



Electrochemical phenomena provide unique methods for materials synthesis and surface modification. Within this framework, the group is developing the fundamental science and synthetic abilities necessary to tailor to specification materials and components for a variety of devices, focusing on micro/nano-electronics and magnetics, with a recent emphasis on energy conversion applications. Our work encompasses the electrochemical deposition of metals, alloys and semiconductor materials, the electrochemical formation of a variety of self-assembled nanostructures, as well as the development and integration of suitable components for information storage, sensors and energy conversion devices.

Zangari Group

Giovanni Zangari

Heinz & Doris Wildorf Distinguished Research
Professor-Associate Professor

gz3e@virginia.edu

www.virginia.edu/ms/faculty/zangari.html

Dept. of Materials Science and Engineering
University of Virginia
Charlottesville, VA
434.243.5474

"Further the understanding and control of atomistic phenomena occurring at electrolyte-solid interfaces for use in electronic and energy conversion devices."

