



Grand Challenges and Opportunities of Quantum Materials – Design, Synthesis, Properties, and Applications

International Symposium

October 4 – 6, 2017

Berlin, Germany



Wednesday – October 4, 2017

8:00	Registration
	Topology I Chair: Andrew Mackenzie
8:30– 9:00	Opening and Plenary
9:00– 9:30	Darrell G. Schlom
9:30–10:00	Marcel Franz
10:00–10:30	Naoto Nagaosa
10:30–11:00	Coffee break
	Is Rational Design Possible? I Chair: Bernhard Keimer
11:00–11:30	Philipp Hansmann
11:30–12:00	Kristjan Haule
12:00–12:30	Igor Mazin
12:30–13:30	Lunch
13:30–15:00	Poster Session Chair: Andrea Cavalleri
	2D / Novel Quasiparticles Chair: Liu Hao Tjeng
15:00–15:30	Judy J. Cha
15:30–16:00	Yuanbo Zhang
16:00–16:30	Group photo and Coffee break
	Quantum Magnets / Unconv. Ground States Chair: Seongshik Oh
16:30–17:00	Emilia Morosan
17:00–17:30	Satoru Nakatsuji
17:30–18:00	Tomohiro Takayama
18:00–18:30	Elena Hassinger

Thursday – October 5, 2017

	Is Rational Design Possible? II Chair: Hidenori Takagi
8:30– 9:00	Ali Alavi
9:00– 9:30	Nicola Spaldin
9:30–10:00	Roser Valenti
10:00–10:30	B. Andrei Bernevig
10:30–11:00	Coffee break
	Synthesis Bulk Chair: Antoine Maignan
11:00–11:30	Louis Taillefer
11:30–12:00	Cornelius Krellner
12:00–12:30	Marcus Schmidt
12:30–13:30	Lunch
13:30–14:30	Poster Session Chair: Jochen Mannhart
	Topology II Chair: Emilia Morosan
14:30–15:00	Ali Yazdani
15:00–15:30	Liang Fu
15:30–16:00	Yulin Chen
16:00–16:30	Coffee break
	Topology III Chair: Claudia Felser
16:30–17:00	Yoichi Ando
17:00–17:30	Mazhar Ali
17:30–18:00	Andreas P. Schnyder
18:00–18:30	Laurens W. Molenkamp
18:30–19:00	Shoucheng Zhang
19:00	Conference-Dinner
21:00	After-Dinner Talk Sami Mitra Chair: Bernhard Keimer

Friday – October 6, 2017

	Synthesis Heterostructures I Chair: Andrea Cavalleri
8:30– 9:00	Andrea D. Caviglia
9:00– 9:30	David A. Muller
9:30–10:00	Jean-Marc Triscone
10:00–10:30	Yoshiteru Maeno
10:30–11:00	Coffee break
	Synthesis Heterostructures II Chair: David A. Muller
11:00–11:30	Seongshik Oh
11:30–12:00	Kookrin Char
12:00–12:30	Harold Y. Hwang
12:30–13:30	Lunch
	Topology And Beyond Chair: Stuart Parkin
13:30–14:00	Yoshinori Tokura
14:00–14:30	Tae Won Noh
14:30–15:00	Charles Marcus
15:00–15:30	N. Phuan Ong
15:30–16:00	Closing
16:00	Coffee break