Symposium Dec. 19. Nanostructures: Fabrication and characterisation

First session, Theory and optical properties of nanostructures

Chair: Adam Burke, Lund University

13.15 **Nanowire bandstructure**

Erik Löfquist, Viktor Wallén

13.30 **Theoretical modeling of Coulomb blockade using rate equations**

André Andersen, Oskar Andersson

13.45 **Determination of the Band-Offset between wurtzite and zinc-blende InP using photoluminescence.**

Carl Henrik Dahmén, Sebastiano Scrofani

14.00 **Time resolved photoluminescence measurement of wurtzite InP nanowire**

Asmita Jash, Diego Fossion

14.15 **Deposition of Gold particles on the side walls of InP and InGaP nanowires,**

Kristi Adham, Alfredo Serafini

14.30-15.00 Break

Second session, Electrical and device applications of nanostructures

Chair: Mats-Erik Pistol, Lund University

15.00 **Nanofabrication of channels using Electron beam lithography**

Gautham Rangasamy, Mohammad Al Abrash

15.15 **Small polytype-defined double quantum dots**

Anton Johansson

15.30 **Transport characterization of electrostatically defined double quantum dots in nanowires**

Hanna Berg, Blake Kasper

15.45 **IV-measurements of InP NW solar cells**

Klara Novakova, Axel Sandberg