Plenary and Prize Talks, Joint Symposia, Tutorials: Regensburg 2013

Plenary and Prize Talks

PV I  Mo. 08:30
Optical Dressing of Molecules and Materials — •Thomas W. Ebbesen

PV II  Mo. 14:00
Exploring the Functionality of Advanced Materials through Scanning Transmission Electron Microscopy — •Stephen Pennycook

PV III  Mo. 14:00
The Dynamics of Wealth, Persuasion, and Popularity — •Sidney Redner

PV IV  Di. 08:30
Majorana Fermions in Semiconductor Nanowires — •Leo Kouwenhoven

PV V  Di. 13:15
Critical Quasi-particles and Scaling of Metals Near a Quantum Critical Point: a Strong Coupling Scenario. — •Peter Woelfle

PV VI  Di. 14:00
The Thin-Disk Laser - from Physics to Industrial Applications — •Thomas Graf

PV VII  Di. 14:00
Self-assembly, Self-organization and Control of Colloidal Suspensions — •Sabine H. L. Klapp

PV VIII  Di. 16:15
Beyond Graphene: Electronic Properties of Van der Waals Heterostructures — •Andrey Geim

PV IX  Mi. 08:30
Mechanics and dynamics of rapid cell movement — •Julie Theriot

PV X  Mi. 13:15
Metallic Nanostructures in Strong Light Fields: Phenomena and Applications — •Claus Ropers

PV XI  Mi. 14:00
Magnetic Monopoles in Spin Ice — •Roderich Moessner

PV XII  Mi. 14:00
Novel Strategies for the Assembly of Metacrystals: Epitaxial Growth of Three-dimensional Nanoporous Frameworks — •Christof Woll

PV XIII  Mi. 20:00
Vom Cubit zum neuen Kilogramm — •Klaus von Klitzing

PV XIV  Do. 08:30
Magnonic Transport Phenomena — •Burkard Hillebrands

PV XV  Do. 13:15
Near Field Optics -- Science of the "Invisible Light" — •Wolfgang Dieter Pohl

PV XVI  Do. 14:00
Computational Materials Science Applied to Magnetism of Bulk and Nano-scale
Joint Symposia

Mo. 09:30  Charge Transfer Effects in Molecular Materials (SYCT)
CPP (responsible), BP, DS, HL
Mo. 11:30  SKM-Dissertation-Prize 2013
SKM Chairman
Mo. 15:00  Magnetic Nanoparticles in Biomedical Diagnostics and Therapy (SYBD)
MA (responsible), BP, CPP, ST
Di. 09:30  Strong Coupling in Solid State Quantum Systems (SYSC)
TT (responsible), DY, HL, MA
Mi. 09:30  Thermoelectric and Spincaloric Transport in Nanostructures (SYTS)
DF (responsible), DS, HL, MA, MI, MM, TT
Mi. 15:00  Quantum Plasmonics (SYQP)
HL (responsible), O, TT
Do. 09:30  Computational Challenges in Scale-Bridging Modeling of Materials (SYMM)
BP (responsible), CPP, DY, MM
Do. 15:00  Photons for Magnetism (SYPM)
MA (responsible), HL, MI, O
Fr. 09:30  Frontiers of Electronic Structure Theory: Discovery of Novel Functional Materials (SYES)
O (responsible), DS, HL, MA, MM, TT

Tutorials

TUT 1:  Coherent Control (HL)
TUT 2:  Integration and Modelling of Nanoelectronic Components (DS)
TUT 3:  GPU Computing (SKM)
TUT 4:  Spindynamics and Spintransport (MA)
TUT 5:  Topological Insulators and Majorana-Fermion Physics (TT)