

Fourth Internal CSGB Workshop

Aarhus 17th – 18th November 2011

The workshop is held at Studenterhusfonden, Fredrik Nielsens Vej 2-4, DK-8000 Aarhus C. The main part of the workshop will take place in conference room 2.3 where projector, white board and black board are available. We have reserved two additional rooms, room 1.2 and 1.3, for the group discussions.

Thursday 17th November 2011

11.00-12.00: Short research talks

- Sami Brandt, KU: *Image registration and reconstruction in electron microscopy*
- Katrine Hommelhoff Jensen, KU: *Single-particle 3D reconstruction from cryo-electron microscopy images*

12.00-13.00: Lunch buffet served in 'Kaffestue 1'

13.00-13.30: Short research talks (continued)

- Ólöf Thorisdóttir, AU-math: *Variance of surface area estimators from central sections*

13.30-15.00: Presentation and discussion of PhD and postdoc projects

- Mohammad Ghorbani, AAU: *Aspects of space-time point process modeling and inference*
- Jan-Otto Hooghoudt, AAU: *Inference of within cell protein interactions and spatial structure, using FRET*
- Ali Hoseinpoor Rafati, AU-bio: *Minicolumns*
- Jai Rai, AU-bio: *Cryo-EM and the pyruvate dehydrogenase complex*

15.00-15.30: Coffee, tea and fruit

15.30-17.00: Group discussions

- Eva B. Vedel Jensen/Jérémy Auneau-Cognacq, AU-math: *Rotational integral geometry of Minkowski tensors*
- Ege Rubak, AAU, Jens Ledet Jensen, AU-math, and Merete Raarup, AU-bio: *Statistical analysis of FRET data*
- Jon Sparring, KU, and Jens Nyengaard, AU-bio: *Vesicle segmentation and modeling in electron microscope images*
- Björn Sander and Monika Golas, AU-bio: *Cryo-EM*
- Jesper Møller/Jakob G. Rasmussen: *A class of Voronoi-Cox point processes*

17.00-18.00: Check into Best Western Hotel Ritz, Banegaardspladsen 12, DK-8000 Aarhus C

18.00-18.30: Walk/drive to ARoS (art museum)

18.30-19.30: Guided tour at ARoS with English-speaking guide

19.30-22.00: Dinner buffet at ARoS

- Dinner buffet menu (in Danish and English): Røget hellefisk med sprøde salater og æbler - Smoked Greenland halibut with salad and apples, Vindblæst gris med syltede svampe og syrecreme - Pig with preserved mushrooms and crème, Salat med krebsehaler og syltede tranebær - Salad with crayfish tails and preserved cranberries, Oksefilet med marinerede kartofler og urter - Fillet steak with marinated potatoes and herbs, Svinekam i krydderurter med glaseret rødkål - Pork loin with glazed red cabbage, Danske oste med nødder - Danish cheeses with nuts, Brunsviger og karamel - Danish brunsviger cake and caramel

Friday 18th November 2011

09.00-9.30: Jens Nyengaard, AU-bio: *Overview of microscopy experiments relating to CSGB research projects*

09.30-10.00: Presentation and discussion of PhD and postdoc projects (continued)

- Ute Hahn, AU-math/Ina Trolle Andersen, AU-math/bio: *Model assisted probability sampling*

10.00-11.00: Administrative meeting and coffee, tea and fruit

11.00- : Early lunch buffet served in 'Kaffestue 1'

For further information, please contact:

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