

List of Participants and Emails

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Pavlo Cherepanov, University of New Mexico, ???

Paul Deheuvels, LSTA, University of Paris 6, pd@ccr.jussieu.fr

Vladimir Dobric, Lehigh University, vd00@Lehigh.EDU,

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Sam Efromovich, University of New Mexico, ???

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Wenbo Li, University of Delaware, wli@math.udel.edu

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Victor de la Peña, Columbia University, vp@wald.stat.columbia.edu
Iosif Pinelis, Michigan Technological University, ipinelis@mtu.edu
Dragan Radulovic, Florida Atlantic University, radulovi@fau.edu
Alexander Rakhlin, MIT., ????

Jay Rosen, College of Staten Island, CUNY, jrosen3@earthlink.net

Josh Rushton, University of Wisconsin-Madison, rushton@math.wisc.edu Invariance for Lévy
and Partial Sum Processes

Lyudmila Sakhanenko, Michigan State University, luda@stt.msu.edu

Hailin Sang, University of Connecticut, ????

Ingo Steinward, Los alamos National laboratory

Sabir Umarov, University of New Mexico, sabir@math.unm.edu

Sergei Utev, University of Nottingham,

Roman Vershinin, University of California at Davis., vershynin@math.ucdavis.edu

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Jon Wellner, University of Washington, jaw@stat.washington.edu

Donsheng Wu, Michigan State University, wudongsh@msu.edu

WeiBiao Wu, University of Chicago, wbwu@galton.uchicago.edu

Joel Zinn, Texas A&M, jzinn@math.tamu.edu

HDP-IV: Schedule of Talks

June 20

9:00-10:00: Michael B. Marcus, CUNY, mbmarcus@optonline.net

Title: Associated Gaussian processes

10:00-10:30: Jan Hannig, Colorado State University, hannig@stat.colostate.edu

Title: Distribution Theory for SiZer

10:30-11:00: Coffee Break

11:00-11:30: Yuliy Baryshnikov, Columbia University and Bel Labs, ymb@research.bell-labs.com

Title: Finite type invariants of random braids and hypoelliptic diffusions

11:30-12:00: Vladimir Dobric, Lehigh University, vd00@Lehigh.EDU,

Title: Fractional Brownian motion, its martingales and finite-dimensional wavelet approximations

12:00-12:30: Igor Borisov, Sobolev Institute of Mathematics, ????

Title: Stochastic integrals of nonrandom kernels for nonorthogonal stochastic measures and some statistical applications

12:30-2:00: Lunch

2:00-3:00: Roman Vershynin, University of California at Davis., vershynin@math.ucdavis.edu

Title: Small Ball Probabilities in Geometric Functional Analysis

3:00-3:30: Wenbo Li, University of Delaware, wli@math.udel.edu

Title: Small Value Probabilities: Progresses and Prospects

3:30-4:00: Coffee Break

4:00-4:30: Fuchang Gao, University of Idaho, fuchang@uidaho.edu

Title: Upper Bound Estimate for the Small Deviation Probability of Some Gaussian Random Fields

4:30-5:00: Pawel Hitczenko, Drexel University, phitczen@mcs.drexel.edu

Title: Probability Distributions Arising in the Context of Random Partitions

June 21

9:00-10:00: Dmitry Panchenko, MIT, panchenk@math.mit.edu

Title: On the Sherrington-Kirkpatrick Model

10:00-10:30: Ingo Steinward, Los alamos National laboratory

Title: Some Oracle Type Inequalities for Regularized Risk Minimizers

10:30-11:00: Coffee Break

11:00-11:30: Vladimir Koltchinskii, University of New Mexico, vlad@math.unm.edu
Title: Concentration Inequalities and Asymptotic Results for Ratio Type Empirical Processes

11:30-12:00: WeiBiao Wu, University of Chicago, wbwu@galton.uchicago.edu
Title: Empirical Processes of Stationary Sequences

12:00-12:30: Alexander Rakhlin, MIT., ????
Title: Some Properties of Empirical Risk Minimization Over Donsker Classes

12:30-2:00: Lunch

2:00-3:00: Christian Houdré, Georgia Tech, houdre@math.gatech.edu
Title: On the Concentration Phenomenona for Infinitely Divisible Laws

3:00-3:30: Magda Peligrad, University of Cincinnati, peligrm@math.uc.edu
Title: Sharp Inequalities and Asymptotic Results under Martingale-like Conditions

3:30-4:00: Coffee Break

4:00-4:30: Iosif Pinelis, Michigan Technological University, ipinelis@mtu.edu
Title: Exact Probability Inequalities with Applications

4:30-5:00: Victor de la Peña, Columbia University, vp@wald.stat.columbia.edu
Title: Some Sharp Inequalities

June 22

9:00-10:00: Richard M. Dudley, MIT, rmd@math.mit.edu
Title: Functionals of Location and Scatter

10:00-10:30: Jay Rosen, College of Staten Island, CUNY, jrosen3@earthlink.net
Title: The Most Visited Site of a Symmetric Stable Process and the Supremum of Fractional Brownian Motion

10:30-11:00: Coffee Break

11:00-11:30: Josh Rushton, University of Wisconsin-Madison, rushton@math.wisc.edu
Title: A Lower Tail Functional LIL for α -stable Processes in R^d : Invariance for Lévy and Partial Sum Processes

11:30-12:00: Sam Efromovich, University of New Mexico, ???
Title: Nonparametric Regression: Univariate Regression in the Presence of Auxiliary Covariates and Error Density Estimation

June 23

9:00-10:00: Xia Chen, University of Tennessee, xchen@math.utk.edu
Title: The Self Intersection of a Single Brownian Trajectory, and the Mutual Intersection of Several Independent Brownian Trajectories

10:00-10:30: Donsheng Wu, Michigan State University, wudongsh@msu.edu
Title: Geometric Properties of the Images of Fractional Brownian Sheets

10:30-11:00: Coffee Break

11:00-11:30: Miguel Arcones, Binghamton University, arcones@math.binghamton.edu
Title: Efficiency of Confidence Intervals

11:30-12:00: Dragan Radulovic, Florida Atlantic University, radulovi@fau.edu
Title: The Block-wise Bootstrap and Central Limit Theorem, Recent Results

12:00-12:30: Joel Zinn, Texas A&M, jzinn@math.tamu.edu
Title: Some Empirical Limit and Concentration Results

12:30-2:00: Lunch

2:00-3:00: Jim Kuelbs, University of Wisconsin-Madison, kuelbs@math.wisc.edu
Title: Dominating Points: What Are They, and Why Are They of Interests

3:00-3:30: Sergei Utev, University of Nottingham, ?????
Title: What Do We Know about the Reed-Frost Epidemic Model?

3:30-4:00: Coffee Break

4:00-4:30: Richard Nickl, University of Vienna, richard.nickl@univie.ac.at
Title: Donsker-Type Theorems for Nonparametric Maximum Likelihood Estimators

4:30-5:00: Lyudmila Sakhanenko, Michigan State University, luda@stt.msu.edu
Title: Integral Curves of Noisy Vector Fields: Nonparametric Kernel Estimation and Hypotheses Testing

5:00-5:30: Rafal Kulik, University of Ottawa, rkuli438@science.uottawa.ca
Title: Invariance Principles for Self-normalized Martingales and Mixing Sequences

June 24

9:00-10:00: Jon Wellner, University of Washington, jaw@stat.washington.edu
Title: Rates of Convergence for MLE's and Minimum Contrast Estimators via Empirical Process Methods

10:00-10:30: Paul Deheuvels, LSTA, University of Paris 6, pd@ccr.jussieu.fr
Title: On the k-spaciings with Applications

10:30-11:00: Coffee Break

11:00-11:30: Evarist Giné, University of Connecticut, gine@math.uconn.edu
Title: Local U-statistics Processes I

11:30-12:00: David M Mason, University of Delaware, davidm@UDel.Edu
Title: Local U-statistics Processes II

12:00-12:30: Paul Eggermont, University of Delaware, eggermon@udel.edu
Title: Uniform Error Bounds for Smoothing Splines

12:30-2:00: Lunch

2:00-3:00: Jorgen Hoffmann-Jorgensen, University of Aarhus, hoff@imf.au.dk
Title: Integral Representations with Applications to the Marginal Problem and Stochastic Orderings

3:00-3:30: Andrei Volodin, University of Regina, andrei@math.uregina.ca
Title: The Complete Convergence Rates and the Law of Logarithm for the Bootstrap of the Mean

3:30-4:00: Coffee Break

4:00-4:30: Sabir Umarov, University of New Mexico, sabir@math.unm.edu
Title: Fractional Differential Equations and Diffusion Processes

4:30-5:00: Peter K. Molnar, University of Alberta, pmolnar@ualberta.ca
Title: On the Construction of Confidence Bands for Probability Distributions in Arbitrary Sample Spaces: The Bootstrap Approach