

# Ilias Belharouak

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## Professional Experience

- **January 2004-Present.** Materials Scientist at Argonne National Laboratory, Illinois, USA, leading R&D on advanced cathode and anode materials for high-power and high-energy lithium-ion battery applications, including battery systems for transportation, satellite, and medical applications.
- **January 2001-December 2003.** Materials Scientist Postdoctoral Appointee at Argonne National Laboratory, Illinois, USA.
- **October 1999-December 2000.** Postdoctoral Fellow at the National Scientific Research Center, Institute of Condensed Matter Chemistry of Bordeaux, Bordeaux, France.
- **January 1997-June 1999.** Assistant Teaching Professor at the University of Bordeaux 1, Bordeaux, France.

## Education

- Ph.D., Materials Science, Institute of Condensed Matter Chemistry of Bordeaux, University of Bordeaux 1, Bordeaux, France, 1999.
- Master's Degree, Materials Science, Institute of Condensed Matter Chemistry of Bordeaux, University of Bordeaux 1, Bordeaux, France, 1996.
- Bachelor's Degree, Inorganic Chemistry, University Cadi Ayyad, Marrakech, Morocco, 1995.

## Awards

- R&D 100 Awards, 2009.
- US Federal Laboratory Award for Excellence in Technology Transfer, 2009.
- Congratulations Letters for Excellence in Li-Ion Battery Technology from:
  - Steven Chu, US Secretary of Energy, 2009.
  - Judy Biggert, US Congress 13<sup>th</sup> district representative, 2009.
- R&D 100 award, 2008.
- Illinois Federal Laboratory Award for Excellence in Technology Transfer, 2008.
- Pacesetter Award, Argonne National Laboratory, 2007.
- R&D 100 Award, 2005

## **Career Activities & Highlights**

- Editor of Journal of Phosphorus Research Bulletin (2008 to current)
- Active member of the Electrochemical Society and the Material Research Society.
- Invited lectures in USA, Korea, France, China, Hong Kong, and Morocco.
- Materials Research Society conference advisory committee member.
- Several articles among top hottest articles in the field of electrochemistry.
- Internationally recognized reviewer for several scientific journals in the fields of Materials Science, Chemistry, and Electrochemistry.
- Designated reviewer for the Department of Energy (SBIR-STTR projects)

## **Publications & Patents**

- 50 Peer-reviewed publications.
- 5 Publications *in press* (2009).
- 80 technical posters and extended abstracts.
- 120 technical presentations.
- 10 Patents, Patent Applications & Inventions