Sessions

- Advanced Electronic-Structure Developments and Applications *
- Advances in Topological Materials *
- Applied Physics and Plasma Physics
- Atomic Physics & Quantum Optics
- Biophysics, Medical Physics and Soft Matter
- Condensed Matter Physics
- Earth, Atmosphere and Environmental Physics
- History of Physics
- Magnetism and Spintronics at the Nanoscale
- Nuclear, Particle- & Astrophysics
- Physics Beyond University
- SwissFEL – Recent Advances and Future Opportunities
- Theoretical Physics
- Poster Session

* organised by NCCR MARVEL

Plenary Speakers

- Gino Isidori, Uni Zürich
  Hints of New Physics from flavour-changing processes
- Beat Jeckelmann, METAS
  The revised International System of Units: A new foundation for all measures
- Ursula Keller, ETH Zürich
  Transient electric-field-driven dynamics in condensed matter: from Terahertz to Petahertz
- Almut Kirchner, Prognos AG, Berlin
  The Transformation of the Energy System – Challenges and how to meet them
- Tim Luce, ITER Organisation
  ITER - An Essential Step Toward Fusion Energy
- Nicola Marzari, EPFL
  Computational design and discovery of novel materials
- Tilman Pfau, University of Stuttgart
  Rydberg Gases in Thermal Vapor Cells
- Christoph Schär, ETH Zürich
  The Physics of Greenhouse Gases (tentative title)

Public Lecture and Film

- Maurice Bourquin, Uni Genève
  Thorium-Based Systems - A new concept for nuclear waste elimination and energy production
- Film: Let there be light
  A film on the quest for fusion

Additional Events

- General Assembly and Award Ceremony
- Scientific Equipment and Book Exhibition
- Conference Dinner

Abstract Submission

30 April 2018

More information: www.sps.ch