



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

## Twelfth Internal CSGB Workshop

Sauntehus Slotshotel, Hornbæk, 19 - 20 May 2016

### Programme

The workshop will be held in Sauntehus Slotshotel, Saunte Bygade 50, 3100 Hornbæk.

#### Thursday 19 May 2016

11.00-12.00 Research talks

- Andrew du Plessis, AU-math: *Some mathematics behind reconstruction*
- Stefan Sommer, KU: *Stochastic evolution equations in geometric mechanics*

12.00-13.00 Lunch

13.00-14.30 Research talks (continued)

- Rasmus Waagepetersen, AAU: *Palm distributions for log Gaussian Cox processes*
- Jesper Møller, AAU: *Palm distributions and functional summary statistics for point processes on the sphere*
- Ute Hahn, AU-math: *Point processes in ultra microscopy*

14.30-15.00 Coffee/tea

15.00-16.00 Afternoon walk

16.00-17.30 Research talks (continued)

- Björn Sander, AU-bio: *Class averaging in cryo-EM*
- Stine Hasselholt, AU-bio: *Practical application of FIB-SEM for brain imaging*
- Abdel-Rahman Al-Absi, AU-bio: *3D reconstruction of neuronal dendritic trees and spines*

19.00 Dinner

## Friday 20 May 2016

09.00-10.00 Research talks (continued)

- Line Kühnel, KU: *Regression models for data on manifolds*
- Aasa Feragen/Sune Darkner, KU: *Assessing significance of estimated white-matter tracts: open problems*

10.00-11.00 Group discussions, coffee/tea

11.00-12.00 Administrative meeting

12.00-13.00 Lunch and departure