

The Future of Nanoscience Program

Time	Tuesday, 04.09.	Wednesday, 05.09.	Thursday, 06.09.
9:00		Kazunori Kataoka (p.13) Self-assembled supramolecular nano-systems for smart diagnosis (...)	Jörg Wrachtrup (p.23) Cooling by measurement
9:30		Roland Netz (p.14) Influenza, Cholera and Anthrax inhibition by tailored multivalent nano-ligands	Daniel J. Müller (p.24) Mechanically detecting and directing molecular and cellular processes (...)
10:00		Lukas Schmidt-Mende (p.15) Defects in metal halide perovskites	Eva Weig (p.25) Noise-induced nonlinear dynamics of high Q nanomechanical resonators
10:30		Coffee Break (45 min)	Coffee Break (45 min)
11:15	Registration	Klaus Ensslin (p.16) Quantum confinement in graphene (...)	Udo Bach (p.26) Back-contact and dipole-field concepts (...)
11:45	Lunch	Alexander Govorov (p.17) Plasmonic bio-assemblies (...)	Wolfgang Parak (p.27) Unraveling nanoparticle - cell interaction
12:15		Poster Session (p.32-63) with Finger Food Lunch	Florian Marquardt (p.28) Topological transport of phonons at the nanoscale
13:00	Opening: Thomas Bein Welcome addresses: LMU Vice President Barbara Conradt & TUM Senior Vice President Juliane Winkelmann		Lunch
13:15	Andreas Walraff (p.8) Deterministic quantum state transfer (...)		
13:45	Jörn Dunkel (p.9) Higher-order hydrodynamics for active and quantum fluids		
14:15	Ib Chorkendorff (p.10) Mass-selected nanoparticles for conversion of sustainable energy		Michael Wasielewski (p.29) Nanostructures for artificial photosynthesis
14:45	Paul Chaikin (p.11) Self-replication, exponential growth, (...) using DNA origami.		Matthias Schneider (p.30) From physics to living systems (...)
15:15	Coffee Break (45 min)	Technology Transfer Session Dirk Haft (Attocube) (p.18-22) Niels Fertig (Nanion) Stefan Duhr (NanoTemper) Federico Bürsgens (GNA Biosolutions) Roman Zantl (ibidi)	William Shih (p.31) DNA-origami barrels
16:00	Highlights of NIM (p.12) Rudolf Gross (WMI / TU München) Achim Wixforth (Universität Augsburg)		Closing remarks: Friedrich Simmel
17:00	Thomas Bein (LMU München) Erwin Frey (LMU München) Ernst Wagner (LMU München)	Break	
18:00	Dinner at Akademie / Hotel	Conference Dinner with Boat Excursion	
20:00	Panel Discussion (p.12) Harald Lesch (LMU München) Robert Schlögl (MPI CEC) Petra Schwillie (MPI Biochemie) Christian Kehr (TU Braunschweig)	Boarding: 17:45 h at Anlegestelle Tutzing	
22:00	Informal Discussion with drinks (Salons / parlors in the castle)	Informal Discussion with drinks (Salons / parlors in the castle)	Talks and special sessions: Musiksaal Posters: Rosengarten or Castle Meals: Restaurant / Coffee breaks: Foyer

- Area I - Quantum Physics
- Area II - Hybrid Systems
- Area III - Energy Conversion
- Area IV - Nano Bio
- Area V - Nano Medicine
- Special Sessions

Venues (see map on page 5)

Talks and special sessions: Musiksaal
 Posters: Rosengarten or Castle
 Meals: Restaurant / Coffee breaks: Foyer