PURDUE UNIVERSITY Discovery Park ENERGY CENTER

PURDUE UNIVERSITY

DAVIDSON SCHOOL OF CHEMICAL ENGINEERING

SPECIAL ENERGY LECTURE

The Engineering of Carbon Nanomaterials and Redox Flow Batteries for Energy Storage Applications

ENOCH NAGELLI

Assistant Professor of Life Science
Department of Chemistry and Life Science United States Military Academy
United States Military Academy
West Point, NY

Tues, March 28, at 9:15 a.m.
FU Room (234 Potter Building)

Dr. Nagelli is an Assistant Professor in the Chemical Engineering Program. He teaches General Chemistry and Chemical Engineering courses. He earned his Ph.D. degree in Chemical Engineering from Case Western Reserve University in August 2014. His Ph.D. dissertation work was on the controlled synthesis, functionalization and assembly of carbon nanomaterials for energy storage and conversion applications. Following his doctoral studies, Dr. Nagelli worked as a post-doctoral researcher in the Electrochemical Engineering and Energy Laboratory at Case Western Reserve University. In this role, he worked on the performance diagnostics of flowable slurry electrodes for redox flow batteries and electrochemical flow capacitors. His research interest includes the fundamental understanding of the influence of surface chemistry of carbon nanomaterials in electrochemical applications, flowable slurry electrodes, development of flow-assisted electrochemical energy systems (fuel cells, flow batteries, flow capacitors), and mass/charge transport phenomena and reaction kinetics in electrochemical systems. He is a member of the American Institute of Chemical Engineers, the American Chemical Society, and the Electrochemical Society.

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Contact: Emily Temple at ertemple@purdue.edu

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