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Bio: Dr. Read is a program officer in the Chemical, Bioengineering, Environmental, and Transport Systems (CBET) division of the directorate for Engineering of NSF. She has been at NSF for about 10 years. Dr. Read has also served as a program officer in the Engineering Research Center Program of NSF. Prior to NSF, Dr. Read served as a technology development manager in the Department of Energy's Office of Energy Efficiency and Renewable Energy in the Hydrogen and Fuel Cells Technology Office. In this program, she managed applied research and development in hydrogen storage technologies for transportation applications, ran the education program, managed market transformation projects, and led the U.S. participation in the International Energy Agency's Hydrogen Implementing Agreement on the Executive Committee of that research collaboration. Dr. Read also has industrial experience at then Arthur D. Little, Cambridge MA in chemical and energy industry consulting with expertise in technology assessment. Dr. Read also has experience in the petrochemical industry in then ARCO Chemical in process development. Dr. Read holds a Ph.D. in chemical engineering from the University of Delaware and a business management certificate from the Wharton School of the University of Pennsylvania