

Brian A. Rosen



Graduate Institution: University of Illinois at Urbana-Champaign

Graduate Discipline: Chemical Engineering

Hometown: Wilmington, DE

Relevant SC Research: Basic Energy Sciences

Research Interest:

I am interested in the fields of electrocatalysis materials science, and surface chemistry with application in the catalysis of atmospheric carbon dioxide, desalination, and electrochemically functionalized materials. My PhD thesis revolves around developing new materials to reduce the overpotential associated with atmospheric CO₂ to fuels.

I have previously worked for the University of Delaware Department of Chemical Engineering in collaboration with the Army Research Laboratory (ARL) designing liquid body armor. I worked abroad at the RWTH Aachen University (Germany) Department of Physical Chemistry developing targeted release drug capsules. I have also worked at Air Liquide America designing sublimation processes for depositing high-K materials on silicon substrates.

About Me:

I received my Bachelor of Chemical Engineering from the University of Delaware in 2008 and my Masters of Chemical Engineering from the University of Illinois in 2010. I am going into my fifth year of graduate study at the University of Illinois hoping to complete my PhD in May, 2013.

My career goals include academia, doing research in electrochemically functional materials for energy systems. I have tentatively accepted a post-doctorate position at Tel Aviv University

to begin October 2013. My professional associations include AICHE, ACS, SAMPE and IEEE.



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