

10:th Annual SeRC Meeting

May 15-16 2019, Söderköpings brunn

Program

Wednesday 15/5

- 9.15 **Chartered buses depart from KTH, Lindstedsvägen 3 (registration needed)**
- 12.00 **Lunch**
- 13.00-13.30 **SeRC 2.0**
Dan Henningson, SeRC Director, KTH
- 13.30-14.00 **Brain-IT Invited Speaker: Advancing brain research through mathematical modeling and IT**
Marja-Leena Linne, Tampere University
- 14.00-14.30 **DCMD Invited Speaker: Computational Chemistry at IWR**
Andreas Dreuw, Heidelberg University
- 14.30-14.45 **Modelling the striatal microcircuitry**
Johannes Hjort, KTH
- 14.45-15.00 **Beyond standard deep learning**
Hossein Azizpour, Robotics KTH
- 15.00-15.30 **Coffee and Check-in**
- 15.30-15.45 **Breast cancer - Tumor progression and image analysis**
Maya Alsheh Ali and Gabriel Isheden, KI
- 15.45-16.00 **Efficient gather-scatter operations in Nek5000**
Niklas Jansson, PDC Center for High Performance Computing
- 16.00-16.15 **High-throughput identification of point defects in SiC**
Joel Davidsson, LiU
- 16.15-16.30 **Topological feature directed data analysis and visualization**
Talha Bin Masood, LiU
- 16.30-17.00 **Equal Opportunities - Current approaches in the Swedish academic community**
Ericka Johnson, LiU
- 17.00-17.30 **SeRC 2.0 Challenges: Impact**
Panel Discussion
- 17.30-17.45 **Master's students presentation**
- 17.45 **Mingling in the lounge with activities for master's students**
- 19.30 **Dinner**

Thursday 16/5

- 9.00-9.30 **SESSI Invited Speaker: High speed flow simulation: a look forward to exa-scale**
Neil Sandham, University of Southampton
- 9.30-10.00 **eCPC Invited speaker:**
Bayesian nonparametric sampling and stochastic simulation of probabilistic models
Chris Holmes, University of Oxford
- 10.00-10.30 **Coffee and Check-out**
- 10.30-11.00 **Visual Data Analytics Invited Speaker**
Hans-Christian Hege, Zuse Institute Berlin (ZIB)
- 11.00-11.30 **Data Science Invited Speaker**
Amy Loutfi, Center for Applied Autonomous Sensor Systems, Örebro University
- 11.30-11.45 **SeRC 2.0 Challenges: E-science education within SeRC**
Arvind Kumar, KTH
- 11.45-12.00 **Closing**
- 12.00 **Lunch**
- 13.00 **Chartered buses to KTH depart from Söderköping (registration needed)**
- 13.00-15.00 **Steering Board meeting**