luce's choice axiom, Fechner law and random utility maximization »

14:30 – 15:00 R. Suck (University of Osnabrück) « On finding a convex representation for a point in a polytope and its application to random utility theory »

15:00 – 15:30 V. I. Danilov, G. A. Koshevoy (Russian Academy of Sciences) and C. Lang (University of Geneva) « Competitive two-sided markets with complements »

15:30 – 16:00 P. Hasto (University of Helsinki) « Foundations of nonparametric information geometry »

14:00 – 16:00 **Session on dynamic models** (Room Prior)

14:00 – 14:30 E.-J. Wagenmakers, H. L. J. van der Maas, P. A. I. Hartelman, P. C. M. Molenaar (University of Amsterdam) « Scale invariant stochastic catastrophe theory »

14:30 – 15:00 P. Di Lorenzo (Seconda Università degli studi di Napoli) « Music similarity via nonlinear time series analysis: a new reliable method ? »

15:00 – 15:30 C. F. Lo (The Chinese University of Hong Kong) and M. Y. Kwok (Kwai Chung Hospital) « Modelling suicide risk in later life – contingent claims analysis approach »

15:30 – 16:00 Ingmar Visser (University of Amsterdam) « Latent Markov models for arbitrary length time series: an implementation and application »

16:00 – 16:30 *Coffee break*