

# Virtual Summer Symposium 2020

## Schedule

Monday, 21.09.2020		#	Topic	Speaker(s)
9.00	9.15		Welcome	F. Rahmanian, J. Schnaidt
9.15	10.00	1	Solid Electrolytes: Materials, synthesis, ion transport mechanisms and manufacturing aspects	<b>A. Borchers</b> , Z. Ding, J. Naumann, M. Zahedifar
10.00	10.45	2a	Cathode materials for monovalent ions: From synthesis to processing	<b>S. Bertolini</b> , C. Gauckler, M. Häringer, H. Liu, S. Trivedi
10.45	11.00	Coffee Break		
11.00	11.45		„Battery storage in an energy industry with an increasing share of renewables“	Tobias Wirsching, EnBW
11.45	12.30	2b	Cathode materials for monovalent ions: From synthesis to processing	S. Greiner, S. Shakouri, G. Bosch, V. Pamidi
12.30	13.15	Lunch Break		
13.15	14.00	3	Conversion electrodes: Elementary processes and implementations for batteries	M. Uhl, D. Sundermann, T. Akcay, K. Pfeifer, Y. Li
14.00	14.45	7	Simulation and modelling of battery processes: Correlating different length and time scales	M. Dillenz, P. Hoenicke, F. Fiesinger, S. Daubner
Tuesday, 22.09.2020		#	Topic	Speaker(s)
9.25	9.30		Welcome back	M. Dillenz, J. Schnaidt
9.30	10.00	4a	Batteries with multivalent ions: advantages, problems and prospects - Cathode	<b>K. Helmbrecht</b> , Q. Fu, A. Roy,
10.00	10.30	4b	Batteries with multivalent ions: advantages, problems and prospects - Electrolyte	<b>B. Schick</b> , S. Dongmo, O. Elkhafif
10.30	11.30	4c	Batteries with multivalent ions: advantages, problems and prospects - Anode	<b>M.-K. Heubach</b> , F. Maroni, J. Klemens
11.00	11.15	Coffee Break		
11.15	12.00	5	Metal deposition for battery anodes: From fundamental aspects to application-oriented problems	<b>M. Wittmann</b> , F. Karcher, M. Karimnia, D. Stottmeister
12.00	12.45	Lunch Break		
12.45	13.30	6	SEI formation: Characterization and consequences for battery safety and lifetime	<b>A. Hoefling</b> , F. Rahmanian, T. Ortman, T. Philipp, S. Mück
13.30	14.15	9	The role of additives in battery systems	<b>J. Flowers</b> , K. Palanisamy, M. Schmidt, A.-K. Wurba, Z. Wang
14.15			Closing remarks	M. Dillenz, J. Schnaidt