



## MONDAY, FEBRUARY 26

### 09:15–09:30 Opening Remarks

### 09:30–10:30 Session 1

*Chair: Ronny Thomale*

09:30–10:00	Exceptional topology of quasiparticles	Jan C. Budich TU Dresden
10:00–10:30	Aharonov-Bohm effect in non-Hermitian systems	Tomoki Ozawa Tohoku University

### 10:30–11:00 Coffee Break

### 11:00–12:30 Session 2

*Chair: Tomoki Ozawa*

11:00–11:30	Quantum spin hall effect at elevated temperatures in InAs/GaSb/InAs trilayer quantum wells	Sven Höfling JMU Würzburg
11:30–12:00	Toward the realization of quantum optical sources using nanophotonics	Hideaki Takashima Chitose Inst Sci Tech
12:00–12:30	Topological edge and corner modes in polariton lattices	Sebastian Klemmt JMU Würzburg

### 12:30–14:00 Lunch (Cafeteria)

### 14:00–15:30 Session 3

*Chair: Kazuaki Takasan*

14:00–14:30	Kagome metals: a new paradigm of correlated electronic matter	Ronny Thomale JMU Würzburg
14:30–15:00	Matrix product renormalization group method	Masahiko Yamada University of Tokyo
15:00–15:30	Weyl node merging in symmetric crystals	Ion C. Fulga IFW Dresden

### 15:30–16:00 Coffee Break

### 16:00–18:00 Session 4

*Chair: Ralph Claessen*

16:00–16:30	Spin-related nonlinear transport in chiral materials	Daichi Hirobe Shizuoka University
16:30–17:00	Time-resolved measurement of edge magnetoplasmons in InAs/InGaSb composite quantum wells	Hiroshi Kamata NTT
17:00–17:30	Controlling two-phase superconductivity in locally non-centrosymmetric CeRh <sub>2</sub> As <sub>2</sub>	Elena Hassinger TU Dresden
17:30–18:00	Searching for topological modes in HgTe Josephson devices	Martin Stehno JMU Würzburg

### 18:00–21:30 Conference Dinner



## TUESDAY, FEBRUARY 27

<b>09:00–10:30</b>	<b>Session 5</b> <i>Chair: Matthias Vojta</i>	
09:00–09:30	Thermal and quantum dynamics of magnetic skyrmions for novel computing	Tomoyuki Yokouchi RIKEN
09:30–10:00	High-throughput calculations of topological antiferromagnets	Takuya Nomoto University of Tokyo
10:00–10:30	Hidden symmetries and exotic orders in quantum magnets	Lukas Janssen TU Dresden
<b>10:30–11:00</b>	<b>Coffee Break</b>	
<b>11:00–12:30</b>	<b>Session 6</b> <i>Chair: Takuya Nomoto</i>	
11:00–11:30	Tomography of topological pseudospin textures utilizing dichroic photoemission	Max Ünzelmann JMU Würzburg
11:30–12:00	Indenene – a triangular lattice goes topological	Simon Moser JMU Würzburg
12:00–12:30	Symmetry engineering in van der Waals assembly of two-dimensional materials	Yijin Zhang University of Tokyo
<b>12:30–14:30</b>	<b>Buffet &amp; QMA Poster Exhibition</b>	
<b>14:30–15:30</b>	<b>Session 7</b> <i>Chair: Alexey Chernikov</i>	
14:30–15:00	Surface acoustic wave rotations	Kei Yamamoto Japan Atomic Energy Agency
15:00–15:30	Activity-induced quantum phase transitions: a proposal for quantum active matter	Kazuaki Takasan University of Tokyo
<b>15:30–16:00</b>	<b>Coffee Break</b>	
<b>16:00–18:00</b>	<b>Session 8</b> <i>Chair: Daichi Hirobe</i>	
16:00–16:30	Phase-resolved Higgs-Spectroscopy in Superconductors using non-linear THz spectroscopies	Stefan Kaiser TU Dresden
16:30–17:00	Ultrastrong coupling of a sub-wavelength terahertz optical resonator with electrons in semiconductor nanostructures	Kazuyuki Kuroyama University of Tokyo
17:00–17:30	Time-domain terahertz polarimetric spectroscopy of topological surface states	Tobias Kiessling JMU Würzburg
17:30–18:00	Dynamical aspect of Hall conductivity studied by terahertz spectroscopy	Ryusuke Matsunaga University of Tokyo
<b>18:00–18:30</b>	<b>Final Remarks</b>	
<b>18:30</b>	<b>Individual Evening Plans</b>	