

## **Session: Dimension reduction, matrix completion, and inpainting**

**Talks: Thursday 18 1.10 pm – 1.30 pm**

Title: *Low Rank Matrix Completion with Exponential Family Noise*

Authors : Jean LAFOND

Talk and poster

Title: *Non-parametric methods for the interpolation of noisy space-time dynamics*

Authors: Redouane LGUENSAT, Pierre TANDEO, Pierre AILLOT, Ronan FABLET

Talk and poster

Title: *Audio Inpainting, Source Separation, Audio Compression All with a Unified Framework Based on NTF Model*

Authors: Cagdas BILEN, Alexey OZEROV and Patrick PEREZ

Talk and poster

Title: *A general low complexity recovery framework and its application to structured sparsity*

Authors: Yann TRAONMILIN, Rémi GRIBONVAL

Talk and poster

Title: *Sketching techniques for very large matrix factorization*

Authors: Raghavendran BALU, Teddy FURON

Poster

Title: *Linear embeddings of low-dimensional subsets of a Hilbert space to  $\mathbb{R}^m$*

Authors: Gilles PUY, Mike DAVIES, Rémi GRIBONVAL

Poster

## **Session: Inference**

**Talks: Thursday 18 4.25 pm – 4.45 pm**

Title: *Longitudinal data analysis with auxiliary item information to deal with missing questionnaire data*

Authors: Iris EEKHOUT, CRAIG K. ENDERS, Jos W.R. TWISK, Michiel R. de BOER, Henrica C.W. de VET, Martijn W. HEYMANS

Talk and poster

Title: *Variable selection using the integrated complete-data likelihood to cluster dataset with missing values*

Authors: Matthieu MARBAC, Mohammed SEDKI

Talk and poster

Title: *Estimation of the AIDS incidence rate in Portugal via the backcalculation method*

Authors: Julio SILVA, Joaquim COSTA, A. Rita GAIE

Talk and poster

Title: *Conditional moments and data missing at random*  
Authors: Marian HRISTACHE, Valentin PATILEA  
Talk and poster

Title: *Systematically missing data in meta-analysis: a graphical model approach*  
Authors: Jelena KOVACIC, Veda Marija VARNAI  
Poster

## **Session: Imputation – inferences**

**Talks: Thursday 18 6.05 pm – 6.25 pm**

Title: *A case study of completion of cats' consumption missing data on preference mapping*  
Authors: Julien ROGUES  
Talk and poster

Title: *Linear regression with missing data and unknown colored noise: Application to a space mission in fundamental physics*  
Authors: Quentin BAGHI  
Talk and poster

Title: *The Effect of Missing Visits on GEE, A Simulation Study*  
Authors: Julia GERONIMI, Gilbert SAPORTA  
Talk and poster

Title: *Recovering missing individual block information in a multiblock Multiple Factor Analysis*  
Authors: Valentin VOILLET, Ignacio GONZALEZ, Laurence LIAUBET, Phillipe BESSE, Magali SANCRISTOBAL  
Talk and poster

Title: *QRILC: a quantile regression approach to left-censored missing data imputation in quantitative high- throughput proteomics*  
Authors: Cosmin LAZAR, Myriam FERRO, Christophe BRULEY, Thomas BURGER  
Poster

Title: *Integrating Data Deficient species in evolutionary history loss analyses*  
Authors: Simon VERON, Sandrine PAVOINE, Philippe CLERGEAU  
Poster

Title: *Analyzing multi-group multivariate data with non-ignorable missingness*  
Authors: Myrsini KATSIKATSOU, Jouni KUHA, Irini MOUSTAKI  
Poster

## Session: Multiple Imputation

**Talks: Thursday 18 6.25 pm – 6.45 pm**

Title: Analysis of incomplete data and imputation of missing values: the R package VIM

Authors: Matthias TEMPL, Alexander KOWARK

Talk

Title: *Multiple imputation using the Multiple Correspondence Analysis*

Authors: Vincent AUDIGIER, François HUSSON, Julie JOSSE

Talk

Title: *PLS regression and Multiple Imputation*

Authors: Phillippe BASTIEN

Talk

Title: Using multiple imputation for a zero-inflated contingent valuation with potentially biased sampling

Authors: Marouenne MBAREK, Damien ROUSSELIERE, Julien SALANIE

Talk and poster

Title: *Multiple Imputation using Mahalanobis Distance*

Authors: Elaine M. BERKERY, Kevin HAYES

Poster

Title: *Latent Class Analysis for Multiple Imputation of Missing Categorical data: an overview*

Authors: Davide VIDOTTO, Jeroen K. VERMUNT

Poster

Title: Proposition of a Multiple Imputation approach for MNAR mechanism using Heckman's model

Authors: Jacques-Emmanuel GALIMARD, Sylvie CHEVRET, Matthieu RESCHE-RIGON

Poster