

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 —
•ANDRE 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 WÖLL
- 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

Materials — •OLLE ERIKSSON

PV XVII Do. 14:00

Observing the Interactions of Ions with Solid-Liquid Interfaces using X-rays —

•PAUL FENTER

PV XVIII Fr. 08:30

Templated Self-assembly of Block Copolymer Films — •CAROLINE ROSS

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)