

PROGRAM, 13–20.01.2013

Sunday, 13.01

- **18.00-18.35** Lepinette E. Essential supremum and essential maximum with respect to a preference relation.
- **18.35-19.10** Peresetsky A. Global stochastic trend and regional correlations.

Monday, 14.01

- **14.00-14.45** Touzi N. Optimal transportation and robust hedging.
- **14.45-15.15** Kallsen J. Optimal investment under small proportional transaction costs.
- **15.15-15.45** Possamai D. Homogenization and asymptotics for small transaction costs, the multidimensional case.
- **15.45-16.15** Rudloff B. Dynamic risk measures in markets with transaction costs.
- Coffee break
- **16.45-17.10** Nguyen Huu Thai. Option replication with general transaction costs for stochastic volatility markets.
- **17.10-17.35** Belak C. On the uniqueness of unbounded viscosity solutions in portfolio optimization with proportional transaction costs.
- **17.35-18.00** Pergamenchtchikov S. Leland's strategy for stochastic volatility markets.
- Coffee break
- **18.15-18.40** Hinz J. Optimal control of convex switching systems.
- **18.40-19.05** Kutoyants Y. On identification of a threshold time series and diffusion processes.
- **19.05-19.30** Leniec M. Role of information in Brownian filtration.

Tuesday, 15.01

- **14.00-14.45** Teichmann J. Robust calibration of models in finance.
- **14.45-15.15** Matoussi A. Second-order BSDEs with general reflection and Dynkin games under uncertainty.
- **15.15-15.45** Hamadene S. L_p -solutions of reflected BSDEs and applications.
- **15.45-16.15** Reveillac A. BSDEs with weak terminal condition: existence results and application to finance.
- Coffee break
- **16.45-17.10** Vukelja M. Expected utility from terminal wealth in an illiquid market.
- **17.10-17.35** Grigorieva L. Finite sample forecasting with estimated temporally aggregated linear processes.
- **17.35-18.00** Douady R. The whys of the LOIS: credit risk and refinancing rate volatility.
- Coffee break
- **18.15-18.40** Karminsky A. The multiplication of the credit rating agencies efforts under IRB approach.
- **18.40-19.05** Tan Xiaolu. Numerical schemes for 2nd order BSDEs.
- **19.05-19.30** Song Shiqi. Notes on the condition of no arbitrage of the first kind.

Wednesday, 16.01

- **14.00-14.45** Kijima M. An extension of the chaos expansion approximation for the pricing of exotic basket options.
- **14.45-15.15** Bouchard B. Stochastic target games with controlled losses.
- **15.15-15.45** Koo Hyeng Keun. A Friedman-Savage consumer almost gambles: optimal consumption and portfolio selection with non-concave utility Institution.
- **15.45-16.15**
- Coffee break
- **16.45-17.10** Vostrikova L. Indifference pricing for exponential semimartingale models with random factor.
- **17.10-17.35** Ellanskaya A. Indifference pricing for exponential Lévy models.
- **17.35-18.00** Campi L. Utility indifference pricing for non-smooth payoffs.
- Coffee break
- **18.15-18.40** Grbac Z. Market models for credit risky portfolios driven by time-inhomogeneous Levy processes.
- **18.40-19.05** Kaishev V. On a class of multivariate Levy processes induced by Dirichlet splines and their application to finance.
- **19.05-19.30** Haslip G. A novel generalized Fourier-B-spline method for option pricing.

Thursday, 17.01

- **14.00-14.45** Filipovic D. Polynomial term structure models.
- **14.45-15.15** Hugonnier J. Capital supply uncertainty, cash holdings and optimal investment.
- **15.15-15.45** Taffin E. Transaction costs in bond markets.
- **15.45-16.15** Mainberger C. Continuous equilibrium in affine and information-based Capital Asset Pricing Models.
- Coffee break
- **16.45-17.10** Fontana C. On arbitrages arising with honest times.
- **17.10-17.35** Choulli T. Non-arbitrage under random horizon and honest time.
- **17.35-18.00** Aksamit A. On some particular excursion straddling a random time.
- Coffee break
- **18.15-18.40** Blanchet-Scaillet C. Optimal liquidation with directional views and additional information.
- **18.40-19.05** Corcuera J. Pricing contingent convertible.
- **19.05-19.30** Crepey S. Counterparty wrong way and gap risks modeling: a marked default time approach.

Friday, 18.01

- **14.00-14.45** Molchanov I. A constructive approach to multivariate risk measures.
- **.45-15.15** Penner I. Convex risk measures for processes and related BSDE's.
- **15.15-15.45** Owari K. Maximum Lebesgue extension of convex risk measures.
- **15.45-16.15** Jiao Ying. Role of inside information in an optimal investment problem with counterparty risk.
- Coffee break
- **16.45-17.10** Sexton J. Time inversion and reflection properties of continuous martingales.
- **17.10-17.35** Melnyk Y. Optimal product advertisement and upgrades: optimization under fixed and proportional product development costs.
- **17.35-18.00** Bion-Nadal J. Time consistent dynamic pricing in financial markets with volatility uncertainty or more generally model uncertainty.
- Coffee break
- **18.15-18.40** Berdjane B. Sequential delta-optimal consumption and investment for stochastic volatility markets with unknown parameters.
- **18.40-19.05** Donchev D. Random series with time-varying discounting.
- **19.05-19.30** Galchouk L. Asymptotically efficient estimation of the drift in ergodic diffusions from discrete data.

Saturday, 18.01

- **9.00-9.45** Arkin V. Threshold strategies in optimal stopping problems for one-dimensional diffusions.
- **9.45-10.15** Sezer A. Optimal decision rules for product recalls.
- **10.15-10.45** Presman E. TBA.
- **10.45.-11.15** Gushchin A. On upper hedging prices.
- **11.20-11.45** Burnaev E. The rule $1/N$ in hedge trading.
- **11.45.-12.10** Muravlev A. Quickest disorder detection problem with sequential hypothesis testing.
- **12.15-12.40** Zhitlukhin M. Quickest disorder detection problems with applications to finance.
- **12.40-13.05** Sonin I. Insertion - a new operation for Markov chains.

This year, due to the growing popularity of our annual meeting, especially among young researchers, there are slightly more talks than last year. This is a problem: we cannot deprive participants from a chance to present results at the 7th Bachelier colloquium. We are constraint by timetable of *Azureva*. Seemingly, we should have fewer breaks and work harder. It seems that the Saturday session is unavoidable as well as pallel sessions.