

Workshop
of
PhD Programme on
Contacts in Nanosystems: Interaction, Control, and Quantum Dynamics

Leibniz Universität Hannover, 4. 2. 2015

LNQE Building, Schneiderberg 39, 30167 Hannover

9:30 - 9:55	Coffee
9:55 - 10:00	Opening
10:00 - 10:25 Park	<i>Probing Majorana braiding phase in Corbino geometry Josephson junction</i>
10:25 - 10:50 Wang	<i>Plasmonic black silicon solar cells</i>
10:50 - 11:15 Hein	<i>Kondo effect in the quantum Hall regime</i>
11:15 - 11:40 Kraus	<i>Ga surfactant effect in III-nitride MBE</i>
11:40 - 12:10	General Meeting of School of Contacts in Nanosystems Status of the PhD fellowships
12:10 - 13:00	Lunch
13:00 - 14:00	Posters and Coffee
14:00 - 14:15 Das	<i>Structural properties of topological insulators</i>
14:15 - 14:40 Kotzian	<i>Transport in two-path triple quantum dot system</i>
14:40 - 15:05 Silvestrov	<i>Manipulation of helical edge state transport by a quantum magnet</i>
15:05 - 15:30 Gad	<i>Nanowire sensors</i>
15:30 - 16:00	Posters and Coffee
16:00 - 16:25 Schroer	<i>Detection of nonlocal spin entanglement by light emission from a superconducting p-n junction</i>
16:25 - 16:50 Stallberg	<i>The influence of porphyrin adsorption on the photoemission from plasmonic silver nanostructures investigated with multi-photon PEEM</i>
16:50 - 17:00	Closing

Postertitel:

1. "Transport in Quantum Dot Molecules", **Johannes Bayer** et al.
2. "Graphene nanostructures produced from transferred layers", **Christopher Belke** et al.
3. "Fluorescence enhancement or quenching using Nanostructure and synthesis of TiO₂/ZnO nanotube photoanodes for DSSCs", **Liu Bo**, et al
4. "Gas sensor technology: novel approaches and future development", **Alaaeldin Gad** et al.
5. "Influence of end groups in electrical transport through ferrocene molecules", **K. Kanthasamy**, D. Slawig, M. Budde, K. Cromwell, C. Tegenkamp, H. Pfnür
6. "Influence of External Stress on Internal Fields in GaN/GaN Quantum Wells", **Hendrik Kuhn**, Torsten Langer, Jens Hübner, Andreas Hangleiter and Michael Oestreich
7. "Collective excitations of Au induced quantum wires on Ge(100) and Si(553)", **T. Lichtenstein**, H. Teiken, C. Tegenkamp, H. Pfnür
8. "Controlling spin polarization of a quantum dot via a helical edge state", **B. Probst**, P. Virtanen, P. Recher
9. "Superlattice Structures in Folded Graphene", **Johannes Rode** et al.
10. "Phase transition in a two-dimensional electron gas system in GaAs/AlGaAs quantum well with intentionally incorporated impurities", **Eddy Rugeramigabo** et al.
11. "Raman Spectroscopy: Characterization of Materials", **Sharafeev** and R. Bohle, et al.
12. "Suppression of decoherence in a graphene monolayer ring", **Dmitri Smirnov** et al.
13. "Structural investigations of Au quantum wires on Ge(100)", **H. Teiken**, T. Lichtenstein, C. Tegenkamp, H. Pfnür
14. "RF-SETs" **Niels Ubbelohde** et al.
15. "Full counting statistics in a network of Majorana bound states", **Luzie Weithofer**, Patrik Recher, Thomas L. Schmidt