

# John Vaughey

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## Professional Experience

- **1997-Present.** Scientist in the Electrochemical Energy Storage Group at Argonne National Laboratory. Responsible for designing and evaluating advanced materials for hybrid electric vehicles, plug-in hybrid electric vehicles, electric vehicles and medical battery applications.
- **1994-1997.** Research Associate in the Department of Chemistry at Ames Laboratory of Iowa State University in Ames, Iowa. Synthesized and characterized Zintl and alloy materials for thermoelectric, sodium-ion battery, and related applications.
- **1992-1994.** Research Associate in the Department of Chemistry at the University of Houston in Houston, Texas. Synthesized and characterized microporous materials for catalysis and ion exchange applications.

## Education

- Ph.D., Inorganic Chemistry, Northwestern University, Evanston, Illinois, 1992.
- M.S., Inorganic Chemistry, Northwestern University, Evanston, Illinois, 1988.
- B.S., Chemistry, Worcester Polytechnic Institute, Worcester, Massachusetts, 1987.

## Awards

- Department of Energy Mentoring Award (2008)
- Pacesetter Award, Argonne National Laboratory (2000)

## Career Activities & Highlights

- Co-organizer of the International Battery Association Meeting on Manganese Dioxide, 2000.
- Technical Advisory Board, Advanced Materials Research Institute (AMRI), University of New Orleans, New Orleans, Louisiana.
- Invited speaker at numerous National and International Meetings

- Professional Organizations
  - Electrochemical Society
  - American Chemical Society
  - Neutron Scattering Society of America

## **Publications & Patents**

- Publications: 102 (peer reviewed)
- Presentations: 161
- Patents, Patent Applications & Inventions: 20