

PROGRAM

DPG Summer school 2019

Exciting nanostructures: Characterizing advanced confined systems

22 - 27 July 2019, Physikzentrum Bad Honnef

Organized by Christian Klink (Swansea University) and Nikolai Gaponik (TU Dresden)

Monday, 22 July 2019:

History of colloidal nanostructures

Prof. Alexander Eychmüller (TU Dresden)

Synthesis principles of advanced nanostructures

Prof. David J. Norris (ETH Zurich)

LUNCH

Two-dimensional nanostructures

Prof. Sandrine Ithurria (ESPCI Paris)

Basics of electronic transport through nanostructures

Dr. Andres Castellanos (CSIC Instituto de Ciencia de los Materiales de Madrid)

DINNER

Tuesday, 23 July 2019:

Synthesis principles of advanced nanostructures

Prof. David J. Norris (ETH Zurich)

Hybrid nanostructures

Dr. Vladimir Lesnyak (TU Dresden)

LUNCH

Theory of nanostructures

Prof. Alexander Efros (US Naval Research Laboratory)

Theory of electronic properties of nanostructures

Dr. Ilaria Ciofini (Chimie Paristech)

DINNER / Poster session 1

Wednesday, 24 July 2019:

Principles of optical spectroscopy of nanostructures

Prof. Sergey V. Gaponenko (Academy of Science Belarus)

THz spectroscopy and nanostructures

Dr. Jannika Lauth (University of Oldenburg)

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EXCURSION: Hiking / Boat trip

Thursday, 25 July 2019:

Scanning tunneling microscopy on nanostructures

Prof. Roberto Otero (IMDEA Madrid)

Spectroscopic electrochemistry with nanoparticles

Prof. Stephen Hickey (University of Bradford)

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Nuclear Magnetic Resonance with colloidal nanostructures

Prof. Zeger Hens (University of Gent)

Nanoparticles in biological environments

Prof. Beatriz H. Juarez (IMDEA Madrid)

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Poster session 2

Friday, 26 July 2019:

Advanced characterization of nanomaterials

Dr. Ute Resch-Genger (BAM Berlin)

Spectroscopic electrochemistry with nanoparticles

Prof. Stephen Hickey (University of Bradford)

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