

ENVIRONMENTAL SCIENCE and ENGINEERING PRESENTS:

DR. Aaron Byrd

Engineer Research and Development Center
US Army Corps of Engineer

Title:

Surviving as a Research Engineer in the US Army Corps of Engineers

12:00-1:00, FRIDAY, OCT. 2-AET-0.204

Summary: The US Army Corps of Engineers has more than 37,000 dedicated civilians and soldiers that work in more than 90 countries around the world to accomplish the unique and challenging civil and military missions we have as a military-led organization that consists of mainly civilian federal employees. USACE has unique roles and capabilities in order to support our nation in times of crisis and create engineering solutions to help prevent, mitigate, and respond to disasters. USACE also has a regulatory role to oversee the effective and wise use of a range of our nations water resources to promote and enhance both environmental and economic concerns.

As a federal research center, ERDC has a unique role within USACE to develop new tools, methodologies, and capabilities to enhance our engineering capabilities, both from a theoretical and applied perspective, and better support the Corps' management and operations missions. This seminar will give an overview of USACE and ERDC, the research we do at ERDC and CHL, some of the water resources challenges that face USACE and our country, how to work with USACE, and some lessons learned as a practicing research engineer.

Biographical Brief: Dr. Aaron Byrd is a Research Civil Engineer at the Coastal and Hydraulics Laboratory (CHL) of the Engineer Research and Development Center (ERDC), the research center for the US Army Corps of Engineers (USACE). Dr. Byrd has 12 years of experience in leading millions of dollars of research projects at CHL. Dr. Byrd was also the Branch Chief of the Hydrologic Systems Branch for almost three years. Dr. Byrd is a graduate of Brigham Young University (B.S. and M.S. in Civil and Environmental Engineering) and Utah State University (Ph.D. in Civil and Environmental Engineering.)