



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

Ninth internal CSGB Workshop

Severin Kursuscenter, Middelfart, 6-7 November 2014

Programme

The workshop will be held in Severin Kursuscenter, Skovsvinget 25, 5500 Middelfart.

Thursday 6 November 2014

11.00-12.00 Research talks

- Stefan Sommer, KU: *Diffusion processes and PCA on affine manifolds*
- Aasa Feragen, KU: *Geodesic exponential kernels: when curvature and linearity conflict*

12.00-13.00 Lunch

13.00-14.30 Presentation and discussion of PhD projects

- Sabrina Tang Christensen, AU-math: *Reconstruction of r -regular surfaces*
- Jan-Otto Hooghoudt, AAU: *Inferring the spatial distribution of intracellular proteins: a Bayesian approach using fluorescence resonance energy transfer data*
- Mahdieh Khanmohamadi, KU: *Analysis of synaptic vesicle's shape and interaction*

14.30-15.00 Coffee/tea

15.00-16.00 Afternoon walk along Lillebælt

16.00-17.30 Research talks (continued)

- Jens R. Nyengaard, AU-bio: *Challenges with FIB-SEM*
- Ute Hahn, AU-math: *Monte Carlo envelope tests for random closed sets*
- Eva B. Vedel Jensen, AU-math: *Tail asymptotics for infinitely divisible random fields*

19.00 Dinner

Friday 7 November 2014

09.00-10.00 Research talks (continued)

- Ege Rubak, AAU: *Determinantal point process models*

10.00-11.00 Group discussions, coffee/tea

11.00-12.00 Administrative meeting

12.00-13.00 Lunch and departure