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Position Title: R&D Staff Member
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Education and Training:

Vassar College, Poughkeepsie, NY	B.A.	2000	Chemistry
University of Pennsylvania, Philadelphia, PA	Ph.D.	2005	Physical Chemistry
Rutgers University, Piscataway, NJ (Postdoc)		2005–2008	Physics Department

Professional Experience:

2019 - present	Group Leader, Condensed Matter Theory Group, MSTD, ORNL
2017 – present	Senior R&D Staff, Materials Science and Technology Division, ORNL
2017 – present	Associate Editor, Journal of Applied Physics (AIP)
2017 – 2019	Team Lead, Materials Theory Group, MSTD, ORNL
2012 – 2017	R&D Staff, Materials Science and Technology Division, ORNL
2008 – 2012	R&D Associate, Materials Science and Technology Division, ORNL
2005 – 2008	Postdoctoral Research Associate, Rutgers University
2000 – 2005	Graduate Researcher, University of Pennsylvania
Summer 2000	Undergraduate Researcher, Vassar College/LANL
1999 – 2000	Undergraduate Researcher, Vassar College
Summer 1996	Undergraduate Research Summer Institute (URSI), Vassar College

Honors and Awards:

DOE Early Career Award (2013)
IBM/ACS Graduate Student Award in Computational Chemistry (2002)

Synergistic/Leadership Activities:

Aug. 2019	BES Roundtable, Liquid Solar Fuels
July 2019	GFMAT-2 Symposium: "Ceramics Modeling, Genome and Informatics" co-organizer
Sept. 2018	NSF PIRE Review Panel Member
2017 – 2018	CNMS User Executive Committee, Member at Large
Mar. 2017	APS Focus Session: "van der Waals Bonding in Advanced Materials" co-organizer with Leeor Kronig
2015 – 2017	ORNL Chemistry and Materials Seminar co-organizer with Craig Bridges
Mar. 2015	APS Invited Speaker Session: Co-organizer with Volker Blum (Duke), Ismaila Dabo (Penn. State) and Timo Thonhauser (Wake Forest)
Jan. 2015	Fundamental Physics of Ferroelectrics and Related Materials Workshop Lead Organizer; Co-organizers P. Ganesh (ORNL) and H. Xu (UTK)
Mar. 2013	APS Session: Recent Developments in Density Functional Theory Co-organizer with Timo Thonhauser (Wake Forest)
Feb. 2013	Computational and Data Driven Materials (CDMR5) Review Panel, NSF
Jan. 2013	Fundamental Physics of Ferroelectrics and Related Materials Workshop Co-organizer with S. P. Beckman (Iowa State) and P. M. Gehring (NIST)
FY 2010	ORNL 2010 Distinguished Seminar Series in Materials Theory Co-organizer with D. Xiao and S. Okamoto
June 2009	Cyber-Enabled Discovery and Innovation Review Panel, NSF
2005 - present	Rutgers-Chalmers van der Waals density functional development team member

Mentoring/Outreach Activities:

Summer 2019 ORNL HERE student mentor (N. Meyer, Wake Forest)
Summer 2016 ORNL ASTRO student mentor (R. Herchig, Univ. S. Florida and K. Pitike, Univ. Conn.)
Fall 2014 ORNL HERE sabbatical visitor (K. Donald, Richmond Univ.)
Summer 2014 ORNL HERE student mentor (B. K. Voas, Iowa State)
Summer 2013 ORNL ASTRO student mentor (N. Sivadas, Carnegie Melon)
Summer 2013 ORNL HERE student mentor (B. K. Voas, Iowa State)
2012 – 2013 ORNL HERE/ASTRO student mentor (N. Sivadas at Carnegie Melon, B. K. Voas at Iowa State)
Summer 2012 ORNL HERE student mentor (B. K. Voas, Iowa State)
2009 – 2011 Ph. D. visiting student mentor (Dr. Guo Li, currently at Molecular Foundry)

Professional Activities:

Journal Reviewer: including Phys. Rev. Lett., Phys. Rev. B, J. Chem. Phys., J. Phys. Chem., J. Phys.:Condens. Matter, Mat. Lett.
Proposal Reviewer: NSF, DOE, ACS-Petroleum Research Fund, Austrian Science Fund (FWF), Israel Science Foundation
Member: American Physics Society, American Chemical Society, Materials Research Society, American Ceramics Society