



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

Tenth Internal CSGB Workshop

Vraa Slotshotel, Tylstrup, 7-8 May 2015

Programme

The workshop will be held in Vraa Slotshotel, Gammel Vråvej 66, 9382 Tylstrup.

Thursday 7 May 2015

11.00-12.00 Research talks

- Markus Kiderlen, AU-math: *Shape from tensors*
- Anders Rønn-Nielsen, KU: *Excursion sets for convolution equivalent fields*

12.00-13.00 Lunch

13.00-14.30 Research talks (continued)

- Jakob G. Rasmussen, AAU: *Point process models on linear networks*
- Sune Darkner, KU: *Iso-contours/Isophotes for segmentation, density estimation and similarity*
- Ali Hoseinpour Rafati, AU-bio: *Practical implementation of tensors in thick histological sections*

14.30-15.00 Coffee/tea

15.00-16.30 Research talks (continued)

- Jens R. Nyengaard, AU-bio: *Microscopy projects in CSGB II requiring collaborative efforts*
- Jon Sparring, KU: *Parametric density estimation of point sets in thick slices*
- Karl-Anton Dorph-Petersen, AU-bio: *Improved variance prediction for stereological estimators of total number*

17.45 Guided tour in Vraa Slotshotel

18.30 Dinner

Friday 8 May 2015

09.00-10.00 Research talks (continued)

- Mads Nielsen, KU: *Stationary velocity fields non-rigid registration and application to brain atrophy*
- Rasmus Waagepetersen, AAU: *Multivariate product-shot-noise Cox point process models*

10.00-11.00 Group discussions, coffee/tea

11.00-12.00 Administrative meeting

12.00-13.00 Lunch and departure