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Education: BS, Physics, 1966, MIT
PhD, Applied Physics, 1971 Stanford University

Professional Experience:

2007 - Director, Atkinson Center for a Sustainable Future (ACSF)
2004 - Co-Director, Center for Future Energy Systems, NY CAT
2003-2009 Co-Director, Cornell Fuel Cell Institute
2000-2005 Director, Cornell Center for Materials Research
1996 - John A. Newman Professor of Physical Science
1986-1996 Professor of Chemistry, Cornell University
1983-1986 Head, Solid State and Physics of Materials
Research Dept., AT&T Bell Labs, Murray Hill, NJ
1981-1983 Head, Solid State Chemistry Research Dept.,
AT&T Bell Labs
1978-1981 Research Head, Chemical Physics Research Dept.,
AT&T Bell Labs
1971-1978 Member of Technical Staff, AT&T Bell Labs

Areas of Primary Scientific Interest:

Intermetallic Compounds; Fuel Cells; Electrocatalysts and Catalyst Supports; Nitride Compounds;
Thermoelectric Materials; Electrical and Magnetic Properties; High Energy Density Battery Materials

Organizations and Honors:

Member of the National Academy of Sciences
Fellow of the American Association for the Advancement of Science
Fellow of the American Academy of Arts and Sciences
Fellow of the American Physical Society and Materials Research Society
APS International Prize for New Materials, 1991
Member of the American Chemical Society
Faculty Fellow, Cornell Center for a Sustainable Future

Recent Professional Activities:

Basic Energy Science Advisory Committee (BESAC) at DOE, 2005 - --
Council on Materials Sciences, DOE, 1999-2004
Solid State Sciences Committee, NRC, 2000-2004
NRC Panel on Assessment and Outlook of the NSF MRSEC Program, 2005
NRC Committee on Midsized Facilities, 2002-2004
Board of Trustees of the Gordon Research Conference, (1994-1999),
Chairman of the Board, 1997
Numerous Professional and Government Agency Committees

Publications and Patents: 500+ papers published in collaboration with many talented colleagues and 12 patents/pending