



LYNNETTE MADSEN was awarded both a Bachelor of Applied Science in Electrical Engineering and a Bachelor of Arts in Psychology from the University of Waterloo, a Master of Engineering in Electronics from Carleton University, and a Doctor of Philosophy in Materials Science and Engineering from McMaster University. Her doctoral studies were supported by industrial (Nortel Networks), provincial (OCMR) and federal (NSERC) scholarships. NSERC also supported her post-doctoral fellowship at the University of Illinois in Urbana-Champaign. From 1997-2000, she held a faculty position at Linköping University in Sweden where she was promoted to Docent (Associate Professor). Additionally from 1999-2002, she held a visiting/adjunct faculty position at Carnegie Mellon University. Since 2000, she has worked at the National Science Foundation (NSF) as the Program Director for Ceramics. She, has led new co-operative activities with European researchers in materials; been instrumental in forwarding NSF programs and initiatives on nanotechnology, manufacturing, sustainability, education, and diversity; and has an active independent research program. Her efforts at NSF have been recognized with two Director Awards, eight Performance Awards and an Incentive Award for Timely Program Management. Lynnette Madsen's research includes epitaxial and

pseudomorphic film growth and characterization, combinatorial nanomaterials science applied to perpendicular magnetic recording media, contact formation to silicon carbide, and the characterization of nanoscale graphite intercalation compounds. To date she has published 90 journal, conference and magazine articles; been awarded two patents; and delivered more than 75 invited scientific or professional talks. Dr. Madsen has served as a panelist for the National Research Council and received a Materials Research Society Presentation Award. She has enjoyed support from industry (ABB, Siemens and Nortel Networks) for her research and consulting. She currently serves as an advisory board member for the Rosalind Franklin Society. At the AVS, she initiated the Excellence in Leadership recognition in 2012 and the annual Federal Funding Town Hall series in 2010. As well, she co-chairs the Focus Topic, "Accelerating Materials Discovery for Global Competitiveness (MG)". She has previously co-chaired Focus Topics dealing with both manufacturing and energy.