

## Fifth internal CSGB Workshop

**Dragør 24-25 May 2012**

The workshop is held in Dragør Badehotel, Drogdensvej 43, 2791 Dragør, (<http://www.badehotellet.dk/uk/>)

### Thursday 24 May 2012

11.00-12.00 Short research talks

- Stefan Sommer, KU: *Sparsity and scale: image registration and compact deformation description*
- Ali Rafati, AU-bio: *Informative data for minicolumn modelling*

12.00-13.00 Lunch

13.00-14.30 Presentation and discussion of PhD and postdoc projects

- Anne Marie Svane, AU-math: *Local digital estimators of intrinsic volumes applied to Boolean models*
- Katrine Hommelhoff Jensen, KU: *Single-particle 3D reconstruction from cryo-electron microscopy images*
- Allan Rasmusson, AU-bio: *Computational stereology*
- Mahdiah Khanmohamadi, KU: *Vesicle segmentation and modeling in electron microscope images*

14.30-15.00 Coffee

15:00-16:00 Short excursion by the seaside and around Dragør Fort

16.00-17.00 Discussions in groups – first session

- Jesper Møller, AAU, Jakob G. Rasmussen, AAU, Farzaneh Safavimanesh, AAU, Jens R. Nyengaard, AU-bio, and Ali Hoseinpoor Rafati, AU-bio: *Modelling minicolumns by particle processes*
- Eva B. Vedel Jensen/Markus Kiderlen, AU-math: *Integral geometry of tensors*
- Francois Lauze, KU, Katrine Hommelhoff Jensen, KU, Björn Sander, AU-bio, and Monika Golas, AU-bio: *Reconstruction algorithms in cryo-EM*

17.00-18.00

- Rasmus Larsen, DTU: *Image analysis and computer vision with applications in technical and life sciences*

19:00 (app.) Dinner at Mads Niensens residence, Strandlinien 59, 2791 Dragør (200 meters from the hotel)

## Friday 25 May 2012

09.30-10.00 Short research talks (continued)

- Rasmus Waagepetersen, AAU: *Estimating functions for Gibbs point processes*

10.00-11.00 Discussions in groups – second session

- Jan-Otto Hooghoudt, AAU, Rasmus Waagepetersen, AAU, Jens R. Nyengaard, AU-bio, and Merete Raarup, AU-bio: *Statistical methods for inferring spatial structure of FRET microscopy data*
- Jon Sporning, KU: *Relations between scales when estimating local histograms/distributions for regularly sampled data*

11.00-12.00 Administrative meeting and coffee

12.00- Lunch and departure