

## **Schedule**

**The ZiF-research group:**

**"Stochastic modeling in the sciences"**

**Concluding conference**

**"Stochastic partial differential equations and  
random media: From theory to applications II"**

***(September 12-16, 2005)***

**Monday, September, 12:**

**8.50h - 9.00h: Opening**

**9.00h - 9.50h: E. Bolthausen: "Exit distributions for random walks in random environments"**

**10.00h – 10.50h: M. Sanz-Solé: "A lattice scheme for an elliptic SPDE"**

**11.00h - 11.30h: Coffee break**

**11.30h – 12.20h: B. Schmalz: "Stochastic differential equations with dynamical boundary conditions"**

**12.30h – 14.00h: Lunch**

**14.00h – 14.50h: E. Priola: "Gradient Estimates for Diffusion Semigroups with Singular Coefficients"**

**15.00h - 15.50h: E. Nualart : "Hitting probabilities for the non-linear stochastic heat equation"**

**16.00h-16.30: Coffee**

**Tuesday, September, 13:**

**9.00h - 9.50h: L. Accardi: “Nonlinear white noise calculus: achievements, no go theorems and renormalization”**

**10.00h – 10.50h: R. Dalang: “A Feynman-Kac-type formula for the stochastic wave equation”**

**11.00h - 11.30h: Coffee break**

**11.30h – 12.20h: A. Erschler: “Asymptotics of functions depending on multiplicities of selfintersections of random walks”**

**12.30h – 14.00h: Lunch**

**Free afternoon!**

**Wednesday, September, 14:**

**9.00h - 9.50h: Yu. Kozitsky: “Euclidean Gibbs states of quantum crystals”**

**10.00h – 10.50h: F. Martinelli: “Glauber dynamics for spin models on trees: boundary conditons and mixing times”**

**11.00h - 11.30h: Coffee break**

**11.30h – 12.20h: E. Lytvynov: “”Equilibrium Glauber and Kawasaki dynamics for continuous particle systems”**

**12.30h – 14.00h: Lunch**

**14.00h – open: Round table discussion:**

**“Stochastic modelling in the sciences: new perspectives”**

**16.00h-16.30: Coffee**

**18.30h Dinner**

**Thursday, September, 15:**

**9.00h - 9.50h: A. Bovier: "Ageing and spectral properties of generators"**

**10.00h – 10.50h: B. Maslowski: "Evolution equations with fractional noise"**

**11.00h - 11.30h: Coffee break**

**11.30h – 12.20h: G. Chistyakov: "Free convolutions and Limit Theorems"**

**12.30h – 14.00h: Lunch**

**14.00h – 14.50h: A. Stuart : "SPDEs for sampling conditioned SDEs"**

**15.00h - 15.50h: J. Voss: "Constructing SPDEs for sampling from a distribution on path space"**

**16.00h-16.30: Coffee**

**16.30h -17.20h: O.Kutoviy: "On non-equilibrium stochastic dynamics for interacting particle systems in continuum"**

**Friday, September, 16:**

**9.00h - 9.50h: E. Pardoux: “Random homogenization and SPDEs”**

**10.00h – 10.50h: F. Merkl: “Linearly edge-reinforced random walks”**

**11.00h - 11.30h: Coffee break**

**11.30h – 12.20h: O. Popovych: “Desynchronization of coupled oscillators by nonlinear delayed feedback”**

**12.30h – 14.00h: Lunch**

**14.00h – 14.50h: C. Odasso: “Exponential mixing for stochastic partial differential equations: the non-additive case”**

**15.00h - 15.50h: M. Ondrejat: “Stochastic wave equations”**

**16.00h: End**