



UNIVERSITÄT
LEIPZIG



BuildMoNa Module 2019-T4
From Molecules to Materials – Quantum Mechanics at Work:
Quantum Systems for Applications

Thursday, 10 October to Friday, 11 October 2019

Universität Leipzig, Außenstelle Zingst/Ostsee,
Müggenburger Weg 29a, 18374 Zingst

Preliminary Agenda

Thursday, 10 October 2019

- 10:00 Welcome address
Prof. Dr. Jan Meijer
- 10:10 Prof. Dr. Kilian Singer
Universität Kassel
t.b.a.
- 11:10 Dr. Boris Naydenov
Helmholtz-Zentrum Berlin für Materialien und Energie
Nanoscale Magnetic Resonance
- 12:10 *Lunch break*
- 14:00 Dr. Stefan Kubsky
Synchrotron SOLEIL, GIF-SUR-YVETTE, France
Synchrotron science and technology - new challenges and scientific options
- 15:00 Group photo shooting (in front of main building)
- 15:15 Poster Session
- 18:00 Dinner at Restaurant Schlösschen



Friday, 11 October 2019

- 10:00 Dr. Sébastien Pezzagna
Universität Leipzig
Screening and engineering of colour centres in diamond for quantum-based applications
- 11:00 Roger John
Universität Leipzig
Spherical harmonic spin operators: Orthonormal construction, symmetry relations and application to NV centres
- 12:00 *Lunch break*
- 14:00 Prof. Dr. Gopalakrishnan Balasubramanian
Max-Planck-Institut für biophysikalische Chemie, Göttingen
t.b.a.
- 15:00 Dr. Ralf Wunderlich
Universität Leipzig
Optically induced hyperpolarization
- 16:00 Prospective end