



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

Sixteenth Internal CSGB Workshop

Musholm, Korsør, 31 May – 1 June 2018

Programme

The workshop will be held at Musholm, [Musholmvej 100, 4220 Korsør](#).

Thursday 31 May 2018

11.00-12.00 Research talks

- Tom Dela Haije, KU: *Estimating orientations from diffusion MRI using fiber processes*
- Hans Jacob T. Stephensen, KU: *Model-based registration approach to correcting drifted FIB-SEM images*

12.00-13.00 Lunch

13.00-14.30 Research talks (continued)

- Heidi Søggaard Christensen, AAU: *Structured space-sphere point processes and K-functions*
- Francisco Andrés Cuevas Pacheco, AAU: *Log Gaussian Cox processes on the sphere*
- Kristian Bjørn Hessellund, AAU: *Statistical analysis of multivariate point patterns using a case-control approach*

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: *Recording and sorting of the electrical activity from acute brain slices using microelectrode array*
- Helene Svane, AU-math: *Reconstruction from refined digital images*
- Line Kühnel, KU: *Noise estimation in stochastic image registration*

18.00 Dinner

Friday 1 June 2018

09.00-10.00 Research talks (continued)

- Markus Kiderlen, AU-math: *The shape from moments problem: uniqueness and stability results*
- Jens R. Nyengaard, AU-bio: *Volume tensor estimation with the planar rotator, its practical implementation and comparison with the optical rotator*

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

11.00-12.00 Group discussions

12.00-13.00 Lunch and departure