

PROGRAM

Bad Honnef Physics School 2023

Exciting nanostructures: Characterizing advanced confined systems

30 July - 4 August 2023, Physikzentrum Bad Honnef

Organized by Christian Klinke (University of Rostock) and Nikolai Gaponik (TU Dresden)

Sunday, 30 July 2023

17:00 – 21:00 *Registration*

18:30 DINNER / Informal get together

Monday, 31 July 2023

08:00 BREAKFAST

08:45 – 09:00 *Opening and welcome*
Prof. Christian Klinke and Prof. Nikolai Gaponik

09:00 – 10:15 *Nanocrystal optics: history and emerging directions*
Prof. Jochen Feldmann (LMU Munich)

10:15 – 10:45 COFFEE BREAK

10:45 – 12:00 *Synthesis principles of advanced nanostructures*
Prof. Iwan Moreels (Ghent University)

12:00 **Conference Photo (in front of the Physikzentrum)**

12:15 LUNCH

14:30 – 15:45 *Theory of nanostructures*
Prof. Steven Erwin (Naval Research Laboratory)

15:45 – 16:15 COFFEE BREAK

16:15 – 17:30 *Flash talks by the students*
Each talk has 2 min with 1 slide on their subject/poster

18:30 DINNER

Tuesday, 1 August 2023

08:00	BREAKFAST
09:00 – 10:15	<i>Two-dimensional colloidal nanostructures</i> Prof. Iwan Moreels (Ghent University)
10:15 – 10:45	COFFEE BREAK
10:45 – 12:00	<i>X-ray methods in the nanosciences</i> Dr. Ivan Zaluzhnyy (University of Tübingen)
12:15	LUNCH
14:30 – 15:45	<i>Surface properties of nanostructures</i> Prof. Dmitri Talapin (University of Chicago)
15:45 – 16:15	COFFEE BREAK
16:15 – 17:30	<i>Electronic transport through colloidal nanomaterials</i> Dr. Maria Ibanez (IST Austria)
18:30	DINNER
19:30	Poster session 1

Wednesday, 2 August 2023

08:00	BREAKFAST
09:00 – 10:15	<i>Beyond Conventional Quantum Dots</i> Prof. Celso de Mello Donega (Utrecht University)
10:15 – 10:45	COFFEE BREAK
10:45 – 12:00	<i>Perovskite nanomaterials</i> Prof. Maksym Kovalenko (ETH Zurich)
12:15	LUNCH
14:00 – 18:00	Excursion & Café (hike in the vicinity, boat trip in case of rain)
18:30	DINNER (at the Physikzentrum)
19:30 – 21:00	Meet the Editor(s) Prof. Maksym Kovalenko (ETH Zurich and Associate Editor of <i>ACS Chemistry of Materials</i>) Prof. Dmitri Talapin (University of Chicago and Associate Editor of <i>RSC Chemical Science</i>)

Thursday, 3 August 2023

08:00	BREAKFAST
09:00 – 10:15	<i>Luminescence Quantum Yield of Nanomaterials</i> Dr. Ute Resch-Genger (BAM, Berlin)
10:15 – 10:45	COFFEE BREAK
10:45 – 12:00	<i>THz spectroscopy and nanostructures</i> Prof. Jannika Lauth (University of Tübingen)
12:15	LUNCH
14:30 – 15:45	<i>Magnetooptics of Nanostructures</i> Dr. Elena Shornikova (University of Dortmund)
15:45 – 16:15	COFFEE BREAK
16:15 – 17:30	<i>Nanostructures in electronic applications</i> Prof. Vanni Lughì (University of Trieste)
18:30	DINNER
19:30	Poster session 2

Friday, 4 August 2023

08:00	BREAKFAST
09:00 – 10:15	<i>Nanomaterials in lighting applications: state of the art</i> Prof. Hilmi Volkan Demir (Bilkent University)
10:15 – 10:45	COFFEE BREAK
10:45 – 12:00	<i>Nanomaterials for light harvesting</i> Dr. Ryan Crisp (University of Erlangen)
12:00 – 12:15	<i>Poster awards and closing remarks</i> Prof. Christian Klinké and Prof. Nikolai Gaponik
12:30	LUNCH

End of the physics school and Departure