

[mESC-School 2021](#)
International Summer School on Materials for Energy Storage and Conversion
10-13 September 2021

Friday (Sept 10 th 2021)	
8:00-9:00	Welcome address
9:00-9:45 (24:00 New Mexico)	Babu Chalamala Emerging eT&D Grids: Energy Storage, Electrification, and Modernization of Electricity Infrastructure
10:00-10:45	Babu Chalamala Emerging eT&D Grids: Energy Storage, Electrification, and Modernization of Electricity Infrastructure
10:45-11:00	Break
11:00-11:45	Kadri Aydınol Battery Research in Relation to Plant-Scale Manufacturing
12:00-12:45	Kadri Aydınol Battery Research in Relation to Plant-Scale Manufacturing
12:45-14:00	Lunch Break
14:00-14:45	Y. Eren Kalay In Situ Synchrotron Diffraction and Rietveld Analysis
15:00-15:45	Y. Eren Kalay In Situ Synchrotron Diffraction and Rietveld Analysis
15:45-16:00	Break
16:00-16:45	Y. Eren Kalay Hands-on Session
17:00-17:45	Y. Eren Kalay Hands-on Session

Saturday (Sept 11 th 2021)	
9:00-9:45	Saim Özkar Catalysis-A Brief Overview
10:00-10:45	Saim Özkar Catalysis-A Brief Overview
10:45-11:00	Break
11:00-11:45	Selmiye Alkan Gürsel Fundamentals&Advances in PEM Fuel Cells
12:00-12:45	Selmiye Alkan Gürsel Fundamentals&Advances in PEM Fuel Cells
12:45-14:00	Lunch Break
14:00-14:45 (7:00 Boston)	Burak Ülgüt Electrochemical Impedance Spectroscopy in Battery Research
15:00-15:45	Burak Ülgüt Electrochemical Impedance Spectroscopy in Battery Research
	Burak Ülgüt Hands-on Session
	Burak Ülgüt Hands-on Session

Sunday (Sept 12 th 2021)	
9:00-9:45 (7:00 W. Europe)	Duncan Fagg Protonic Fuel Cells
10:00-10:45	Duncan Fagg Protonic Fuel Cells
10:45-11:00	Break
11:00-11:45 (10:00 Vienna)	Alexander Opitz Electrochemical Impedance Spectroscopy in SOE/FC Research
12:00-12:45	Alexander Opitz Electrochemical Impedance Spectroscopy in SOE/FC Research
12:45-14:00	Lunch Break
14:00-14:45	Alexander Opitz Hands-on Session
15:00-15:45	Alexander Opitz Hands-on Session

Monday (Sept 13 th 2021)	
9:00-9:45 (23:00 California)	Cengiz Özkan Supercapacitors-An Overview
10:00-10:45	Cengiz Özkan Supercapacitors-An Overview
10:45-11:00	Break
11:00-11:45	Tuğrul Çetinkaya Li-Ion Batteries-An Overview
12:00-12:45	Tuğrul Çetinkaya Li-Ion Batteries-An Overview
12:45-14:00	Lunch Break
14:00-14:45	Kahraman Keskinbora FIB Techniques in Material Characterization
15:00-15:45	Kahraman Keskinbora FIB Techniques in Material Characterization
15:45-16:00	Break
16:00-17:00	Closing Session (all are invited)