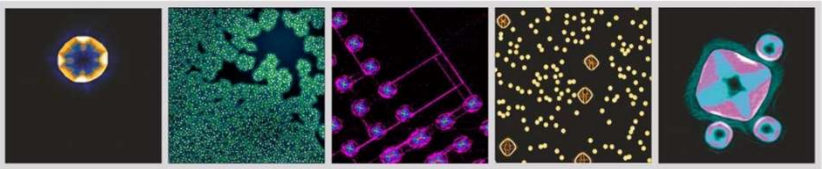
JOHANNES KEPLER UNIVERSITÄT LINZ



NANOFORUM 2023

Hörsaal 8, Friday 9.06.2023

8h25-8h30	**Opening**
8h30-9h10	**Prof. Andreas Schell**- Halbleiterphysik: *„Hybrid integration of quantum emitters"*
9h10-9h35	**Sourav Islam,** Angewandte Physik: *"STED-Inspired Sub Diffractional Cationic Lithography"*
9h35-10h00	**Bareld Wit,** Festkörperphysik: "*Calibrated Microwave Reflectance in Low-Temperature Scanning Tunneling Microscopy"*
10h00-10h25	**Lukas Lehner,** Physik weicher Materie: "*Perovskite Photovoltaics: From Nucleation to Application"*
10h25-10h50	**Coffee break**
10h50-11h30	**Prof. Kerstin Blank,** Biomolekulare & Selbstorganisierende Materie: *"Proteins as Mechanical Building Blocks in Biology and Materials Science"*
11h30- 11h55	**Maximilian Schober**, Theoretische Vielteilchenphysik: "*Life beyond crowns: colored gemstones in the quantum realm"*
11h55-12h35	**Peter Kerepesi,** CDL für nanoskalige Phasenumwandlungen & EV Group: *„Wafer bonding technology and case study of SiC wafer bonding"*
12h35-13h00	**Santa Pile**, Festkörperphysik: "*Spin-waves in single and double rectangular permalloy microstrips investigated using FMR, micromagnetic simulations and TR-STXM"*
13h00-14h0	**Lunch break**
14h00-14h40	**Ferdinand Horvath,** Theoretische Biophysik: "*Cellular Calcium Signaling One Atom at a Time: High-Performance Computer Simulations of STIM1 and Orai1 "*
14h40-15h20	**Mario Graml,** JKU School of Education: "*A tutorial on 1st Order phase transitions in solids and electron phonon coupling"*
15h20-15h40	**Gauthier Krizman,** Halbleiterphysik: "*Engineering topological properties with crystal deformation.*"
16h00-open end	**Ausklang im Lui Gastgarten**