Zhou's group @ Center for Clean Energy Engineering





Sustainable Power and Energy



- Electric aviation
- Fuel cells (SOFC and PEMFC)
- Hydrogen production
- Next-generation batteries
- Additive & solventless manufacturing

Carbon Management

- CO₂ to fuels and chemicals (e.g., C₂H₄)
- Biomethane utilization
- Methane to alcohols
- CO₂ capture and green concrete

Electrochemistry Theory

- Nonequilibrium thermodynamics
- Durability and stability coupling
- Transport at the electrochemical interfaces



Xiao-Dong Zhou (PI)

INNOVATION

WHERE TEAMWORK

WELCOME

TO OUR

TEAM

Mechanical Engineering

Materials Science and Engineering

Chemical and Biomolecular Engineering

Director, Center for Clean Energy Engineering

Email: xiao-dong.zhou@uconn.edu
Website: https://www.energy.uconn.edu/

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