

Rencontres de Statistiques Mathématiques 8

CIRM, 15-19 décembre 2008

Session in memory of Marc Raimondo

This year, a special session (Tuesday morning) is dedicated to the memory of our colleague and friend Marc Raimondo, who died suddenly in Sydney in August 2008 at the age of 39.

*More informations about Marc may be found in the November bulletin of the IMS
<http://bulletin.imstat.org/archive/37/9>*

Lundi 15 décembre :

- 9h10-9h45 Van der Vaart Aad (Amsterdam University)
Some semiparametric minimax rates.
- 9h45-10h20 Belitser Eduard (Utrecht University)
Oracle posterior convergence rate in white noise model.
- 10h50-11h25 Katkownik Vladimir (Tampere University of Technology)
Nonlocal nonparametric regression with order adaptive collaborative filtering.
- 11h25-12h Foi Alessandro (Tampere University of Technology)
Direct optimization of nonparametric variance-stabilizing transformations.
- 16h-16h35 Sapatinas Theofanis (University of Cyprus)
Functional wavelet deconvolution in a periodic setting: uniform case.
- 16h35-17h10 Pensky Marianna (University of Central Florida)
Functional deconvolution in a periodic setting: non-uniform case.
- 17h40-18h15 Johannes Jan (Heidelberg University)
On rate optimal estimation of linear functionals in functional linear models.
- 18h15-18h50 Bigot Jérémie (Université Toulouse 3)
Inverse problem point of view for adaptive estimation in a shifted curves model.

Mardi 16 décembre :

Session in memory of Marc Raimondo

- 9h00-9h35 Picard Dominique (Université Paris 6)
Wavelet methods in Marc's work.
- 9h35-10h10 Kulik Rafal (Ottawa University)
Wavelet regression in random design with heteroscedastic dependent errors.
- 10h30-11h05 Johnstone Iain (Stanford University)
Null distributions for largest eigenvalues in multivariate analysis.
- 11h05-11h40 Tajvidi Nader (Lund Institute of Technology)
A peaks over threshold model for change-point detection by wavelets
- 11h40-12h15 Cheng Ming-Yen (University College London)
Kernel estimation of change-points in derivatives.

- 16h35-17h10 Malyutov Mikhail (Northeastern University)
Capacity of screening under linear programming analysis.
- 17h40-18h15 Gaiffas Stéphane (Université Paris 6)
Estimation for counting processes with covariates.
- 18h15-18h50 Nazin Alexander (Institute of Control Sciences)
To be announced.

Mercredi 17 décembre :

- 9h10-9h45 Koltchinskii Vladimir (Georgia Institute of Technology)
Sparse recovery in infinite dictionaries.
- 9h45-10h20 Rigollet Philippe (Princeton University)
To be announced.
- 10h50-11h25 Comte Fabienne (Université Paris 5)
Nonparametric estimation for pure jump Lévy processes.
- 11h25-12h Nickl Richard (University of Cambridge)
Bickel-Rosenblatt-type theorems for wavelet density estimators and adaptive confidence bands.

Jeudi 18 décembre :

- 9h10-9h45 Ingster Yuri (St-Petersbourg State Elec.)
Adaptive detection of high variable functions.
- 9h45-10h20 Ermakov Michaël (Institute of mechanical engineering problems)
Nonparametric hypothesis testing with type I or type II error probabilities.
- 10h50-11h25 Pouet Christophe (Université Aix-Marseille 1)
Classification of sparse high-dimensional vectors.
- 11h25-12h Gushchin Alexandre (Steklov Mathematical Institute)
The filtered arithmetic-mean measure and Fano's lemma.
- 16h-17h05 Spokoiny Vladimir (Weierstrass Institute)
Modern parametric statistics.
- 17h30-18h20 Levit Boris (Queen's University)
Minimax revisited, or "asymptopia" in the age of PC.
- 18h20-18h50 Korostelev Alexandre (Wayne State University)
Detection of slightly expressed changes in random environment.

Vendredi 19 décembre :

- 9h10-9h45 Loustau Sébastien (Université Aix-Marseille 1)
Statistical performances of kernel methods in classification.
- 9h45-10h20 Lerasle Matthieu (INSA Toulouse)
Resampling methods in density estimation with L^2 -loss.
- 10h50-11h25 Guilloux Frédéric (Université Paris 7)
Spectral estimation and source separation on the sphere for the cosmic microwave background.
- 11h25-12h Brouste Alexandre (Université du Maine)
Asymptotic properties of maximum likelihood estimator for partially observed diffusion system.