

Highland Spring School on Mesoscopic Physics: Towards quantum technologies

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GPS 49°17'41"N, 15°29'14.05"E

**4/4/2018
Wednesday**

9:00:00 AM	12:00:00 PM	Transport to Trest (2 hrs from Prague, 3 hrs from Vienna)
12:00:00 PM	1:30:00 PM	Lunch, accommodation
1:30:00 PM	2:30:00 PM	Shangran Xie (Max-Planck Institute for the Science of Light) <i>Optical trapping and optomechanics in hollow-core photonic crystal fibers</i>
2:30:00 PM	2:45:00 PM	Break, coffee, tea, water, discussion,...
2:45:00 PM	3:45:00 PM	Jon Ander Arregi Uribeetxebarria (Central European Institute of Technology, Brno) <i>Shining Light on Nanomagnets</i>
3:45:00 PM	4:00:00 PM	Break, coffee, tea, water, cake, discussion,...
4:00:00 PM	5:00:00 PM	Alexander Shalin (The International Research Center for Nanophotonics and Metamaterials) <i>Optical manipulation due to surface and volume modes of plasmonic and metamaterial systems</i>
5:00:00 PM	5:15:00 PM	Break, coffee, tea, water, discussion,...
5:15:00 PM	6:15:00 PM	Oto Brzobohatý (CAS, Institute of Scientific Instruments) <i>Optical binding</i>
7:30:00 PM	12:30:00 AM	Dinner (raut), wine tasting, Dulcimer music, poster session, discussions, ...

**4/5/2018
Thursday**

7:00:00 AM	9:00:00 AM	Breakfast
8:30:00 AM	9:30:00 AM	Yoshihiko Arita (University of St Andrews) <i>Exploring rotational degrees of freedom in levitated optomechanics</i>
9:30:00 AM	9:45:00 AM	Break, coffee, tea, water, discussion,...
9:45:00 AM	10:45:00 AM	Stefan Kuhn (University of Vienna) <i>Rotational Optomechanics</i>
10:45:00 AM	11:00:00 AM	Break, coffee, tea, water, discussion,...
11:00:00 AM	12:00:00 PM	Miroslav Kolíbal (Central European Institute of Technology, Brno) <i>Preparation of one-dimensional nanostructures: the case of germanium and tungsten oxide</i>
12:00:00 PM	1:30:00 PM	Lunch
1:30:00 PM	2:30:00 PM	Free afternoon
2:30:00 PM	3:30:00 PM	
3:30:00 PM	4:30:00 PM	René Reimann (ETH Zürich) <i>Optically Levitated Nanoparticles: Measuring and Controlling Internal and External Degrees of Freedom</i>
4:30:00 PM	4:45:00 PM	Break, coffee, tea, water, discussion,...
4:45:00 PM	5:45:00 PM	Pau Mestres (University of Innsbruck) <i>Levitated nanoparticles, cavities and ions</i>
5:45:00 PM	6:00:00 PM	Break, coffee, tea, water, discussion,...
6:00:00 PM	7:00:00 PM	Vijay Jain (Yale University) <i>Levitated opto-mechanics at the photon recoil limit</i>
7:30:00 PM	12:30:00 AM	Dinner (roasted pork), poster session, beer, discussions, ...

**4/6/2018
Friday**

7:00:00 AM	9:00:00 AM	Breakfast
8:30:00 AM	9:30:00 AM	Artem Ryabov (Charles University, Prague) <i>Transient dynamics and quasi-stationary energetics of highly unstable systems</i>
9:30:00 AM	9:45:00 AM	Break, coffee, tea, water, discussion,...
9:45:00 AM	10:45:00 AM	Roman Noskov (Tel Aviv University) <i>Optomechanics with nanostructured optical waveguides</i>
10:45:00 AM	11:00:00 AM	Break, coffee, tea, water, discussion,...
11:00:00 AM	12:00:00 PM	Tomáš Tyc (Masaryk University, Brno) <i>Imaging and trapping by multimode fibres</i>
12:00:00 PM	1:30:00 PM	Lunch
1:30:00 PM	2:00:00 PM	Transport invited foreign speakers to airports
3:00:00 PM	4:00:00 PM	
4:00:00 PM	5:00:00 PM	ISI labtour
5:00:00 PM	6:00:00 PM	
6:00:00 PM	8:00:00 PM	FREE EVENING IN BRNO