

Wenquan Lu

Argonne National Laboratory
Chemical Sciences and Engineering Division
9700 South Cass Avenue, Building 205
Argonne, IL 60439-4837
phone: 630/252-3704, fax: 630/972-4414
e-mail: wenquan.lu@anl.gov

Professional Experience

- **2008-Present.** Principal Chemical Engineer, Electrochemical Energy Storage Theme, Argonne National Laboratory. Physical and electrochemical characterization of lithium-ion (Li-ion) battery materials as well as design and optimization of batteries for electric vehicles.
- **2006- 2008.** Senior Scientist at Greatbatch. Lithium battery research and development for implantable medical devices.
- **2004-2006.** Research Associate at Argonne National Laboratory. Electrochemical and thermal characterization of Li-ion batteries for hybrid electric vehicles and satellites.
- **2002- 2004.** Research Associate, University of Virginia. Developed instruments and investigated mechanisms for chemical mechanical polishing.

Research Highlights

- At Argonne, leading the effort in characterizing battery materials for electric vehicles. Fill a key role for battery design and optimization.
- As research associate at University of Virginia, developed an instrument to *in-situ* investigate the mechanism of chemical mechanical polishing process with Cabot Microelectronics Corp.

Education

- PhD, Chemical Engineering, Illinois Institute of Technology, Chicago, 2002
- MS, Chemical Engineering, Tsinghua University, China, 1998

Publications & Patents

- 40+ peer reviewed papers and conference presentations
- 3 patents and patent applications