Program of EMPG 2011

Monday 29 August

8:30-9:00
* room B 310
    Welcome and opening session

9:00-10:00. Plenary session
* room B 310; chairman: J.-P. Doignon
    D. Bouyssou, **T. Marchant**: Measurement theory with unary relations

10:00-10:30.
* room E 200
    Coffee break

10:30-12:30. Parallel sessions
* room B 310; chairman: R. Alcalá-Quintana
    H. Colonius, S. Rach: Towards a measure of visual-auditory integration efficiency
    K. Serrhini, G. Palka, S. Fuchs, W. Dorner, V. Meyer, S. Priest: Visual and Cognitive Perceptions to Improve Flood Risk Map
    Á. Münnich: Attitude and its measurement using subjective reference points
    G. Golovina, T. Savchenko: The approach to measurement of dynamic characteristics of the person
* room B 312; chairman: H.C. Micko
    D. Luce: Cross Modal Predictions for Binary and Unary Intensity Modalities
    J.-L. Dessalles: Algorithmic Simplicity May Control Some of our Emotions
    M. Cuevas: Effects of sample size, group sample size ratio, magnitude of DIF, and length of test in logistic regression as a method for identification of differential item functioning (DIF)
    V. Cervantes: Assessing the effects of the sample size, sample size ratio, magnitude of DIF and test length on the noncompensatory differential item functioning index (NCDIF)

12:30-14:00
lunch

14:00-15:00. Plenary session
* room B 310; chairman: H. Colonius
    L. Stefanutti: When the correspondence between probabilistic and set representations of local independence becomes a requirement: constant odds models for probabilistic knowledge structures

15:00-15:30.
* room E 200
    Coffee break

15:30-17:30. Parallel sessions
* room B 310; chairperson: E. Cosyn
 R. Alcalá-Quintana, M.A. García-Pérez: The effect of response format in synchrony judgments
 M. García-Pérez, R. Alcalá-Quintana: A model of indecision in 2AFC detection tasks
 I. Fründ, Felix A. Wichmann and Jakob Macke: Sequential dependencies in perceptual decisions
 J. Shanteau: Memory-Retrieval vs Decision-Making in Repetition Priming
* room B 312; chairperson: to be announced
 Y. Guiard: Is Your 'Ratio' a Quotient? Experimenters Need to Know
 W. Vanpaemel: Theory testing with the prior predictive
 S. Noventa, G. Vidotto: A variational approach to sensation and psychophysics
 B. Mirkin, S. Nascimento, T. Fenner: A Model of Interpretation of Concepts over a Taxonomy

17:30-17:45
 short break

17:45-18:30. Plenary session
* room B 310; chairman: R. Suck
 D. Albert, C. Hockemeyer: JCF's impact is not limited to the foundation of the EMPG

19:30. **Conference dinner** at the Assanabel restaurant

Tuesday 30 August

9:00-10:00. Plenary session
* room B 310; chairman: D. Albert
 M. Raijmakers, V. D. Schmittmann, I. Visser: The application of latent Markov models in category learning

10:00-10:30
* room E 200
 Coffee break and posters session
 L. Burigana, M. Vicovaro: Sets of transformations as criteria for rating the diversity within sets of objects
 D. de Chiusole, P. Anselmi, L. Stefanutti, E. Robusto: The Gain-Loss Model: bias and variance of the parameter estimates
 N. Gauvrit, H. Zenil, J.-P. Delahaye: Psychometrics of randomness. A Kolmogorov complexity approach
 N. Gauvrit: Mathematical consequences of the TBRS-model hypothesis
 T. Savchenko, G. M. Golovina: The use of content-analysis for reconstruction existential categories

10:30-12:00. Parallel sessions
* room B 310; chairperson: to be announced
    C. Pelta: Spatial prisoner´s dilemma and laws of imitation in Social Psychology
    O. Rioul, Y. Guiard: The Power Model of Fitts' Law Does Not Encompass the Logarithmic Model
    Ph. Robert-Demontrond, **D. Thiel**: Modeling the halo effect by using automata networks
* room B 312; chairman: M. García-Pérez
    S. Barthelmé, N. Chopin: Approximate Bayesian Computation in Experimental Psychology
    R. Morey, J.N. Rouder, P.L. Speckman, J.M. Province: Default Bayes factors for inference in general ANOVA designs
    C. Zwilling, M. Regenwetter, D. Cavagnaro, A. Popova: Quantitative Testing of Decision Theories: Probabilistic Specification and Empirical Results from a Frequentist and Bayesian Framework

12:00-13:30
lunch

13:30-14:30. Plenary session
* room B 310; chairman: D. Luce
    J.-C. Falmagne: Learning Spaces in Real Life. How the large size of actual learning spaces guides the development of the theory

14:30-15:30. Parallel sessions
* room B 310; chairman: N. Gauvrit
    E. Cosyn: Building a Learning Space from a Large Data Set
    P. Anselmi, E. Robusto and L. Stefanutti: Identifying the best skill multimap by constraining the problem error probabilities in the Gain-Loss Model
* room B 312; chairman: R.D. Morey
    M. Engelhart, J. Funke, S. Sager: Optimization-based Analysis and Training of Human Decision Making with a New Test-scenario
    A. Lambert-Mogiliansky, J. Busemeyer: Self-Control and Type Indeterminacy

15:30-16:00
* room E 200
    Coffee break and posters session (see above)

16:00-17:30. Parallel sessions
* room B 310; chairman: C. Hockemeyer
    D. de Chiusole, L. Stefanutti: Probabilistic skill multi-map models for skill dependence. An application to mathematical problem solving in children
    A. Spoto, L. Stefanutti, G. Vidotto: Skill map based knowledge structures: some considerations about their identifiability
    J. Heller: Parameter estimation and identifiability in probabilistic knowledge structures
* room B 312; chairwoman: M. Cuevas
    R. Bystricky: Comparison of various nonlinear distance based preferential voting systems
    E. Indurain: Means
    L. Wollschläger, A. Diederich: The random-walk-on-tree model for decisions between multiple alternatives

Wednesday 31 August

9:00-10:00. Plenary session
* room B 310; chairman: D. Bouyssou
   C. Choirat: Separable representations in mathematical psychology and decision making

10:00-10:30
* room E 200
   Coffee break

10:30-12:00. Parallel sessions
* room B 310; chairman: J. Heller
   R. Suck: The knowledge space resulting from combining various skill orders
   J.-P. Doignon: Representations of interval orders
   S. Vautier, L. Hubert, M. Veldhuis: How mathematical psychologists could help test-score
      psychologists to perceive the empirical reality they have built?
* room B 312; chairman: J.-L. Dessalles
   L. DeCarlo: When two heads are not better than one: A paradox in latent class signal
      detection theory
   S. Massoni, J.-C. Vergnaud: Direct and Indirect Elicitation Rules for Subjective Beliefs:
      Experimental Evidence
   H. C. Micko: A Multi-Threshold Model of Signal Detection

12:00-13:30
lunch

13:30-14:30. Plenary session
* room B 310; chairman: D. Laming
   A. Diederich: Optimal time windows: Modeling multisensory integration in saccadic
      reaction times

14:30-15:00
* room E 200
   Coffee break

15:00-17:00
* room B 310; chairman: Y. Guiard
   M. Andreatta, E. Acotto: Mental and mathematical representations of music
   E. Golovina, V. Nosulenko: A new method of investigation of person's confidence
      expressed while comparing musical fragments
   D. Laming: Recalling the list-before-last: A cautionary tale
   V. Robinet, S. Portrat, **B. Lemaire**: Working memory capacity as a quantity of information

17:00
* room E 200
   Farewell cocktail