



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

Fourteenth Internal CSGB Workshop

Hotel Hvide Hus, Aalborg, 4 – 5 May 2017

Programme

The workshop will be held in Hotel Hvide Hus, Vesterbro 2, 9000 Aalborg.

Thursday 4 May 2017

11.00-12.00 Research talks

- Matthew Liptrot, KU: *Streamlets and persistent homology*
- Anton Jussi Olavi Mallasto, KU: *Wasserstein distance between Gaussian processes*

12.00-13.00 Lunch

13.00-14.30 Research talks (continued)

- Ina Trolle Andersen, AU-math: *Processes of spatial points with multiple noisy appearances*
- Andreas Dyreborg Christoffersen, AAU: *Iterative cluster processes*
- Rasmus Waagepetersen, AAU: *Orthogonal series estimation of the pair correlation function of a spatial point process*

14.30-15.00 Coffee/tea

15.00-16.00 Afternoon walk

16.00-17.30 Research talks (continued)

- Abdel-Rahman Al-Absi, AU-bio: *Different methods for 3D reconstruction of neurons*
- Stine Hasselholt, AU-bio: *Estimation of cell volume in the brain – practice and potential bias*
- Mads Stehr, AU-math: *The Cavalieri estimator with unequal section spacing revisited*

19.00 Dinner

Friday 5 May 2017

09.00-10.00 Research talks (continued)

- Stefan Sommer, KU: *A geometric framework for stochastic shape analysis*
- Jens R. Nyengaard, AU-bio: *Sampling and analysis of nerve fibres from corneal confocal microscopy II*

10.00-11.00 Administrative meeting and junior meeting, coffee/tea

11.00-12.00 Group discussions

12.00-13.00 Lunch and departure