

Rencontres de Statistiques Mathématiques 3

CIRM, 15-19 décembre 2003

Lundi 15 décembre :

- 9h10-9h45 Low Mark (Wharton Faculty) Poissonization.
- 9h45-10h20 Neumann Michaël (Technical University of Braunschweig) Some basic tools under weak dependence.
- 10h50-11h25 Spokoiny Vladimir (Weierstrass Institute) Pointwise adaptation via local change-point analysis.
- 11h25-12h Katkovnik Vladimir (Tampere University of Technology) A spatially adaptive nonparametric regression image deblurring.

- 16h-16h35 Van der Vaart Aad (Amsterdam University) Donsker theorems for regular diffusions, with statistical applications.
- 16h35-17h10 Gill Richard (Utrecht University) Quantum statistical information and optimal adaptive design of quantum estimation experiments.
- 17h40-18h15 Guta Madalin (Eurandom) Estimation of density matrices through quantum tomography
- 18h15-18h50 Artiles Martinez Luis (Eurandom) On the estimation of the Wigner function of the Quantum state from tomography data.

Mardi 16 décembre :

- 9h10-9h45 Birgé Lucien (Université Paris 6) About model selection.
- 9h45-10h20 Butucea Cristina (Université Paris 10) Quadratic functional estimation from noisy data.
- 10h50-11h25 Reynaud Patricia (CNRS, ENS Paris) Adaptive estimation of Aalen multiplicative intensity by model selection.
- 11h25-12h Loubes Jean-Michel (CNRS, Université Paris 11) Shifts estimation with penalized M estimators.

- 16h-16h35 Pereverzev Sergeï (Johann Radon Institute) Adaptive model selection in inverse statistical estimation.
- 16h35-17h10 Hengartner Nicolas (Los Alamos National Laboratory) Adaptive estimation for inverse problems with noisy operators.
- 17h40-18h15 Ermakov Michaël (Institute of mechanical engineering problems) On deconvolution problem.
- 18h15-18h50 Goldenshluger Alexandre (University of Haifa) Recovering edges of an image from tomographic data.

Mercredi 17 décembre :

- 9h10-9h45 Koltchinskii Vladimir (University of New Mexico) Excess risk bounds in learning problems.
- 9h45-10h20 Konakov Valentin (Central Institute Eco. Math.) Edgeworth type expansions

for transition densities of Markov chains converging to diffusions and its application to approximate integration of SDE.

- 10h50-11h25 Gushchin Alexandre (Steklov Mathematical Institute) On estimation of delay location.
- 11h25-12h Malyutov Mikhail (Northeastern University) On sequential discrimination between CLOSE Markov chains: comparison of the logarithmic bounds and simulation results.

Jeudi 18 décembre :

- 9h10-9h45 Ingster Yuri (St-Petersbourg Electrotechnical University) Nonparametric hypothesis testing for small type I errors.
- 9h45-10h20 Fromont Magalie (Université Paris 11) Adaptive tests for periodic signal detection.
- 10h50-11h25 Paindaveine Davy (Université Libre de Bruxelles) Optimal rank-based tests for sphericity.
- 11h25-12h Rozenholc Yves (Université Paris 6) Testing nullity in a regression framework.

- 16h-16h35 Picard Dominique (Université Paris 7) What do we learn from maxisets ?
- 16h35-17h10 Tsybakov Alexandre (Université Paris 6) Optimal rates of aggregation.
- 17h40-18h15 Reiss Markus (Humboldt University) Nonparametric estimation for diffusions on the real line based on low-frequency observations.
- 18h15-18h50 Grama Ion (Université de Vannes) Local Pareto modelling of the tail of a distribution function.

Vendredi 19 décembre :

- 9h25-10h Stepanova Natalia (School of Math. and Stat.) Efficient estimation of multivariate analytic function.
- 10h30-11h05 Stoltz Gilles (Université Paris 11) Internal regret in on-line portfolio selection.
- 11h05-11h40 Golubev Yuri (CNRS, Université Aix-Marseille 1) Risk hulls and estimation of linear functionals.

Liste des exposés

Rencontres de Statistiques Mathématiques 3

CIRM, 15-19 décembre 2003

1. **Artiles Martinez Luis (Eurandom)** On the estimation of the Wigner function of the Quantum state from tomography data.
2. **Birgé Lucien (Université Paris 6)** About model selection.
3. **Butucea Cristina (Université Paris 10)** Quadratic functional estimation from noisy data.
4. **Ermakov Michaël (Institute of mechanical engineering problems)** On deconvolution

- problem.
5. **Fromont Magalie (Université Paris 11)** Adaptive tests for periodic signal detection.
 6. **Gill Richard (Utrecht University)** Quantum statistical information and optimal adaptive design of quantum estimation experiments.
 7. **Goldenshluger Alexandre (University of Haifa)** Recovering edges of an image from tomographic data.
 8. **Golubev Yuri (CNRS, Université Aix-Marseille 1)** Risk hulls and estimation of linear functionals.
 9. **Grama Ion (Université de Vannes)** Local Pareto modelling of the tail of a distribution function.
 10. **Gushchin Alexandre (Steklov Mathematical Institute)** On estimation of delay location.
 11. **Guta Madalin (Eurandom)** Estimation of density matrices through quantum tomography
 12. **Hengartner Nicolas (Los Alamos National Laboratory)** Adaptive estimation for inverse problems with noisy operators.
 13. **Ingster Yuri (St-Petersbourg Electrotechnical University)** Nonparametric hypothesis testing for small type I errors.
 14. **Katkovnik Vladimir (Tampere University of Technology)** A spatially adaptive nonparametric regression image deblurring.
 15. **Koltchinskii Vladimir (University of New Mexico)** Excess risk bounds in learning problems.
 16. **Konakov Valentin (Central Institute Eco. Math.)** Edgeworth type expansions for transition densities of Markov chains converging to diffusions and its application to approximate integration of SDE.
 17. **Leonov Serge• (GlaxoSmithKline)**
 18. **Loubes Jean-Michel (CNRS, Université Paris 11)** Shifts estimation with penalized M estimators.
 19. **Low Mark (Wharton Faculty)** Poissonization.
 20. **Malyutov Mikhail (Northeastern University)** On sequential discrimination between CLOSE Markov chains: comparison of the logarithmic bounds and simulation results.
 21. **Massart Pascal (Université Paris 11)**
 22. **Neumann Michaël (Technical University of Braunschweig)** Some basic tools under weak dependence.
 23. **Paindaveine Davy (Université Libre de Bruxelles)** Optimal rank-based tests for sphericity.
 24. **Pereverzev Sergeï (Johann Radon Institute)** Adaptive model selection in inverse statistical estimation.
 - 25.

-
- Picard Dominique (Université Paris 7)** What do we learn from maxisets ?
26. **Reiss Markus (Humboldt University)** Nonparametric estimation for diffusions on the real line based on low-frequency observations.
27. **Reynaud Patricia (CNRS, ENS Paris)** Adaptive estimation of Aalen multiplicative intensity by model selection.
28. **Rozenholc Yves (Université Paris 6)** Testing nullity in a regression framework.
29. **Spokoiny Vladimir (Weierstrass Institute)** Pointwise adaptation via local change-point analysis.
30. **Stepanova Natalia (School of Math. and Stat.)** Efficient Estimation of multivariate analytic function.
31. **Stoltz Gilles (Université Paris 11)** Internal regret in on-line portfolio selection.
32. **Tsybakov Alexandre (Université Paris 6)** Optimal rates of aggregation.
33. **Van der Vaart Aad (Amsterdam University)** Donsker theorems for regular diffusions, with statistical applications.
-

- [About this document ...](#)

mercredi, 3 décembre 2003, 17:06:06 MET