



SRNL Guest Speaker



**Madren Conference Center
Grand Ballroom
February 3rd
12:00 pm
(with Lunch)**

Carol Eddy- Dilek

Carol Eddy-Dilek is a Laboratory Fellow at the Department of Energy Savannah River National Laboratory. For the past 36 years, she has worked on a variety of programs focused on development and deployment of innovative approaches for environmental characterization and remediation that can be applied to complex and challenging environments. Her efforts have resulted in the development or deployment of over twenty innovative methods for subsurface access and characterization that have been successfully applied within the DOE complex. She currently leads the DOE-Environmental Management Advanced Long Term Environmental Monitoring Systems (ALTEMIS) program focused on reducing DOE's monitoring liability. The sensor-based approach focuses on development of new paradigm using artificial intelligence and machine learning to proactively monitor contaminant migration. Since 2002, she has been the technical lead for the Department of Energy's Technical Assistance program which provides technical support to groundwater remediation in the DOE complex. She organized more than 50 teams that have visited eleven DOE sites and made recommendations yielding an estimated cost savings of \$100M. She is also the lead for the EM National Laboratories activities focused on expanding the Office of Legacy Management's access to EM technical expertise in the development and deployment of environmental solutions.