

Welcome to
the 13th CeNano Symposium
in Nanoscience and Nanotechnology

Monday, December 4, 2017

Lecture hall U1, C Building, Campus Valla, Linköping University

Program

- 9.00-9.05 Welcome
- 9.05-9.25 Nanostructured single phase CaMnO_3 thin films for thermoelectric applications
Erik Ekström and Johan Klarbring
- 9.25-9.45 Graphene-nanoparticle hybrid gas sensor *Marius Rodner and Rickard Gunnarsson*
- 9.45-10.05 Characterization of Neutrophil Extracellular Traps (NETs) formation on iron oxide and titanium oxide nanoparticle based surfaces *Anderas Skallberg, Rickard Gunnarsson and Sebastian Ekeröth*
- 10.05-10.35 Coffee
- 10.30-10.50 Theoretical characterization of point defects in silicon carbide and other materials *Joel Davidsson and Björn Lundqvist*
- 10.50-11.10 High performance light-emitting diodes based on nanometer-sized perovskite crystallites *Heyong Wang and Yong Yu*
- 11.10-11.30 Utilization of surface directed spinodal decomposition to design nanorod based opto-electronic devices" *Elena Alexandra Serban and Fei Wang*
- 11.30-11.50 Exploring surface functionalized MXene for spin/polarization-sensitive optoelectronic applications *Yuqing Huang and Quanzheng Tao*
- 11.50-12.10 In situ observations of nanoparticle precipitation during cooling in Inconel 718
Dunyong Deng and Ingemar Persson
- 12.10-13.15 Lunch
- 13.15-14.00 Invited talk: Harnessing nuclease biology for the development of diagnostic and therapeutic strategies

PhD Frank Hernandez, Research Fellow within the Wallenberg Centre for Molecular Medicine (WCMM), LiU

14.00-14.20 Experimental characterization and theoretical modelling of the antioxidant/catalytic properties of cerium oxide nanoparticles” *Peter Eriksson and Alexey Tal*

14.20-14.40 In situ spectroscopic ellipsometry as a tool to study reductive surface chemistry in plasma CVD *Hama Nadhom and Andreas Jamnig*

14.40-15.00 Closing