



CENTRE FOR **STOCHASTIC GEOMETRY**
AND ADVANCED **BIOIMAGING**

Thirteenth Internal CSGB Workshop

HUSET, Middelfart, 3 - 4 November 2016

Programme

The workshop will be held in HUSET, Hindsgavl Allé 2, 5500 Middelfart.

Thursday 3 November 2016

11.00-12.00 Research talks

- Jens R. Nyengaard, AU-bio: *Sampling and analysis of nerve fibres from corneal confocal microscopy*
- Björn Sander, AU-bio: *Classification of single-particle images by expectation maximization*

12.00-13.00 Lunch

13.00-14.30 Research talks (continued)

- Ege Rubak, AAU: *Spatial point processes on the sphere*
- Christophe Biscio, AAU: *The accumulated persistence function, a new useful functional summary statistic for topological data analysis, with a view to brain artery trees and spatial point process applications*

14.30-15.00 Coffee/tea

15.00-16.00 Afternoon walk

16.00-17.30 Research talks (continued)

- Aasa Feragen, KU: *Metrics on covariance matrices - are they useful and should we try to generalize them to Gaussian processes?*
- Line Kühnel, KU: *Regression model for data on a manifold*
- Eva B. Vedel Jensen, AU-math: *Estimation of sample spacing*

18.00 Dinner

Friday 4 November 2016

09.00-10.00 Research talks (continued)

- Ina Trolle Andersen, AU-math: *Spatial point process models for PALM microscopy*
- Christian Hauskov Iversen, AU-bio: *AutoRSA*

10.00-11.00 Administrative meeting, coffee/tea

11.00-12.00 Group discussions

12.00-13.00 Lunch and departure