

Energy Storage & Conversion Laboratory

Research Areas

- Fuel Cell
- Rechargeable Battery
- Electronic Cooling
- Thermal Management
- Additive Manufacturing

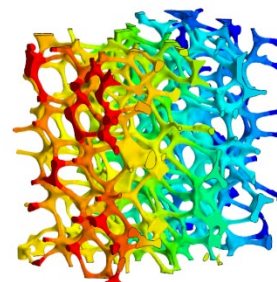


Collaborators

We collaborate with multiple research groups in mechanical engineering, material science, chemistry, chemical engineering at KU, Carnegie Mellon University, University of Buffalo, Wichita State University, Kansas State University, and Pittsburg State University etc. Our lab also collaborates or uses facility at DOE National Laboratories and National Institute of Standards and Technology (NIST).

Equipment

- Quantachrome NOVA Touch gas absorption pore size analyzer
- Arbin 4-channel MSTAT4 Battery Cycler
- Bio-Logic SP150 electrochemical impedance spectroscopy
- CorSolutions PeriWave Milli+5 pump
- Sentro Tech 1600C-666 High Temperature Box Furnace
- OHAUS Analytical balance DV214C



Funding Sources

- National Science Foundation (NSF)
- U.S. Department of Energy (DOE)
- National Aeronautics and Space Administration (NASA)
- Kansas Board of Regents (KBOR)

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