



Mechanical Engineering  
Academy of Distinguished Alumni

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BA PHY, University of California, 1985

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Laura H. Lewis is the Distinguished University and Cabot Professor of Chemical Engineering and Professor of Mechanical and Industrial Engineering at Northeastern University in Boston, MA. Prior to her faculty position at Northeastern University, she was a research group leader and Associate Department Chair in the Nanoscience Department of Brookhaven National Laboratory (BNL), a US Department of Energy Laboratory devoted to research in the physical, biomedical, and environmental sciences, as well as in energy technologies. Lewis received her Ph.D. in Materials Science and Engineering from the University of Texas at Austin and she earned a M.S. degree in Electronic Materials from M.I.T. and a B.S. degree in Physics and Earth Sciences from the University of California at San Diego.

Laura's research focuses on investigating the materials factors at the atomic level that provide functionality to magnetic materials. She has (co)-authored over 200 peer-reviewed publications and delivered over 100 national/international invited presentations. She has participated on a number

advisory panels, including as a NATO Technical Team Member (AVT-231, Scarcity of Rare Earth Materials for Electrical Power Systems), worked with the US National Academies Vietnam Education Foundation, and participated in Nanoscience Journalist Roundtable, New York Academy of Sciences. She is currently an Advisory Board Member of the Critical Materials Institute, A DOE Energy Innovation Hub and she serves on the International Advisory Committee of the Joint European Magnetics Symposia.

Laura is a Senior Member of the IEEE and is the Conference Editor of the IEEE Transactions on Magnetics and is the Chair of the IEEE Magnetics Society Technical Committee. She is a Fellow of the American Physical Society, a Fulbright Fellow as well as a member of the Materials Research Society, the American Chemical Society, and the American Society for Engineering Education. She divides her time between Boston and Long Island, New York, and enjoys cooking, early music, and travel, which she has been able to do quite a lot of during her recent Fulbright Fellowship based in Madrid, Spain.