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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). 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.