

ADVANCE Distinguished Lectureship

Co-sponsored by the "Women in Electrochemistry Series" of the Cleveland Local Section of the Electrochemical Society



Debra Rolison
Surface Chemistry Branch
Naval Research Laboratory

Debra Rolison received a B.S. in Chemistry from Florida Atlantic University in 1975 and a Ph.D. in Chemistry from the University of North Carolina at Chapel Hill in 1980 under the direction of Royce W. Murray. Dr. Rolison joined the Naval Research Laboratory as a research chemist in 1980 and currently heads the Advanced Electrochemical Materials section. She is also an Adjunct Full Professor of Chemistry at the University of Utah. Her research at the NRL focuses on multifunctional nanoarchitectures, with special emphasis on new nanostructured materials for catalytic chemistries, energy storage and conversion, biomolecular composites, porous magnets, and sensors.

Dr. Rolison writes and lectures widely on issues affecting women in science. Her ideas with respect to using Title IX to evaluate academic Science & Engineering departments recently led to a hearing on "Title IX and Science" before the U. S. Senate subcommittee on Science, Technology, and Space (3 October 2002). She has written over 100 refereed journal publications and 40 book chapters or reports, been awarded 10 U. S. patents (with 6 pending), presented over 230 talks (>100 of which were invited) at professional society meetings, and given an additional 185 professional talks and seminars.

Opportunities with nanoarchitectures: The importance of nothing and the unimportance of periodicity

Co-sponsored by the Department of Chemistry

Monday, February 16, 2004 at 4PM—Refreshments will follow
Clapp Hall, Room 108

Silica nanoarchitectures incorporating self-organized protein superstructures with gas-phase biofunctionality

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Monday, February 16, 2004 at 5PM
Clapp Hall, Room 108

Can Title IX do for women in science and engineering what it has done for women in sports?

Co-sponsored by the Center for Women and Women in Science and Engineering Roundtable (Wiser)

Tuesday, February 17, 2004 at 4PM—Reception will follow
Strosacker Auditorium

Integrating the multifunction necessary for electrochemical power into mesoporous nanoarchitectures

Co-sponsored by the Yeager Center for Electrochemical Sciences

Wednesday, February 18, 2004 at 11:30 AM
Kent Hale Smith, Room 119

Wednesday, February 18, 2004 from 1:30-2PM

Question & Answer with students
Olin Building, Room 709

With generous support from the National Science Foundation ADVANCE award, the Academic Careers in Engineering and Science (ACES) program at Case Western Reserve University seeks to contribute to the development of a national science and engineering workforce that includes the full participation of women at all levels of faculty and academic leadership.