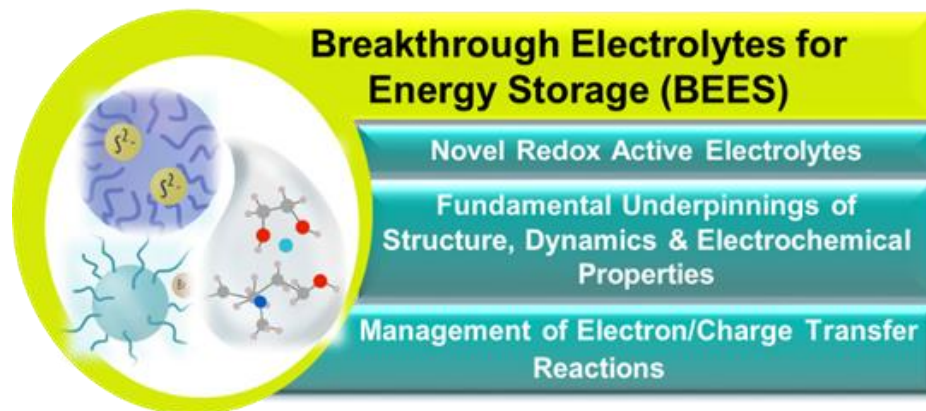


Breakthrough Electrolytes for Energy Storage (BEES)

Robert Savinell (Case Western Reserve University); Class: 2018-2022

MISSION: To develop a fundamental understanding of:
(i) solvation and transport properties; (ii) electrode-electrolyte interfaces; and (iii) electron transfer reactions in deep eutectic solvents and soft nanoparticle electrolytes.



<https://engineering.case.edu/EFRC BEES>

RESEARCH PLAN

Synergizing experimental and theoretical investigations, BEES researchers employ electroanalytical techniques, spectroscopy, synchrotron based X-ray and neutron techniques, as well as advanced computational methods to probe structures, fundamental properties, and interfacial chemistry. This fundamental know-how will enable design and synthesis of new electrolytes that will transform energy storage.



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