

Contributed Talks

Session I

Monday

16:00 – 17:15

Speakers

- 1) **Michael Auth**, University of Würzburg, *AMBIPOLAR CHARGE TRANSFER IN SINGLE-WALL CARBON NANOTUBE BASED BULK-HETEROJUNCTIONS*
- 2) **Anastasia Kuldaeva**, Leipzig University, *HIGH SENSITIVITY EPR SPECTROSCOPY OF PARAMAGNETIC CENTERS IN METAL ORGANIC FRAMEWORK SINGLE CRYSTALS*
- 3) **Pablo Sarazá Canflaca**, Helmholtz-Zentrum Berlin, *PARAMAGNETIC STATES IN BISMUTH VANADATE PHOTOANODE MATERIALS*
- 4) **Ula Yasin**, FU Berlin, *EPR STUDY ON ORGANIC-INORGANIC HYBRID PEROVSKITE SOLAR CELLS*
- 5) **Samuel Lenz**, University of Tübingen, *MOLECULAR QUBITS BASED ON TRANSITION METAL COMPLEXES*

Session II

Tuesday

09:15 – 10:30

Speakers

- 1) **Felix Kraffert**, FU Berlin, *TRANSIENT ELECTRICALLY DETECTED MAGNETIC RESONANCE SPECTROSCOPY APPLIED TO ORGANIC SOLAR CELLS*
- 2) **Georg Braunbeck**, TU München, *MAGNETIC RESONANCE ON NANOSCALE SAMPLES (NANO-MR) DETECTED BY A SINGLE ELECTRON SPIN IN DIAMOND*
- 3) **Stephan Pribitzer**, ETH Zürich, *CHIRP EFFECTS IN EPR/ESEEM CORRELATION SPECTROSCOPY*
- 4) **Jannik Möser**, Helmholtz-Zentrum Berlin, *HIGH- AND LOW-FIELD ELECTRICALLY DETECTED MAGNETIC RESONANCE FOR SOLAR CELL APPLICATIONS*

Session III

Tuesday

11:00 – 12:00

Speakers

- 1) **Muhandis Shiddiq**, TU Dortmund, *SAPPHIRE MICRORESONATORS FOR EPR EXPERIMENTS*
- 2) **Wolfgang Kallies**, TU München, *OPTIMUM CONTROL PULSES IN PULSED EPR AND NMR*
- 3) **Masaaki Saitow**, MPI Mühlheim, *LINEAR-SCALING COUPLED-CLUSTER APPROACH FOR OPEN-SHELL SYSTEMS*
- 4) **Florian Hrubesch**, TU München, *BROADBAND ELECTRICALLY DETECTED MAGNETIC RESONANCE USING OPTIMAL CONTROL*

Session IV**Tuesday****13:00 – 14:00**

Speakers

- 1) **Hendrik Ronneburg**, FU Berlin, *USING ELECTRICALLY DETECTED MAGNETIC RESONANCE (EDMR) TO CHARACTERIZE DEFECTS ON WELL-DEFINED SEMICONDUCTOR SURFACES UNDER ULTRA-HIGH VACUUM CONDITIONS*
- 2) **Philipp Schöps**, Goethe-Universität Frankfurt, *SEPARATION OF INTRA- AND INTERMOLECULAR CONTRIBUTIONS TO PELDOR SIGNAL*
- 3) **Stefan Weichselbaumer**, TU München, *ELECTRON SPIN RESONANCE AT MILLIKELVIN TEMPERATURES*
- 4) **Martin Spitzbarth**, Universität Konstanz, *MONITORING DIFFUSION OF GUEST MOLECULES IN POROUS MEDIA USING EPR IMAGING*

Session V**Tuesday****15:45 – 16:45**

Speakers

- 1) **Tufa Assafa**, FU Berlin, Ruhr-Universität Bochum, *PROBING THE TOPOLOGY OF BAX AT THE MEMBRANE VIA ESEEM AND TESTING THE COMPATIBILITY OF SPIN LABELS FOR IN-ORGANELLO EPR*
- 2) **Jaqueline Deichmüller**, Ruhr-Universität Bochum, *SENSING OF LIGHT INDUCED MAGNETIZATION BY MAGNETIC RESONANCE FORCE MICROSCOPY*
- 3) **Andreas Berndhäuser**, University of Bonn, *SYNTHESIS OF NEW TRIARYLMETHYL SPIN LABELS AND THEIR APPLICATION IN DISTANCE MEASUREMENTS ON PROTEINS*
- 4) **Henrik Hintz**, Bielefeld University, *SYNTHESIS OF MODEL COMPOUNDS FOR EPR-BASED DISTANCE MEASUREMENT TECHNIQUES*

Session VI**Wednesday****09:15 – 11:00**

Speakers

- 1) **Kerstin Serrer**, Albert-Ludwigs-University Freiburg, *IDENTIFICATION AND CHARACTERIZATION OF POTENTIAL TRIPLET-LABEL FOR LIGHT-INDUCED MAGNETIZATION DETECTION BY MAGNETIC FORCE MICROSCOPY*
- 2) **Artem Fedoseev**, Universität Konstanz, *GENETICALLY ENCODED SPIN LABELED ARTIFICIAL AMINO ACIDS FOR EPR DISTANCE MEASUREMENTS*
- 3) **Svetlana Suvorina**, University of Osnabrück, *SITE-DIRECTED SPIN LABELING OF PROTEINS USING CLICK CHEMISTRY IN VITRO AND IN LIVING CELLS*
- 4) **Tomas Orlando**, MPI Göttingen, *ELECTRON-NUCLEAR CROSS POLARIZATION IN EPR AND NMR*