

JOHN DAVID DITMARS

Associate Director
Environmental Science Division
Argonne National Laboratory

Education:

Ph.D. California Institute of Technology, Civil Engineering, 1971
M.S. California Institute of Technology, Civil Engineering, 1966
B.S.E. Princeton University, Civil Engineering (magna cum laude), 1965

Professional Experience:

1989-Present Senior Engineer; Associate Division Director (2003)
Director, Strategic Planning and Program Development
Manager, Restoration, and Pollution Prevention
Environmental Science Division
Argonne National Laboratory

Coordinates the strategic planning and program development activities for the Environmental Science Division. Provides direction and oversight to the Division's programs in restoration. Manages interdisciplinary environmental programs and projects supporting the environmental assessment and restoration programs of the Department of Energy; the restoration, environmental compliance, and base closure programs of the Department of Defense; and environmental programs of other federal agencies. Experienced in all phases of the facility restoration process through conceptual remediation designs. Develops strategies to expedite the cleanup process including the use of environmental data management, visualization, and decision tools. Integrates modeling and data acquisition technologies to facilitate environmental assessment and national security decision making.

Summary of Previous Experience:

1988-1989 Project Director
Environmental Management and Information Systems Division
Roy F. Weston, Inc., West Chester, Pennsylvania

Managed several environmental projects including: site assessment for redevelopment of a century-old industrial site; selection strategies for the multi-state location of hazardous and municipal waste facilities using geographic information systems; field and modeling studies of industrial discharge plumes for toxicity reduction evaluations; and additional development of the Weston Technical Information Management System, including various modes of data reporting for geoscience and engineering applications on mainframe and personal computers.

1977-1988 Senior Engineer; Acting Associate Director for Engineering Geosciences 1976-1987; Senior Engineer; Manager, Hydrologic and Geologic Engineering Section, Argonne National Laboratory

Responsible for three sections in the engineering geosciences with modeling, analysis, and field and laboratory data acquisition skills and capabilities. Directed research programs on geoscience aspects of geologic repositories for high-level radioactive waste, of world petroleum basins, and of hazardous waste problems. Investigations included the development and evaluation of analytical and numerical models and the environmental effects of ocean energy systems.

1972-1977 Assistant Professor of Civil Engineering and Marine Studies
University of Delaware, Newark, Delaware

1970-1972 Visiting Assistant Professor
Water Resources and Hydrodynamics Division
Civil Engineering Department, Massachusetts Institute of Technology
Cambridge, Massachusetts

Research Interests:

Strategies and tools to accelerate the environmental restoration process
Environmental data management techniques and tools
Modeling and other decision support systems for environmental problems

Professional Activities:

Editorial Board Member, *Clean Technologies and Environmental Policy* journal
Member, Environmental Affairs Committee, Chair, Environmental Data Management and Communication Subcommittee, Society of American Military Engineers
Member, Environmental Division, National Defense Industrial Association
Member, Grants Review Panel, The Charles A. Lindbergh Fund, Inc.
Executive Committee, Hydraulics Division, American Society of Civil Engineers (1984-88)
Member, Study Committee of Land, Sea, and Air Disposal of Industrial and Domestic Wastes, Board on Ocean Science and Policy, National Research Council (1983)
Founding reviewer of *Mixing and Transport*, Annual Literature Review, Journal of Water Pollution Control Federation (1974-79)

Publications:

Author of 80+ journal, book, report, and conference publications.