

Status Meeting of the Hannover School for Nanotechnology 08.02.2017

09:00 Greetings

09:00 - 10:20 Session I:

- Phase magnification by two-axis counter-twisting for detection noise robust interferometry
Speaker: **Fabian Anders**
Supervisors: C. Klempt, W. Ertmer
- Ultrasensitive Current Sensor with Quantum Dots
Speaker: **Benedikt Brechtken**
Supervisors: R. Haug, N. Bigall
- Synthesis and Optical Investigation of Nickel and Nickel Sulfide Nanoparticles
Speaker: **Rasmus Himstedt**
Supervisors: D. Dorfs, D. Bahnemann
- Electronic Devices for Gas Sensing based on Metal-Organic Frameworks (MOF)
Speaker: **Liz Margarita Montañez**
Supervisors: J. Osten, J. Caro

10:20 - 10:50 Coffee Break

10:50 - 12:10 Session II:

- Design of metal-organic frameworks for sensing applications
Speaker: **Malte Schäfer**
Supervisors: P. Behrens, S. Zimmermann
- Graphene-based sensors: the role of adsorbates probed by surface transport
Speaker: **Jan Phillip Stöckmann**
Supervisors: C. Tegenkamp, S. Sindelar, F. Renz
- Graphene Based Sensors: Functionalisation with Molecular Switches
Speaker: **Dominik Natke**
Supervisors: F. Renz, R. Sindelar, C. Tegenkamp
- Metal-organic frameworks as sensors
Speaker: **Ina Strauß**
Supervisors: J. Caro, N. Guschanski, T. Wietler

Afterwards: Group Photo

(14:00 Opening Ceremony hsn-sensors)