

Energy Storage Materials for batteries and supercapacitors

15 h, first lecture on November 2, 2022

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1. General introduction to energy storage devices
2. Materials for Supercapacitors
3. Materials for Batteries
4. Techniques to characterize the performance of electrode material
5. Experimental demonstration of Electrode preparation
6. Experimental demonstration of cyclic voltammetry technique for energy storage materials
7. Experimental demonstration of Galvanostatic Charge-Discharge and Electrochemical impedance spectroscopy technique for energy storage materials
8. Assembly of energy storage device and electrochemical testing

Please register via email (vshrivastav@ichf.edu.pl) one week before the start of the course.