

IHRS NANONET Annual Workshop 2013

Dresden, 10 October 2013

- 09:00 – 09:10 Welcome
- 09:15 – 09:25 Artur Erbe (Helmholtz-Zentrum Dresden-Rossendorf)
International Helmholtz Research School for Nanoelectronic Networks
- 09:25 – 10:05 Keynote talk: Robert M. Metzger (University of Alabama, USA)
Inching towards four-electrode contacts to a single molecule
- 10:05 – 10:45 Keynote talk: Herre van der Zant (TU Delft, The Netherlands)
Single-molecule electronic components
- 10:45 – 11:00 Coffee break
- 11:00 – 11:40 Keynote talk: Heike R. Riel (IBM Research Zurich, Switzerland)
tbd
- 11:40 – 12:20 Keynote talk: Kurt V. Gothelf (Aarhus University, Denmark)
DNA-Programmed assembly of conjugated polymers
- 12:20 – 13:30 Lunch break
- 13:30 – 13:55 Invited talk: Gianaurelio Cuniberti (TU Dresden)
A bottom-up route to enhance thermoelectric figures of merit in graphene nanoribbons
- 13:55 – 14:20 Invited talk: Francesca Moresco (TU Dresden)
STM controlled manipulation of single molecules and molecular structures
- 14:20 – 14:45 Invited talk: Anton Kiriya (Leibniz Institute of Polymer Research Dresden)
Controlled polycondensation at work: synthesis of well-defined semiconducting polymers for needs of organic electronics
- 14:45 – 15:00 Coffee break
- 15:00 – 15:25 Invited talk: Adrian Keller (Helmholtz-Zentrum Dresden-Rossendorf)
DNA origami-based nanodevices
- 15:25 – 15:50 Invited talk: Jochen Grebing (Helmholtz-Zentrum Dresden-Rossendorf)
Electronic devices based on nanowires
- 15:50 – 17:20 Poster session
- 17:40 – 18:00 Poster prize ceremony
- 18:00 Dinner