

PROGRAM, 16–21.01.2012

Monday, 16.01

- **14.00-14.45** Shiryaev A. On weak and strong solutions: a survey.
- **14.45-15.15** Jeanblanc M. Azema supermartingales, enlargement of filtration and representation theorems.
- **15.15-15.45** Vostrikova L. Exponential Levy models and enlargement of filtration.
- **15.45-16.15** Carassus L. Maximization for non-concave utility functions in discrete-time financial market models.
- Coffee break
- **16.45-17.10** Possamai D. Quadratic second-order BSDEs and utility maximization under volatility uncertainty.
- **17.10-17.35** Reveillac A. Forward-backward systems for expected utility maximization.
- **17.35-18.00** Richter A. Explicit solutions to quadratic BSDEs and applications to utility maximization in multivariate affine stochastic volatility models.
- Coffee break
- **18.15-18.40** Matoussi A. Some results on 2BSDE's and applications in finance.
- **18.40-19.05** Acciaio B. Maximal martingale inequalities by pathwise hedging.
- **19.05-19.30** Abakirova A. On some functional inequalities for skew Brownian motion.

Talks: 20 min. pure speaking time + 5 min. questions/discussions

Tuesday, 17.01

- Touzi N. On the Azema-Yor solution of the SEP.
- Rudloff B. Calculation of superhedging portfolios and strategies under transaction costs.
- Kijima M. Equilibrium price and allocation in the presence of transaction costs.
- Elie R. Exact replication under portfolio constraints.
- Belak C. Worst-case portfolio optimization under proportional transaction costs.
- Hugonnier J. Speculative behavior in decentralized markets.
- Urusov M. Optimal trade execution and price manipulation in order books with time-varying liquidity.
- Hadjiliadis O. Drawdowns and the speed of a market crash.
- Weber M. Liquidity, large investors, and no borrowing.
- Pergamenchikov S. Optimal consumption and investment for markets with random coefficients.
- Rasonyi M. Parameter estimation from quantized observations.

Wednesday, 18.01

- Platen E. Benchmarked risk minimization in incomplete markets.
- Danilova A. Equilibrium model with default and insider's dynamic information.
- Zervos M. Optimal stopping of one-dimensional diffusions with generalized drift.
- Ano K. Optimal multiple stopping and free-boundary problem with application to finance.
- Arkin V. Real options and Stefan problem: a variational view.
- Slastnikov A. Stochastic models of investment attraction.
- Gushchin A. Some functional analytic tools for utility maximization.
- Zhang H. Optimal risk portfolios.
- Li Qinghua. Optimal stopping of a diffusion with a change point.
- Rheinlaender T. Semi-static hedging.

Thursday, 19.01

- Albrecher H. Insurance risk and ruin theory: a survey. 45 min.
- Suzuki T. Life insurance and annuities with positive premium loadings: A life cycle model with borrowing.
- Loisel S. Ruin theory with correlated risks.
- Sexton J. Some singular control problems in insurance and finance.
- Gobet E. Almost sure optimal hedging strategy.
- Kordzakhia N. On estimation of solvency margins in autoregressive models.
- Grbac Z. A defaultable HJM multiple-curve term structure model.
- Hamadene S. The zero-sum switching game.
- Lyasoff A. Shadow dynamic programming and its connection to equilibrium asset pricing.
- Crepey S. Informationally dynamized dynamic Gaussian copula model and application to counterparty risk.

Friday, 20.01

- Schweizer M. An infinite-dimensional version of the Dalang-Morton-Willinger proof.
- Peresetsky A. A new approach to ratings mapping.
- Novikov A. On analytical results and simulation of some functionals of the fractional Brownian motion.
- Spreij P. Affine diffusions with non-canonical state space.
- Viitasaari L. Remarks on general options and their relation to call options.
- Stoyanov J. Moment determinacy of distributions used in financial and risk modeling.
- Shi Pucheng. Discrete consumption in monotone follower problem and Merton's problem.
- Lepinette E. Essential supremum with respect to a random cone and applications.
- Song Shiqi. Martingale representation property in credit risk modeling.
- Reichlin C. Non-concave utility maximization with a given pricing measure.
- Herdegen M. TBA

Saturday, 21.01

DISCUSSIONS