



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

## Seventeenth Internal CSGB Workshop

HUSET, Middelfart, 8 - 9 November 2018

### Programme

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

#### Thursday 8 November 2018

11.00-12.00 Research talks

- Jens R. Nyengaard, AU-bio: *Gender differences in brain structure and function*
- Abdel-Rahman Al-Absi, AU-bio: *Investigating the excitatory and the inhibitory synapses in animal models of schizophrenia*

12.00-13.00 Lunch

13.00-14.30 Research talks (continued)

- Francisco Andrés Cuevas Pacheco, AAU: *A family of covariance functions for random fields on spheres*
- Mads Stehr, AU-math: *Extremal properties over time of an infinitely divisible random field with convolution equivalent Lévy measure*
- Louis Gammelgaard Jensen, AU-math: *Cluster marked cluster point processes*

14.30-15.00 Coffee/tea

15.00-16.00 Afternoon walk

16.00-17.00 Research talks (continued)

- Christian Hirsch, AAU: *Goodness of fit tests for point processes via topological data analysis*
- Jon Sparring, KU: *Ripley's K-function for space curves*

18.00 Dinner

## Friday 9 November 2018

09.00-10.00 Research talks (continued)

- Rikke Eriksen, AU-math: *Uniqueness of the measurement function in Crofton's formula*
- Mathias Højgaard Jensen, KU: *Stochastic bridge simulation on manifolds*

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

11.00-12.00 Group discussions

12.00-13.00 Lunch and departure