

Tutorials and Hands-on Workshop Series - Schedule 2021

1	December 15 th	Prof. Kyle Webber & Ahmed Gadelmawla / Juliana Maier	P-S-E Hysteresis Loops
2	January 21 st	Prof. Fischer & Niharika Gogoi	Efficient rectifier circuits ensuring stable voltage supply
3	February 15 th	Prof. Wang & Md Ismail Haque / Duan Xianyi	Human Body Communication – Transmission Mechanism, Transceiver Design, Energy Harvesting, and Equivalent Circuit of HBC
4	March 18 th	Dr. Fey & David Köllner	Additive Manufacturing of Ceramic Structures, and 3D-printing of Complex Kagome Structures
5	April 15 th	Prof. Kawasaki / Prof. Haneda	Fundamentals of Chemical Synthesis Methods, and Energy & Environmental Materials Synthesis
6	May 20 th	Prof. Mergheim & Andreas Hegendörfer	Continuum Material Modeling, and Exploration of Computational Material Modeling with MatLab
7	June 15 th	Prof. Hayakawa / Prof. Hayashi & Choi Minuk / Takahiro Otsuka	Fundamentals of Material Science, and Synthesis, Structure, and Properties of Functional Materials
8	July 01 st	Prof. Heiss & Viktor Rehm	Quantification of Water Splitting Efficiency, and Characterizing the Electro-Optical Properties of Photovoltaics
9	August 15 th	Prof. Kato / Prof. Miyakawa & Ntumba Lobo	Characterization of Semiconductors, and Apparatuses for that
10	September 23 rd	Dr. Cicconi & David Dobesh	Vibrational and Optical Spectroscopy of Perovskites, and Raman Spectroscopy of Perovskite Crystals
11	October 15 th	Prof. Ogata & Takahiro Tsuzuki / Seiya Shimoi	Multiscale Materials Modeling, and Atomistic Simulation of Material
12	November 30 th	Prof. Meyer & Samuele Spreafico	Introduction to Density Functional Theory, and Atomistic Simulations DIY
13	December 16 th	Prof. Kosaka & Takeshi Okada	Electric Motors - Fundamentals, Measurement and Analysis of Vibration