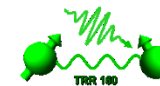




Program - ICRC workshop

Location: Mercure Hotel Dortmund Centrum (alter "Römischer Kaiser"), Olpe 2



Tuesday, 06.02.2018

- 09.30-09:45 welcome remarks
- 09:45-10:30 Mirko Cinchetti:
"Ultrafast spin and charge dynamics in 2d-electron systems"
- 10:30-11:00 coffee break
- 11:00-11:30 Götz Uhrig:
"Progress and challenges in the theoretical description of pulsed quantum dots"
- 11:30-12:00 A. Grelich and V. Belykh:
"Advanced pump-probe spectroscopy of localized spins"
- 12:00-13:30 lunch
- 13:30-14:00 Sergey Poltavtcev:
"Photon echo spectroscopy of charged excitons in semiconductor nanostructures"
- 14:00-14:30 Elena Shornikova:
"Spin dependent phenomena on excitons and trions in colloidal nanocrystals"
- 14:30-15:00 Victor Sapega:
"Spin flip Raman scattering in colloidal nanocrystals: the case of CsPbBr₃ perovskites and CdSe nanoplatelets"
- 15:00-18:00 poster session & discussion & coffee

Wednesday, 07.02.2018

- 09:00-09:45 Bernhard Urbaszek, Toulouse
"Optical properties of 2D semiconductors in van der Waals heterostructures"
- 09:45-10:30 Alberta Bonanni, University of Linz
"Modulated III-nitride structures and perspectives for proximity-driven phenomena"
- 10:30-11:00 coffee break
- 11:00-11:30 Dmitri Yakovlev:
"Exciton spectroscopy by means of optical harmonic generation"
- 11:30-12:00 Alexey Scherbakov:
"Ultrafast acoustic modulation of ferromagnetic films and patterns"
- 12:00-12:30 Manfred Bayer:
"Studying Rydberg exciton-exciton interactions: Towards a quantum simulator?"
- 12:30-14:00 lunch
- 14:00-14:30 Valerii Zapasskii:
"Spin noise beyond magnetic resonance spectroscopy"
- 14:30-15:00 Nikolai Romanov:
"Magnetic resonance in condensed matter and related nanostructures: development of microwave-optical spectroscopy techniques and a study of resonance spin-dependent phenomena"
- 15:00-18:00 poster session & discussion & coffee
- 19:00-21:30 dinner - Restaurant Pfefferkorn Phönixsee

Thursday, 08.02.2018

- 09.00-09:45 Tobias Korn, Regensburg
"Optical spectroscopy of interlayer excitons in TMDC heterostructures: Exciton dynamics, interactions and giant valley-selective magnetic splitting"
- 09:45-10:30 Martina Müller:
"Femtosecond manipulation of spins in magnetic semiconductors"
- 10:30-11:00 coffee break
- 11:00-11:30 Ilya Akimov:
"Magneto-optics near the surface: Generation of optical spin fluxes at the metal-semiconductor interface"
- 11:30-12:00 Vladimir Korenev:
"Proximity effect in ferromagnetic-semiconductor hybrid structure"
- 12:00-13:30 lunch
- 13:30-14:00 Ivan Ignatiev:
"Exciton-light coupling and exciton dynamics in high quality heterostructures with quantum wells"
- 14:00-14:30 Kirill Kavokin:
"Nuclear spin-lattice relaxation in doped GaAs"
- 14:30-15:00 Vladimir Kalevich:
"Persistent circular currents of exciton-polaritons in cylindrical pillar microcavities"
- 15:00-18:00 Discussions & coffee
- 18:00 end