

Monday 10.October 2011 Universitätsstraße 5, Seminargebäude, S420	Tuesday 11.October 2011 Universitätsstraße 5, Seminargebäude, S420
8:45 - 9:00 Welcome Note	
9:00 - 9:45 Dieter Braun, LMU München <i>Thermophoresis for Medicine and Evolution</i>	9:00 - 9:45 Ralf Vogelgesang, MPI for Solid State Research Stuttgart <i>Farfield control of optical nearfields at plasmonic nanostructures</i>
9:45 -10:30 Alois Würger, Université Bordeaux I <i>Leidenfrost droplets on a ratchet</i>	9:45 - 10:30 Gregory Hartland, University of Notre Dame <i>Transient absorption microscopy studies of single metal and semiconductor nanostructures</i>
10:30 - 11:00 coffee break	10:30 - 11:00 coffee break
11:00 - 11:45 Haw Yang, Princeton University <i>3D tracking of single heated colloidal particles in solution</i>	11:00 - 11:15 Markus Lippitz, MPI for Solid State Research Stuttgart <i>An optical antenna for spectroscopy of a nanoparticle's breathing mode</i> 11:15 - 12:00 Michel Orrit, Universiteit Leiden <i>Alignment and hot Brownian motion of a single nanorod in an optical trap</i>
11:45 - 13:30 lunch	12:00 - 13:30 lunch
13:30 - 14:15 Masaki Sano, University of Tokyo <i>Active Colloids: from external to self-control of nonequilibrium transports of colloids</i>	13:30 -14:15 Jean-Louis Barrat, Université Joseph Fourier Grenoble <i>Nanoscale heat transfer: what can we learn from molecular simulation?</i>

<p>14:15 - 15:00 Ramin Golestanian, University of Oxford <i>Collective thermotaxis of self-thermophoretic active colloids</i></p>	<p>14:15 - 14:30 Markus Selmke, Universität Leipzig <i>Hot Nanoparticle Diffusion probed by Twin-Focus Photothermal Correlation Spectroscopy</i></p> <p>14:30 - 14:45 Dipanjan Chakraborty, Universität Leipzig <i>Generalized Einstein relation for hot Brownian motion</i></p> <p>14:45 - 15:00 Werner Köhler, Universität Bayreuth <i>Transient cage formation around laser-heated gold colloids in polymer solutions</i></p>
<p>15:00 - 15:15 Giovanni Volpe, Universität Stuttgart <i>Behavior of Microswimmers in Complex Environments</i></p>	<p>15:00 - 15:30 <i>coffee break</i></p>
<p>15:15 - 15:30 Matthias Krüger, MIT <i>Casimir interactions between hot and cold nanoparticles</i></p>	<p>15:30 - 15:50 Claire Cobley, MPI for Intelligent Systems Stuttgart <i>Gold Nanocages: A New Platform for Biomedical Applications</i></p>
<p>15:30 - 16:00 <i>coffee break</i></p>	<p>15:50-16:35 Brahim Lounis, Université Bordeaux I <i>Photothermal detection of nanometer-sized absorbing objects</i></p>
<p>16:00 - 16:45 Peter Reimann, Universität Bielefeld <i>Anisotropic diffusion in square lattice potentials: giant enhancement and control</i></p>	<p>16:35 Closing Notes</p>
<p>17:30 - 19:00 Posters in the restaurant „Bayrischer Bahnhof“</p>	<p>17:00 Optional Lab Tour and Visit of the Physics Department</p>
<p>19:00 Dinner</p>	