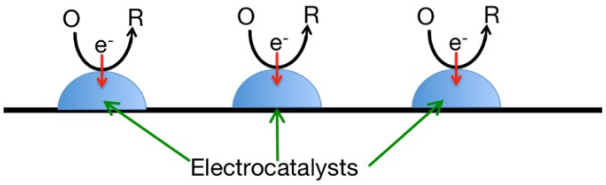
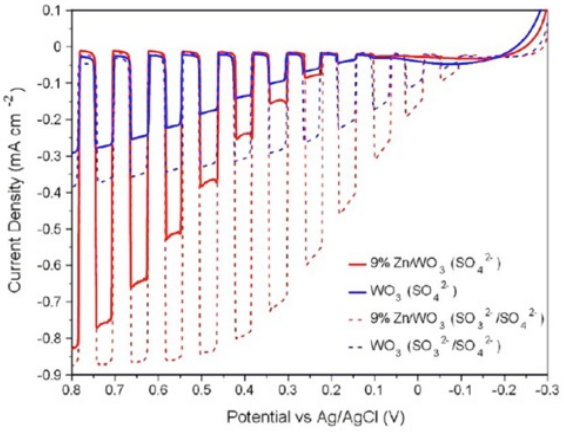
Photoelectrocatalysis Laboratory

Research:

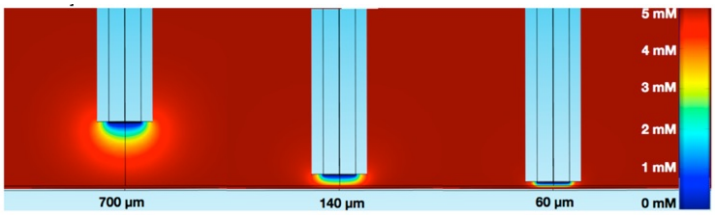
- Photoelectrocatalysis for Solar Fuel Production
- Nanomaterials for Electrochemical Water Splitting
- Electrocatalysts for Renewable CO_2 Reduction
- "Green" Electrocatalysis
- Nanoscale Electrochemical Reactivity Imaging





Collaborating Faculty:

Chemistry: Prof. Shenqiang Ren
Chemical & Petroleum Engineering: Prof. Bala Subramaniam, Prof. R.V. Chaudhari, Prof. Aaron Scruto, Prof. Franklin (Feng) Tao & Prof. Juan Bravo-Suarez

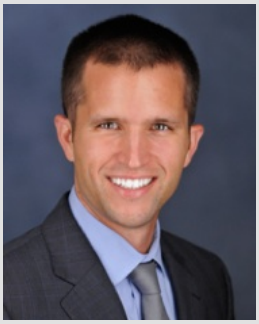


Equipment

- Scanning Electrochemical Microscope (SECM):
  - Nanoscale electrochemical reactivity imaging
- Solar Simulator:
  - Photoelectrocatalysis testing
- 3D Catalysis Printer:
  - Catalysis rapid screening
- Multicore Simulation Workstation

Director:

Kevin C. Leonard, Ph.D.
(Wisconsin, 2011)
Assistant Professor,
Chemical & Petroleum Engineering



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Courses:

Graduate Kinetics & Reactor Design
Undergraduate Kinetics & Reactor Design

Go to **cpe.engr.ku.edu** to learn more.