

Dr. Ping Liu joined UC San Diego as an Associate Professor in Nanoengineering in January 2016. His group studies electrochemical materials science spanning energy conversion and storage, electrosynthesis, and electrochemical actuation. Professor Liu was a Program Director at the Advanced Research Projects Agency – Energy (ARPA-E) from 2012 to 2016, where he initiated and managed research programs in energy storage for electric vehicles and thermal management technologies to improve building energy efficiency. He was the manager of the Energy Technology Department at HRL Laboratories and was a research staff member with the National Renewable Energy Laboratory. He received his Ph.D. in Chemistry from Fudan University. He was a Distinguished Inventor in multiple years at HRL and won an R&D 100 award in 2009 for a battery technology developed at NREL. Dr. Liu has published over 90 peer-reviewed papers and has been issued 40 US patents in the broad areas of batteries, fuel cells, sensors and actuators. Group website: <http://liugroup.ucsd.edu>