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.


- **15.45-16.15**
  - 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


- **18.40-19.05** Kaishev V. On a class of multivariate Levy processes induced by Dirichlet splines and their application to finance.

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** Taflin 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.

- **14.45-15.15** 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 parallel sessions.