BuildMoNa

UNIVERSITÄT LEIPZIG

BuildMoNa Module 2016-T4
From Molecules to Materials – Artificial molecules and solid state crystals
Monday, 19 September to Tuesday, 20 September 2016
Universität Leipzig, 04103 Leipzig, Linnéstr. 5,
Lecture Hall for Theoretical Physics

Agenda

Monday, 19 September 2016

10:00 Welcome address

10:10 Prof. Dr. Jan M. van Ruitenbeek
Leiden University, Netherlands
Electron transport through single-molecule junctions

11:00 Dr. Paolo Olivero
University of Torino, Italy
Fabrication of conductive micro/nano-structures in diamond with MeV ion beams

11:50 *Lunch break*

13:50 Dr. Daniel Spemann
Leibniz Institute of Surface Modification, Leipzig
Deterministic ion implantation for engineering arrays of atoms at the nanoscale

14:40 Prof. Dr. Christoph Becher
Universität des Saarlandes, Saarbrücken
Coherent control and optical interfacing of single color centers in diamond

15:30 Group photo shooting (in front of main building)

15:40 Poster Session (Aula)

16:30 *Fingerfood (Aula)*

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Tuesday, 20 September 2016

10:00	Dr. Sébastien Pezzagna Universität Leipzig *Creation, engineering and application of optical centres in diamond*
10:50	Prof. Dr. Ralf Seidel Universität Leipzig *Using DNA building blocks to self-assemble inorganic matter*
11:40	*Lunch break*
13:40	Prof. Dr. Fedor Jelezko Ulm University *Diamond light-matter quantum interface*
14:30	Dr. Jose Luis Barzola Quiquia Universität Leipzig *Magnetotransport properties of carbon based materials*
15:20	Prospective end