

SPP1386
4th Status Meeting
February 21-25, 2014
Bad Aussee/Austria

Friday	Saturday	Sunday	Monday	Tuesday
<p>18:00 Bus Departure from Salzburg Mainstation</p> <p>20:00 Welcome Dinner/Reception</p>	<p>09:00 Nielsch: Welcome</p> <p>Session: Silicon I 09:30 Kratzer/Rastelli: Semiconductors with embedded self-assembled quantum dots 10:00 Buhmann/Fischer/Hansen/Siewert: Low-dimensional charge carrier systems in semiconductor heterostructures</p> <p>10:30 Coffee Break</p> <p>11:00 Bühler-Paschen/Madsen/Rosner/ Weidenkaff: Nanostructured Transition-Metal Clathrates and Clathrate-Oxide Nanocomposites 11:30 Felser/Jakob/Weidenkaff: Nanostructured Heusler-compounds 12:00 Gruhn/Emmerich: Thermoelectrics, phase separation, heat conduction, Heusler compounds, Monte Carlo simulation, phase field method, density functional theory</p> <p>12:30 Lunch Break</p> <p>Session: Bi₂Te₃ 14:30 Schlecht/Paulus/Müller: Synthesis Methods and Compacting 15:00 Eibl/Elsässer/Herrmann/Nielsch/Albrecht: Bi₂Te₃ and CoSb₃ nanomaterials 15:30 Bensch/Kienle/Böttner: Break and Beyond</p> <p>16:00 Coffee Break</p> <p>16:30 Toimil-Molares/Völklein: TE-Transport in Bismuth and Bismuth compound nanowires 17:00 Nielsch/Fischer/Zacharias/Woias: TE-Characterization of Single-Crystalline Nanowires 17:30 Mertig/Ernst: Ab initio description of heterostructures in the diffusive transport limits</p> <p>18:00 Dinner Break</p> <p>20:00 Rader (Helmholtz-Zentrum Berlin) Introduction to topological insulator research in SPP 1666</p>	<p>09:00 - 15:00 Ski Excursion</p>	<p>09:00 - 15:00 Ski Excursion</p>	<p>09:00-11:00 Final Discussion (SPP intern) 11:30 Departure</p>
	<p>16:00 Coffee Break</p> <p>16:30 Toimil-Molares/Völklein: TE-Transport in Bismuth and Bismuth compound nanowires 17:00 Nielsch/Fischer/Zacharias/Woias: TE-Characterization of Single-Crystalline Nanowires 17:30 Mertig/Ernst: Ab initio description of heterostructures in the diffusive transport limits</p> <p>18:00 Dinner Break</p> <p>20:00 Rader (Helmholtz-Zentrum Berlin) Introduction to topological insulator research in SPP 1666</p>	<p>16:00 Coffee Break</p> <p>Session: Silicon II & Skutterudite 16:30 Bracht/Bastian/Heiliger: ISOTopic heterostructured THERMOelectric materials (ISOTHERM): Experiment and theory 17:00 Brandt/Wolf/Schierning/Wiggers/Stutzmann: Silicon and Germanium Nanocomposites 17:30 G.Rogl (U+TU Wien): Skutterudites: high performance thermoelectric materials</p> <p>18:00 Dinner Break</p> <p>20:00 A.F. May (ORNL Oak Ridge): Local structures, phonon dynamics, and electrical transport in bulk thermoelectrics</p>	<p>16:00 Coffee Break</p> <p>Session: Oxides & Clathrates 16:30 Joos/Volkert/Kamlah: Anisotropic thermal conduction in correlated multilayers 17:00 Pacheco-Espejel/Rosner: Nanostructuring of Clathrates M₈Ga₁₆Ge₃₀ (M=Ba,Sr) 17:30 Cuniberti/Schmidt: Hybrid heterostructures and superlattices</p> <p>18:00 Dinner Break</p> <p>20:00 P.Rogl (U+TU Wien): Thermoelectric Clathrates 20:30 Roch (IWS Dresden) Flexible thermoelektrische Generatoren auf Basis von Polymeren und Polymer-Kompositen</p>	