

Welcome to
the 10th CeNano Symposium
in Nanoscience and Nanotechnology

Thursday, November 27, 2014

Lecture hall Planck, Physics Building, Linköping University

Program

- 8.30-8.35 Welcome
- 8.35-8.50 Imaging strategies for dynamic and responsive supramolecular nanostructures by applying low-kV and in-situ transmission electron microscope *Ingemar Persson and Camilla Sandén*
- 8.50-9.05 The missing link between theory and experiment for the understanding of the nanostructure of amorphous boron carbide *Annop Ektarawong*
- 9.05-9.20 Biocompatibility studies of engineered nanoparticles aimed for use in biomedical applications *Natalia Abrikosova*
- 9.20-9.35 Investigating magnetron sputter epitaxy of ZrB₂ on MOCVD grown GaN epilayers for potential use in High Electron Mobility Transistors *Lina Tengdelius and Xun Li*
- 9.35-9.50 Organic/inorganic hybrid structures fabricated utilizing III-N nanorods *Mathias Forsberg*
- 9.50-10.05 Designed nanoparticles for graphene-based gas sensors *Rickard Gunnarsson*
- 10.05-10.20 Coffee
- 10.20-10.35 Sum decomposition of Mueller matrices of biological nanostructures *Roger Magnusson*
- 10.35-10.50 Interface coherency studies in c-Ti_{1-x}Cr_xN/h-AlN and c-Ti_{1-x}Zr_xN/h-AlN (x=0-1) multilayers *Siva Phani Kumar Yalamanchili and Fei Wang*
- 10.50-11.05 Eu-doped Gd₂O₃ nanoparticles for specific dual-modal biomedical imaging *Andreas Skallberg*
- 11.05-11.20 Surface diffusion studies of non-carbide forming adatoms on graphene surfaces *Linda Karlsson and Chamseddine Bouhafsa*
- 11.20-11.35 Developing a smart electronic paper based on piezoelectric nanowires *Eiman Nour*

- 11.35-11.50 Registration of nanoparticle-microelectrode collisions: electroanalysis for nanomaterials characterization and environmental monitoring *Alina Sekretaryova and Onur Parlak*
- 11.50-12.05 Boron nitride – the ultimate substrate for graphene *Mihails Cubarovs*
- 12.05-13.15 Lunch
- 13.15-14.00 Invited talk: Plasmonically amplified fluorescence biosensors *Dr Jakob Dostalek, Austrian Institute of Technology, Vienna*
- 14.00-14.15 Synthesis and characterization of chiral organic nanostructures *Lia Fernandez Del Rio*
- 14.15-14.30 Tailoring the light emission efficiency of ZnO nanoparticles via polymer coating for optoelectronic applications *Martin Eriksson and Deping Qian*
- 14.30-14.45 Nanomechanical and nanodynamic properties of protein entities participating in dynamic conformational selection and multimodular recognition *Madhanagopal Anandapadamanaban*
- 14.45-15.00 Lanthanide nanoparticles as multimodal agents for theranostic applications *Peter Eriksson*
- 15.00-15.05 Closing