

Preliminary program

Sunday, May 15, 2022

Arrivals

16:30-18:30 A walk/nature trip to the tip of Kalvikinniemi (see page bottom for more pictures)

19:00- Welcome reception at the Sofia hotel

Monday, May 16, 2022

9:00-9:15 Welcome and opening.

9:15-10:15 Session 1:

Illian, Janine: Components and all that - teaching inlabru outside the wee black box

Kostensalo, Joel: Point patterns and structural diversity – Balancing between tree detection, misdetection, and nondetection

10:15-10:45 Coffee break with fruit

10:45-12:15 Session 2:

Kuronen, Mikko: Testing global and local dependence of point patterns on covariates in parametric models

Dvorák, Jiří: Partial correlation analysis for the intensity function of spatial point processes

Vanhatalo, Jarno: Bayesian model based spatiotemporal survey designs and partially observed log Gaussian Cox process

12:15-14:00 Lunch / Meeting: *Strengthening bilateral collaboration between French and Finnish research teams*

14:00-15:00 Session 3:

Dupont, Emiko: Spatial confounding and spatial+

Nordhausen, Klaus: Test of the latent dimension of a spatial blind source separation model

15:00-15:30 Coffee break

15:30-17:00 Session 4:

Eckardt, Matthias: Beyond scalar-valued marked point patterns - introducing object-valued marks

Vieille, Bartholomé: Laplace transform of a multivariate Hawkes process

Waagepetersen, Rasmus: Second-order semiparametric inference for multivariate log Gaussian Cox processes

17:00-19:30 Possibility for sauna, swimming or walks / Meeting *"Strengthening bilateral collaboration between French and Finnish research teams"* continues.

19:30- Dinner at Sofia

Tuesday, May 17, 2022**9:15-10:15 Session 5:**

Seitl, Filip: Fitting three-dimensional Laguerre tessellations by hierarchical marked point process models

Reype, Christophe: Parameter estimation and pattern analysis for the HUG model a point process for sources detection in hydrochemical data

10:15-10:45 Coffee break with fruit

10:45-12:15 Session 6:

Laxton, Megan: Scale optimisation and multiscale animal movement modelling

Ylitalo, Anna-Kaisa: Analysing movement behaviour of wolves using hidden Markov models

Mehtätalo, Lauri: Estimation of forest stand characteristics using individual tree detection, stochastic geometry and a sequential spatial point process model

12:15-13:45 Lunch / Meeting: *"Future of SSIAB"*

13:45-14:45 Session 7:

Kansanen, Kasper: Horvitz-Thompson-like estimation with distance-based detection probabilities for circular plot sampling of forests

Pawlasová, Kateřina: Supervised nonparametric classification for replicated point patterns

14:45-15:00 Coffee break

15:00-16:00 Session 8:

Lu, Changqing: Data-driven chimney fire risk prediction using machine learning and point process tools.

Mrkvicka, Tomáš: False discovery rate envelope for motorcycles crash data

16:44 A (HSL) bus leaves from Sofia towards the city centre.

19:00- Conference dinner in the centre of Helsinki

Wednesday, May 18, 2022

9:00-9:20 Refreshments

9:20-10:50 Session 9:

Konstantinou, Konstantinos: Spatial thinning model for epidermal nerve fibers

Karafiátová, Iva: Stochastic methods in microstructure analysis

Redenbach, Claudia: Detecting anisotropy in spatial point patterns

11:00-12:30 Lunch

12:30 Bus transfer to Metsätalo in the city centre for those attending the satellite event
(https://www.lyyti.fi/p/Workshop_on_Spatial_Statistics/en/satellite_event)

