

Environmental Logistics: Applying Technology to Facilitate Management of Petroleum Impacted Sites

This Workshop will be presented by several experts who have extensive experience in acquisition, storage, retrieval, and manipulation of environmental data to facilitate management of petroleum impacted sites. Dr. Johnson will coordinate the Workshop and provide overview examples of how environmental logistics reduces costs and produces effective site management. He will be supported by Mr. Recep Ynez of Fugro Geosciences, Inc., Mr. Mitchell Beard of EarthSoft Inc., and Dr. Meng Ling of The RETEC Group. Mr. Ynez will discuss the application of optical scanning and geophysical technologies in delineating subsurface environments and the distribution of non-aqueous phase liquids in rapid characterization programs. In particular, he will discuss how digital data collected from these technologies can be rapidly evaluated to facilitate real-time field decision-making. Mr. Beard will present information on data delivery, storage, and retrieval. He will discuss the importance of electronic data deliverables, data validation, and automated data dispersal. Dr. Meng Ling will discuss the application of various technologies to analyze and present electronic data. Dr. Ling will provide examples of visual imagery, GIS, and optimization technologies to facilitate environmental site management. Other specialists may further support these key presentations.

Biographical Sketches:

Dr. Jeffrey A. Johnson has over 25 years of professional experience in natural resource assessment, site characterization, remedial operations, and technical analyses. He is a Senior Technical Consultant and Director of the Center for Environmental Logistics for The RETEC Group, Inc. In his work for the U.S. EPA and private companies, Dr. Johnson has considerable experience in the development and application of databases, models, computer imagery, GIS, web-based systems, and electronic presentations. Dr. Johnson holds a Ph.D. in Geology from the University of California, Berkeley and is a Certified and Registered Professional Geologist.

Mr. Recep Ynez is President of Fugro Geosciences, Inc. He is responsible for onshore/nearshore cone penetration operations which include project planning, coordination and application to geotechnical/ hydrogeological investigations. He has extensive experience in data acquisition systems, in-situ testing, electronic cone penetrometers and software developments.

Mr. Mitchell Beard is the founder, chairman, and CEO of EarthSoft Inc. EarthSoft's EQUIS is the most widely used environmental data management system in the world. Mr. Beard spent 20 years in the software industry at Hewlett-Packard and Sun Microsystems, in a variety of engineering, sales, and marketing positions. Mr. Beard has a BS in Electrical Engineering from USC and an MBA from UC Berkeley.

Dr. Meng Ling specializes in the application of computer technologies to facilitate environmental characterization and remediation. He is the author of MAROS, a newly developed software program to evaluate monitoring well effectiveness. Dr. Ling received his Ph.D. from the University of Houston and is a Program Engineer with The RETEC Group, Inc.