

**Plenarvorträge und FV-übergreifende Symposien
Dresden 2011**

Gemeinsame Plenarvorträge von SAMOP und SKM

Montag 14.3.2011, 8:30

Gerhard Ertl (FHI MPG)

"Molecules at surfaces: From atoms to complexity"

Dienstag 15.3.2011, 8:30

Shuji Nakamura (UC Santa Barbara)

"Status, Progress, and Future of the Green Semiconductor Laser"

Mittwoch 16.3.2011, 8:30

Thomas Elsaesser (Berlin)

Arbeitstitel: „Ultrafast Phenomena in Condensed Matter“

Donnerstag 17.3.2011, 8:30

Eric Betzig (Howard Hughes Janelia Farms)

"Pushing the Envelope in Biological Imaging"

Freitag 18.3.2011, 8:30

John Martinis (UC Santa Barbara)

“Synthesis of complex microwave photon states with superconducting qubits”

Plenarvorträge der SKM

Montag 14.3.2011, 9:15

David A. Weitz, Harvard University

“Linear and Non-linear Mechanics of Biopolymer Networks”

Dienstag 15.3.2011, 9:15

Prof. Nicola Spaldin

Materials Department, University of California, Santa Barbara, CA 93106-5050, USA

„Novel Magnetism at Strongly Correlated Interfaces“

Mittwoch 16.3.2011, 9:15

Prof. Naoto Nagaosa

Department of Applied Physics, University of Tokyo, Tokyo 113-8656, Japan

„Emergent Electromagnetism in Solids“

Donnerstag 17.3.2011, 9:15

Bernhard Keimer (MPI Stuttgart)

Arbeitstitel: „High Temperature Superconductivity“

Freitag 18.3.2011, 9:15

Andreas Heinrich (IBM)

„Nanosecond Scanning Tunneling Microscopy with Atomic Resolution“

Plenarvorträge der SAMOP

Montag 14.3.2011, 9:15

Randy Hulet
"Pairing in Unusual Places - Stretching the Realm of Superconductivity"

Dienstag 15.3.2011, 9:15

Joachim Burgdoerfer
"Interactions of ions, atoms, and photons with surfaces and capillaries"

Mittwoch 16.3.2011, 9:15

Todd Martinez
"Dynamics of Ground and Excited Electronic States from First Principles"

Donnerstag 17.3.2011, 9:15

Piet Schmidt
"Precision spectroscopy using quantum logic"

Freitag 18.3.2011, 9:15

Franz Pfeiffer
Coherent x-ray imaging for biomedical applications

Gemeinsame Symposien von SAMOP und SKM

SYAP: Intersectional Symposium Attosecond Physics: Atoms, Molecules and Condensed Matter

SYCE: Intersectional Symposium Foundations and Perspectives of Climate Engineering

SYCH: Intersectional Symposium Cultural Heritage in the Light of Physical Methods

SYHQ: Intersectional Symposium Hybrid Quantum Systems - Interfacing Atoms, Solids and Light

SYMB: Intersectional Symposium Many-Body Physics of Model Systems and Real Materials

SYMN: Intersectional Symposium Transport and Spectroscopy in Molecular Nanostructures

SYOM: Intersectional Symposium Artificial Optical Materials

SYQE: Intersectional Symposium Cavity meets Circuit Quantum Electrodynamics

SYRP: Intersectional Symposium The Concept of Reality in Physics

SKM-Symposien (FV-übergreifend)

SKM-DP: SKM Dissertation Prize 2011

SKM-SYBE: SKM-Symposium Statistical Physics and Biological Evolution

SKM-SYDT: SKM-Symposium Diffusionless Transformations in Magnetic and Ferroelectric Bulk and Thin Films

SKM-SYMF: SKM-Symposium Heterogenous Nucleation and Microstructure Formation: Steps towards a System- and Scale-bridging Understanding

SKM-SYNP: SKM-Symposium Semiconductor Nanophotonics: Quantum Optics and Devices

SKM-SYOP: SKM-Symposium Elementary Processes in Organic Photovoltaics

SKM-SYST: SKM-Symposium Spincaloric Transport

SKM-SYTI: SKM-Symposium Topological Insulators