

Program for SSIAB10

Wednesday, 21/5:

8:30-9:00 *Registration (Fredrik Bajers Vej 7G, 9220 Aalborg)*

9:00-10:15 Presentations (3) (all presentations are in room G5-109)

Guan, Yongtao: A new estimation approach for combining epidemiological data from multiple sources

Ghorbani, Mohammad: On mean and Variance for an estimator of the spatio-temporal product density function

Waagepetersen, Rasmus: Multivariate Cox processes

10:15-10:45 *Coffee break (coffee breaks are just outside the lecture room)*

10:45-12:00 Presentations (3)

Redenbach, Claudia: Spatial statistics for the analysis of polar ice cores

Drouilhet, Rémy: Playing with EBSpatCGAL a R package dedicated to simulation and estimation in the framework of Gibbs nearest-neighbour point processes

Bonneu, Florent: Modelling spatio-temporal multi-structured patterns of forest fires

12:00-13:30 *Lunch at Novi (Niels Jernes Vej 10, 9220 Aalborg)*

13:30-14:45 Presentations (3)

Delmas, Céline: VCEM algorithm for the log-Gaussian Cox process

Peyrard, Nathalie: VBEM algorithm for the Log Gaussian Cox Process

Dvorák, Jirí: Inhomogeneous space-time shot-noise Cox point processes – asymptotics for estimators based on projection processes

14:45-15:15 *Coffee break*

15:15-16:30 Presentations (3)

Coeurjolly, Jean-Francois: Stein estimation of the intensity of a stationary spatial Poisson point process

Gabriel, Edith: Defining a variographic approach from the characteristics of a point process to estimate and predict the local intensity of partially observed data

Legland, David: Spatial normalisation of replicated point patterns for the estimation of average intensity map

18:30 *Dinner at Prinses Juliane (Vestre Havnepromenade 2, 9000 Aalborg)*

Thursday, 22/5:

9:00-10:15 Presentations (3)

Benes, Viktor: U-statistics in stochastic geometry and their characteristics

Mrkvicka, Tomáš: Global envelope tests, part I: the test principles

Hahn, Ute: Global envelope tests, part II: extensions

10:15-10:45 *Coffee break*

10:45-12:00 Presentations (3)

Ylitalo, Anna-Kaisa: Exposing the spatio-temporal nature of eye movement data

Särkkä, Aila: Stochastic modeling of eye movements

Kärkkäinen, Salme: On the use of percent model affinity index in biomonitoring

12:00-13:30 *Lunch at Novi*

13:30-14:45 Presentations (3)

Helisová, Katerina: Quermass-interaction process with non-circular grains

van Lieshout, Marie-Colette: A Spectral Mean for Point Sampled Closed Curves

Kiêu, Kiên: Towards pseudo-likelihood inference for Gibbsian T-tessellations

14:45-15:15 *Coffee break*

15:15-16:30 Presentations (3)

Trubuil, Alain: Some specific problems of dynamics recovery in cell biology

Lavancier, Frédéric: A general procedure to combine estimators

Clemmensen, Line H.: Prediction of $L^*a^*b^*$ values for meat

18:30 *Tour and dinner at Lindholm Høje Museum (Vendilavej 11, 9400 Nørresundby)*

Friday, 23/5:

9:00-10:40 Presentations (4)

Genton, Marc G.: Cross-Covariance Functions for Multivariate Geostatistics

Guillot, Gilles: Covariance models for the analysis of genetic variation

Senoussi, Rachid: Characterization and new models of anisotropy for spatial data

Soubeyrand, Samuel: Handling dependencies in spatial, temporal and genetic variables to reconstruct routes of transmissions of pathogens

10:40-11:00 *Coffee break*

11:00-12:40 Presentations (4)

Andersen, Ina Trolle: Matérn thinned Cox point processes

Safavimanesh, Farzaneh: Poisson Line Cluster Point Processes

Rasmussen, Jakob G.: Spatial cluster point processes related to Poisson-Voronoi tessellations

Hooghoudt, Jan-Otto: Inferring the spatial distribution of intracellular proteins: A Bayesian approach using Fluorescence Resonance Energy Transfer-data

12:40 *Lunch at Novi*