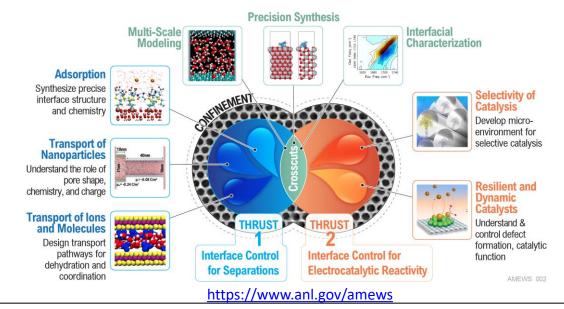
Advanced Materials for Energy-Water Systems (AMEWS) Seth Darling (Argonne National Laboratory); Class: 2018-2026

MISSION: To revolutionize our understanding of aqueous solutes in confined and electrified environments at interfaces, by integrating new experimental, theoretical, and modeling capabilities.



Northwestern

University

RESEARCH PLAN

Our goals are to:

- 1. Design and control transport properties of ions, molecules, and nanoparticles under confinement
- 2. Discover pathways to capture and control release of trace solutes from complex aqueous solutions
- 3. Identify new mechanisms to drive selective electrocatalysis in complex aqueous mixtures

Argonne

NATIONAL LABORATORY

4. Predict and synthesize catalysts that are resilient under electro-active aqueous environments

THE UNIVERSITY OF CHICAGO

PRINCETON

