UNIVERSITÄT PADERBORN
Die Universität der Informationsgesellschaft

SFB TRR 142

technische universität
dortmund

SFB/TRR 142 "Tailored Nonlinear Photonics"
2nd International Workshop

February, Tuesday 14th, 2017	
9:45	**Welcome**
10:00	Dr. Sergej Poltavtcev (A02): *"Transient four-wave mixing on trions and donor-bound excitons in ZnO semiconductor structures"*
10:30	Dr. Przemyslaw Lewandowski (A04): *"Optical control of polariton dynamics in semiconductor microcavities"*
11:00	Thomas Czerniuk (A06): *"Picosecond acoustics for the modulation and nanoscopy of light sources"*
11:30	Prof. Dr. Richard Warburton, Experimental Physics, University of Basel: "Spins in a self-assembled quantum dot"
12:30	**Lunch break**
13:30	Dirk Heinze (A03): *"Quantum-light sources based on two-photon processes in semiconductor quantum dots"*
14:00	Dr. Amlan Mukherjee (C04): *"Ultrafast coherent electric control of a single quantum dot exciton"*
14:30	Prof. Dr. Dirk Reuter (Z01): *"Molecular beam epitaxy of quantum dot and quantum dot molecule heterostructures"*
15:00	**Coffee break**
15:30	Prof. Dr. Dmitri Yakovlev (B01): *"Optical harmonic generation spectroscopy of excitons in ZnO and ZnSe"*
16:00	Prof. Dr. Markus Betz (B02): *"Intersubband physics of tailored cubic GaN/AlN heterostructures"*
16:30	Poster session
18:00	**Dinner at the „Welcome Hotel"**
19:30	**Departure to: "Paderbowling", Liborigalerie**
20:00-open end	**Social Event: Bowling**

February, Wednesday 15th , 2017	
9:00	Prof. Dr. Jens Förstner (A05): *"Second Harmonic Generation in hybrid nanoantennas with surface roughness"*
9:30	Jun.-Prof. Tim Bartley: *"Towards Integrated Measurement-Induced Nonlinearity in Lithium Niobate Waveguides with Superconducting Detectors"*
10:00	Prof. Dr. Kurt Busch, Theoretische Optik und Photonik, Humboldt-Universität Berlin: *tba*
11:00	**Coffee break**
11:15	Jun. Prof. Dr. Polina Sharapova: *"Linear and Non-linear Interferometry based on Monolithic Integration of a Parametric Down-conversion Source"*
11:45	Prof. Dr. Mirko Cinchetti: *"Mapping transient hot electron distributions in energy and momentum space with time-resolved photoelectron spectroscopy"*
12:15	**Lunch break**
13:00	Poster session
14:00	Dr. Claudio Attaccalite, Aix-Marseille Université, Marseille, France: *"Nonlinear response in extended systems: A real-time approach"*
15:00	Michael Friedrich (B04): *"Optical properties of lithium niobate from first principles"*
15:30	**Coffee break**
16:00	Michael Rüsing (B03): *"Optical and structural properties of uniaxial ferroelectrics"*
16:30	Markus Allgaier (C01): *"Highly efficient bandwidth compression of quantum light"*
17:00	Dr. Kai-Hong Luo (C02): *"Monolithic integration of parametric down-conversion sources and a two photon interferometer"*
17:30	**Concluding remarks**