

The 2013 Abbott  
Chemistry Lectures  
*April 25th & 26th, 2013*

*Given by*

**Dr. Debra R. Rolison**

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Washington, DC



Dr. Rolison heads the Advanced Electrochemical Materials section at the NRL, where her research focuses on multifunctional nanoarchitectures for such rate-critical applications as catalysis, energy storage and conversion, and sensors. She is also an Adjunct Professor of Chemistry at the University of Utah (2000–present). She was a Faculty Scholar at Florida Atlantic University (1972–1975) and received a Ph.D. in Chemistry (UNC–CH, 1980).

Dr. Rolison is a Fellow of the American Association for the Advancement of Science, the Association for Women in Science, the Materials Research Society (Inaugural Class), and the American Chemical Society and received the 2011 ACS Award in the Chemistry of

Materials, the 2011 Hillebrand Prize of the Chemical Society of Washington, and the 2012 C.N. Reilley Award of the Society for Electroanalytical Chemistry. Her editorial advisory board service includes *Analytical Chemistry*, *Langmuir*, *Journal of Electroanalytical Chemistry*, *Advanced Energy Materials*, *Nano Letters*, the *Encyclopedia of Nanoscience and Nanotechnology*, and *Annual Review in Analytical Chemistry*.

When not otherwise bringing the importance of nothing and disorder to materials chemistry, Rolison writes and lectures widely on issues affecting women (and men!) in science, including proposing Title IX assessments of science and engineering departments. She is the author of over 200 articles and holds 24 patents.

Thursday, April 25<sup>th</sup>, 7:00 PM  
Abbott Hall Room 101

*“Creating Change in Scientific Institutions  
through Subversion, Revolution (Title IX!),  
and Climate Change.”*

Friday, April 26<sup>th</sup>, 12:00 PM  
Abbott Hall Room 138

*“Enhancing energy storage  
on the macroscale via architectural  
design on the nanoscale.”*

## George A. Abbott, 1874-1973



Dr. George Alonzo Abbott, Professor Emeritus at the University of North Dakota, had a long and fruitful career of service to the State of North Dakota and the science of Chemistry. He was born July 7, 1874, in Alma, Illinois. Dr. Abbott received both the B.S. and M.A. pro merito from DePauw University. From 1896 until 1904 he taught chemistry in high schools in Evansville, Indiana; Duluth, Minnesota; and Indianapolis, Indiana. In 1903, through a contact with Professor Talbot, he received the Austen Research Fellowship at Massachusetts Institute of Technology. Under the guidance of A. A. Noyes, Professor of Physical Chemistry at M.I.T., he received the Ph.D. in 1908. In this first class of doctorates in chemistry were such notables as Edward Washburn, Charles Kraus and Richard Tolman. Dr. Abbott joined the chemistry staff of the North Dakota Agricultural College (North Dakota State University) in 1909. In 1910 he was appointed Professor and Chairman of the Department of Chemistry at the University of North Dakota. His devotion to teaching and the application of chemistry for the betterment of North Dakota was one of his outstanding contributions. His interests in quality water and in natural products such as lignite, for which North Dakota is recognized, gave him national recognition. For half a century he was the only toxicologist in a wide area of the upper midwest. He found time to do a weekly radio program "Science from the Sidelines" which was broadcast for over twenty years. Professor Abbott was a founder and charter member of the North Dakota Academy of Science. He was a member of the Red River Valley Section of the American Chemical Society, a Fellow of the American Institute of Chemists, member of Sigma Xi, and a charter member of the University of North Dakota Phi Beta Kappa chapter. Dr. Abbott retired from administration in 1948 and from teaching in 1952. He continued toxicological work until 1970.

The George A. Abbott Lectureship was established by gifts from the University of North Dakota Alumni.

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