



**International Workshop on:
Patient Reported Outcomes and Quality of Life
July 4-5, 2011; Paris, France**

www.lsta.upmc.fr/PROQOL/

Organized by

Société Française de Biométrie
(sfb.asso.fr)
(International Biometric Society,
French Region)

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Co-Sponsorship



SFDS: Société Française de
Statistique (sfd.asso.fr)

IMS: Institut of Mathematical
Statistics (imstat.org)

PLENARY ORAL SESSION : AMPHITHEATRE HERPIN

Monday July 4

- 9.00- 9.45 Registration
9.45-10.00 Opening of the Workshop
10.00- 10.50 **David Andrich** Equating instruments by first estimating the metric of the comparisons among persons independently of all parameters of the instruments.
10.50-11.20 **Tine Nielsen** Improving items that do not fit the Rasch model: exemplified with the physical functioning scale of the SF36.
11.20-11.40 Coffee break
11.40-12.10 **Jean François Hamel** Rasch models to detect a group effect for PRO with possibly informative missing data.
12.10-12.40 **Lucio Bertoli Barsotti** Modelling missingness with a rasch-type model.
12.40-14.00 Lunch
14.00-14.30 **Alan Tenant** PRO: Misinference from ordinal scales?
14.30-15.00 **Maja Olsbjerg** Marginal maximum likelihood estimation in polytomous Rasch models using SAS.
15.00-15.30 **Silvia Bacci** An approach for the assessment of the Health-related Quality of Life based on multidimensional latent class Rasch models.
15.30-15.50 Coffee break
15.50-16.20 **Alain Regnault** Statistical approach to development and validation of patient-reported outcomes tools for individual decision-making.
16.20-17.10 **Jakob Bjorner** Using IRT to Evaluate the Impact of Method of Administration on Item Response in the Assessment of Patient Reported Health Outcomes.
18.30-21.00 Welcome Cocktail Reception

Tuesday July 5

- 9.30- 10.20 **Véronique Sébille** Sample size determination for IRT – Why should it differ from CTT?
10.20-10.50 **Inmaculada Arostegui** Regression methods to analyze patient reported outcomes.
10.50-11.10 Coffee break
11.10-11.40 **Michella Cameletti** The Cronbach-Mesbah Curve for assessing the unidimensionality of an item sets: the R package CMC.
11.40-12.10 **Svend Kreiner** A note on \square -curves for dichotomous Rasch items.
12.10-12.40 **Karl Bang Christensen** Marginal maximum likelihood estimation in polytomous Rasch models using SAS.
12.40-14.00 Lunch
14.00-14.30 **Paul Kolm** Changes in Quality of Life and Utility in Heart Failure and Stable Coronary Artery Disease Patients: A Comparison of Trajectories.
14.30-15.00 **Ying Zhang** A generalized Jonckheere test against ordered alternatives for signal group repeated measures.
15.00-15.30 **Biswabrata Pradhan** Nonparametric Estimation of Quality Adjusted Lifetime (QAL) Distribution in Illness-Death Models.
15.30-15.50 Coffee break
15.50-16.20 **Hélène Jacqmin-Gadda** Parametric and semi-parametric latent process models for quantitative discrete and ordinal longitudinal data.
16.20-17.10 **Stephen Fienberg** A Longitudinal Mixed-Membership and Survival Approach for Modeling Disability.
17.10-17.30 Closure of the Workshop

POSTER SESSIONS :

José M Quintana
Amaia Bilbao,
Urko Aguirre,
Elodie Dumas

Validation of the Lawton-Brody questionnaire in elderly people with hip or wrist fractures due to falls.
Validation of a WOMAC short form for patients with hip osteoarthritis.

Handling missing data in Patient Reported Outcome: an application to the Barthel Index on elderly people with fractures.
Analysis of longitudinal Patient-Reported Outcomes with intermittent missing data (informative and non informative): comparison of score or Rasch-based methods.

Moussedek Bousseboua
Guennadi Martynov

Latent Process with local Dependence
Cramer-Von Mises Test and Durbin-Knot Components