

Overview of Scientific Program

Mo 9:30-10:00 Opening Ceremony

Mo 10:00-11:00 Wald Lecture 1

1. Trees, spatial branching processes and random graphs I, Jean-François Le Gall

Mo 11:30-13:00 Sessions slot 1

1. Levy processes and applications. Organizer: Thomas Mikosch
2. Causal Inference. Organizer: Odd Aalen
3. Complex Computer Modeling. Organizer: Maria Bayarri
4. Spin glasses and disordered systems. Organizer: Fabio-Lucio Toninelli
5. ISI 125 years: History and Future of Statistical Societies. Organizer: J.L. Teugels
6. Bayesian Inference (contributed)
7. Statistical genetics (contributed)

Mo 14:30-16:00 Sessions slot 2

1. Insurance and risk management. Organizer: Claudia Kluppelberg
2. Spatial modelling in ecology and environmental sciences. Organizer: Montserrat Fuentes
3. Monte Carlo. Organizer: Arnaud Doucet
4. Random media and heat kernels. Organizer: Takashi Kumagai
5. ~~4~~ Graphical Models. Organizer: Steffen Lauritzen
6. ~~5~~ Stochastic models in biology (contributed).
7. ~~6~~ Sequential statistical analysis (contributed).

Tu 9:30-10:15 Special Lecture 1

1. Statistics and Climate Change, Reto Knutti

Tu 10:15-11:00 Medallion Lecture 1

1. The Many Faces of the Random Conductance Model. Marek Biskup

Tu 9:30-11:00 Sessions slot 3

2. Interacting particle systems. Organizer: Tom Mountford
3. Stochastic numerical and simulation methods. Organizer: Denis Talay
4. Rough path analysis. Organizer: Terry Lyons
5. Composite Likelihood. Organizer: Nancy Reid
6. Medical statistics and inverse problems (contributed).
7. Model selection (contributed).

Tu 11:30-13:00 Sessions slot 4

1. Stochastic models in evolution. Organizer: Sylvie Meleard
2. Machine Learning: Classification and Variable Selection. Organizer: Michael Jordan
3. Financial markets in energy, climate and natural resources. Organizer: Enrique Thomann
4. Functional Data Analysis. Organizer: Hans Muller
5. Extreme values (contributed).
6. Percolation and particle systems (contributed).
7. Random fields and random graphs (contributed).

Tu 14:30-16:00 Sessions slot 5

1. Stochastic networks. Organizer: Ruth Williams
2. Branching Processes. Organizer: Vladimir Vatutin
3. Stochastic models in genetics. Organizer: Anton Wakolbinger
4. Data Mining and Machine Learning (sparsity and exploration). Organizer:

- Liza Levina
- Portfolio optimization. Organizer: Fred Benth
 - Spatial and high-dimensional statistics (contributed).
 - Brownian motion, Levy processes and SDE (contributed).

Tu 16:30-18:00 Presidential Address

- Michel J. Steele

Tu 18:00-20:00 Poster Session

We 10:00-11:00 Rietz Lecture

- Statistical models for spatial-temporal processes, Michael Stein

We 11:30-13:00 Sessions slot 6

- Extreme Value Theory and/or Applications. Organizer: Laurens de Haan
- SPDE. Organizer: Roger Tribe
- Percolation models. Organizer: Rob van den Berg
- Information Theory and Statistics. Organizer: Martin J. Wainwright
- Design of Computer Experiments. Organizer: David Steinberg
- Finance (contributed).
- Survival analysis (contributed).

We 14:30-15:15 Special Lecture 2

- Stochastic Finance and Financial Markets, José A. Scheinkman

We 14:30-16:00 Sessions slot 7

- Time Series related to the physical and environmental sciences. Organizer: Richard Davis
- Renormalization groups in probability and statistical physics. Organizer: David Brydges
- Statistics, Physics, and Astrophysics. Organizer: Louis Lyons

- Random motion in random environment and/or reinforcement. Organizer: Silke Rolles
- Objective Bayes. Organizer: Dongchu Sun
- Estimation (contributed).

We 16:30-18:00 Sessions slot 8

- Telecommunications. Organizer: Sid Resnick
- Evolutionary and Population Genetics. Organizer: Steve Krone
- Oded Schramm memorial session. Organizer: Yuval Peres
- Nonparametric Inverse Problems. Organizer: Aurore Delaigle
- Finance and volatility (contributed).
- Regression A (contributed).

Th 9:30-10:15 Medallion Lecture 2

- Spatial extremes and max-stable processes, Laurens de Haan

Th 10:15-11:00 Wald Lecture 2

- Trees, spatial branching processes and random graphs II, Jean-François Le Gall

Th 09:30-11:00 Sessions slot 9

- General methodological issues in time series. Organizer: Peter Brockwell
- Coalescent. Organizer: Jean Bertoin
- Polymer models. Organizer: Frank den Hollander
- Special Sessions on Medical Statistics. Organizers: Ziad Taib, Carl-Fredrik Burman, Rebecka Jörnsten
- Scaling limits and conformal invariance. Organizer: Wendelin Werner

Th 11:30-13:00 Sessions slot 10

1. Evaluation of Models for Climate Change and Weather Prediction. Organizer: Doug Nychka
2. Probability in analysis and pdes. Organizer: Rabi Bhattacharya
3. Random maps and trees. Organizer: Jean-Francois Le Gall
4. Epidemiology of Infectious Diseases. Organizer: Christl Donnelly
5. Finance and econometrics (contributed).
6. Graphical models (contributed).

Fr 9:30-10:15 Medallion Lecture 3

1. Risk, Model Risk, and Knightian Uncertainty: On the Role of Probability in Finance, Hans Föllmer

Fr 10:15-11:00 Wald Lecture 3

1. Trees, spatial branching processes and random graphs III, Jean-François Le Gall

Fr 9:30-11:00 Sessions slot 11

2. Random graphs and complex networks. Organizer: Olle Häggström
3. Impacts of Climate Change. Organizer: Steve Sain
4. Genomics. Organizer: Lei Sun
5. Price bubbles. Organizer: Philip Protter
6. Dependence and copulas (contributed).
7. Statistical models (contributed).

Fr 11:30-13:00 Sessions slot 12

1. Neuroscience, imaging and random fields. Organizer: Robert Adler
2. Statistical and stochastic issues at the interface of molecular biology and genomics. Organizer: Warren Ewens
3. Erich Lehmann Memorial Session. Organizer: Willem Van Zwet
4. Random matrices and applications. Organizer: Jinho Baik
5. Regression B (contributed).
6. Time series (contributed).
7. Statistical tests and applications (contributed).

Fr 14:30-16:00 Sessions slot 13

1. Spatial Epidemiology and Epidemiologic Surveillance. Organizer: Andrew Lawson
2. Branching processes and biological applications (contributed).
3. Time series estimation (contributed).
4. Summary statistics (contributed).
5. Probability and Markov chains (contributed).

