

# 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](http://www.sps.ch)