

Joint Annual Meeting of the Austrian Physical Society and Swiss Physical Society

with
Austrian and Swiss Societies for
Astronomy and Astrophysics

September 3 - 6, 2013, JKU Linz

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Österreichische
Physikalische
Gesellschaft



swiss physical society



ÖSTERREICHISCHE GESELLSCHAFT FÜR ASTRONOMIE UND ASTROPHYSIK



Sessions

- Applied Physics, Acoustics & Polymer Physics
- Astronomy & Astrophysics with Special Topic:
Habitable Worlds: From Detection to Characterization
- Atomic Physics & Quantum Optics
- Biophysics and Medical Physics
- Careers for Physicists
- Condensed Matter Physics & NESY
- Didactics in Physics
- Geophysics, Atmosphere & Environmental Physics
- History of Physics
- Nuclear, Particle & Astroparticle Physics
- Plasma Physics
- Surfaces, Interfaces & Thin Films
- Theoretical Physics

Public Lectures

- **Mildred Dresselhaus**, MIT
Using Nanostructures to Enhance Energy Conversion Efficiency
- **Serge Haroche**, Collège de France
Nobel Prize Laureate 2012
Manipulation of Single Quantum Systems

Plenary Speakers

- **Richard Berndt**, Univ. Kiel
Plasmons, Forces and Currents in Atomic and Molecular Contacts
- **Rainer Blatt**, Univ. Innsbruck
The Quantum Way of Doing Computations
- **Silke Bühler-Paschen**, TU Wien
Quantum Phase Transitions in Condensed Matter
- **Douglas Cripe**, GEOS
Using Earth Observation for Integrated Water Resources Management
- **Lisa Kaltenegger**, MPI Heidelberg
Characterizing Exoplanets - Super-Earths
- **Jan Lacki**, Univ. Geneva
100 Years Bohr's Atomic Model: Its Birth and its Importance in the Rise of Quantum Mechanics
- **Rainer Wallny**, ETH Zürich
LHC - The First Three Years
- **Primoz Zihlerl**, Univ. Ljubljana
Shape and Structure of Simple Epithelial Tissues
- **Peter Zoller**, Univ. Innsbruck
Quantum Simulations with Atoms, Ions and Molecules

Additional Events

- **Energietag 2013**
- Scientific Equipment & Book Exhibition
- Award Ceremonies, General Assemblies

Abstract Submission: May 13, 2013

Registration: August 1, 2013

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www.sps.ch