

Schedule for Wednesday, Dec 16 in K:404

13.15 *Aerotaxy growth of nanowires*

Gustaf Onsbring, Andreas Ingelström, Kaivalya Mevada

13.30 *Investigation on Sn particle formation on InAs substrates*

Linus Ludvigsson, Hengfang Zhang

13.45 *Top Down Nanowire Fabrication and Characterisation*

Bram ter Huurne, Lukas Stelzer, Magnus Dahl

14.00 *Fabrication of band-engineered diodes using compositionally graded $\text{InAs}_{1-x}\text{P}_x$ heterostructured nanowires*

Edvin Winqvist, Albin Linder, Daniel Svedbrand

14.15 *Nanofluidics in hollow nanowires*

Johannes Kühle, Odd Restad, Emil Nylander

14.30 *Magneto-Characterization of a Two Dimensional Electron Gas (2DEG)*

Ivan Sytsevich, Georg Wolgast

14.45 **Break**

15.15 *Coulomb blockade theory with rate equations*

Georgios Gkioulis, Christian Möhle, Marcus Tornberg

15.30 *Electrical current noise in quantum point contacts*

Daniel Damberg, Alexander Davidson Bryan

15.45 *Calculation of the band-structure of GaAs using k.p-theory*

Viktor Svensson, Johan Holmstedt, Davíð Örn Þorsteinsson

16.00 *Nanowire bandstructure*

Andreas Malmgren, Hampus M Jönsson

16.15 *Modeling of absorption and emission of light in semiconductor nanowires*

Sang Lun, Cedric Hendrikx, Samuel Vermeulen