



July 1<sup>st</sup> 2020

2nd UKRATOP Workshop

„Topological Phenomena in Quantum Materials“



For online access through zoom, please contact [ukratop@ifw-dresden.de](mailto:ukratop@ifw-dresden.de)

(DE)	IFW on site venue: D2E.31	(UA)
08:20	Welcoming remarks	09:20
08:30	<i>Thermoelectric and thermomagnetic phenomena</i> (popular lecture) Sergei Sharapov, KAU	09:30
08:55	<i>Horizons of the Bogolyubov Institute for Theoretical Physics: from Quarks to Biophysics</i> Sergii Perepelytsya, KAU	09:55
09:20	<i>Machine learning in physics and KAU</i> Vitaliy Tymchysin, KAU	10:20
09:45	<i>Topological quantum materials for quantum technologies</i> Alexander Kordyuk, KAU	10:45
10:10	Coffee Break	11:10
10:30	<i>Disorder and Topology in WTe<sub>2</sub></i> Joseph Dufouleur, IFW	11:30
10:55	<i>Anomalous levitation and annihilation in Floquet topological insulators</i> Cosma Fulga, IFW	11:55
11:20	<i>Shape transformations of elastic ferromagnetic systems</i> Kostiantyn Yershov, IFW	12:20
11:45	<i>Machine learning in materials science</i> Dmitrii Cherniavskii, IFW	12:45
12:10	Lunch Break	13:10
12:55	tba tba, IMP	13:55
13:20	tba Alexander Sorokin, ISMA	14:20
13:45	<i>Solid state crystal growth of 1111 pnictides</i> Sabine Wurmehl, IFW	14:45
14:10	Concluding remarks	15:10

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