

Welcome to

the 15th CeNano Symposium

in Nanoscience and Nanotechnology

Thursday, December 5, 2019
Lecture hall BL32 (Nobel), Campus Valla, Linköping University

Program

- 10.15-10.20 Welcome
- 10.20-10.35 “Optical and Mechanical studies of Bouligand Structures” Samiran Bairagi and Yusheng Yuan
- 10.35-10.50 “Exploring corrosion properties of self-organized core-shell nanostructured $Zr_{1-x}Ta_x$ thin films grown by hybrid Ta-HiPIMS/ZrB₂-DCMS scheme” Babak Bakhit and Arman Molaei
- 10.50-11.05 “Nanoparticle activated Neutrophils studied by electrical means using a capacitive sensor chip” Anna Du Rietz and Joni Kilpijärvi
- 11.05-11.15 Short break, coffee
- 11.15-11.30 “Graphene-Nanoparticle hybrid gas sensor” Marius Rodner & Sebastian Ekeröth
- 11.30-11.45 “Towards Efficient and Stable Deep Blue Light-Emitting Diodes” Heyong Wang and Yongzhen Chen
- 11.45-12.00 “Magnetic-Nanoparticle mediated manipulation of cells in a hydrogel matrix” Michael Jury and Kalle Bunnfors
- 12.00-13.15 Lunch (Register to get a lunch wrap)
- 13.15-14.00 Invited talk: Prof. Christelle Prinz, NanoLund. “Nanowires for bioapplications”
- 14.00-14.15 “Investigation of alumina scale development on PtAl and MCrAlY coatings during high temperature oxidation by PLS for gas turbine application” Pimin Zhang and Mattias Jansson
- 14.15-14.30 “A Ratiometric Fluorescent System for Lysosome pH Detection” Xin Zhang and Daniel Andersson
- 14.30-14.45 Break, coffee

- 14.45-15.00 "Protein corona formation on as-prepared and dextran coated Gd-CeNPs, possessing ROS-scavenging and MRI enhancing properties" Peter Eriksson and Maria Assenhøj
- 15.00-15.15 Alloyed lead-free halide double perovskites for optoelectronic applications” Johan Klarbring and Fuxiang Ji
- 15.15-15.30 Concluding remarks
- 15.30-16.00 Lab tour at National Supercomputer Centre (NSC), limited number of participants.