

# 20th INTERNATIONAL WINTERSCHOOL

## NEW DEVELOPMENTS IN SOLID STATE PHYSICS MAUTERNDORF, 25 FEBRUARY - 2 MARCH 2018

### TENTATIVE TOPICS:

Zero and one-dimensional systems:

- Solid-state-based quantum photonics and sensing
- 2D materials
- Electronic transport in low-dimensional systems and interfaces
- Topological phenomena and systems
- Nanomechanics

### ADVISORY COMMITTEE:

- Günther Bauer (Univ. Linz)
- Klaus von Klitzing (MPI-FKF Stuttgart)
- Friedemar Kuchar (Montanuniv. Leoben)
- Friedrich Schäffler (Univ. Linz)

### PROGRAM COMMITTEE

- Alberta Bonanni (Univ. Linz)
- Klaus Ensslin (ETH Zürich)
- Jonathan Finley (WSI TU München)
- Sven Höfling (Univ. Würzburg)
- Georgios Katsaros (IST Austria)
- Hubert Krenner (Univ. Augsburg)
- Jochen Mannhart (MPI-FKF Stuttgart)
- Armando Rastelli (JKU Linz)
- Stephan Reitzenstein (TU Berlin)
- Christian Schüller (Univ. Regensburg)
- Gunther Springholz (Univ. Linz)
- Gottfried Strasser (TU Wien)
- Christian Teichert (Montanuniv. Leoben)
- Gregor Weihs (Univ. Innsbruck)
- Val Zwiller (KTH Stockholm)

- Gregor Weihs (Univ. Innsbruck)
- Val Zwiller (KTH Stockholm)

### CONFIRMED SPEAKERS

- Anna Fontcuberta i Morral – EPFL Lausanne
- Benedikt Frieß – MPI-FKF Stuttgart
- David Gershoni – Technion, Israel
- Jean-Christophe Harmand – C2N Marcoussis
- Pablo Jarillo-Herrero – MIT
- Matija Karalic – ETH Zürich
- Annika Kurzman – University of Duisburg-Essen
- Peter Michler – University of Stuttgart
- Artem Mishchenko – University of Manchester
- Christian Schönenberger – University of Basel
- Andreas Stier – National High Magnetic Field Laboratory, Los Alamos, USA
- Alexander Szameit – University of Rostock
- Bernhard Urbaszek – INSA Toulouse
- Klaus von Klitzing – MPI-FKF Stuttgart
- Achim Wixforth – University of Augsburg
- Jörg Wrachtrup – University of Stuttgart

*Deadline for Abstract Submission:  
November 15, 2017*



**International Winterschool**  
on New Developments  
in Solid State Physics  
Mauterndorf Castle

**JKU**  
JOHANNES KEPLER  
UNIVERSITÄT LINZ

**M**  
MONTAN  
UNIVERSITÄT  
WWW.UNILEOBEN.AC.AT

Castle of Mauterndorf,  
A-5570 Mauterndorf,  
Province of Salzburg, Austria  
[winterschool@jku.at](mailto:winterschool@jku.at)

