

Y. EUGENE YAN

Applied Geosciences and Environmental Management Section
Environmental Science Division
Argonne National Laboratory

Education:

Ph.D.	The Ohio State University, Hydrogeology, 1998
M.S.	Kent State University, Geophysics, 1993
M.S.	Tongji University, Marine Geology, 1985
B.S.	Tongji University, Geological Engineering, 1982

Professional Experience:

1998-Present	Hydrologist Environmental Science Division Argonne National Laboratory
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Responsible for (1) leading hydrology studies on remedial investigations at hazardous waste sites, simulation of hydrologic processes from the local scale at specific sites to large-scale watersheds, and quantitation of renewable water resources for sustainable development and (2) developing and applying innovative technologies to restore contaminated sites.

Summary of Previous Experience:

1998	Post-Doctoral Research Associate The Ohio State University
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Responsible for a research project sponsored by Department of Energy to develop an in-situ chemical remediation technology for degradation of chlorinated solvents in the subsurface.

1997-1998	Hydrogeologist Metcalf & Eddy, Inc
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Responsible for (1) developing site-specific models and simulating groundwater flow and mass transport for evaluations of remediation alternatives at a major Superfund site in Ohio and (2) performing risk assessments for petroleum- and VOCs-contaminated sites with numerical and analytical methods.

Research Interests:

Develop innovative in-situ contaminant remediation technologies
Design and optimize remediation systems
Quantify renewable water resources in a large-scale watershed for sustainable development
Characterize/simulate complex hydrologic systems and associated contaminant migration

Professional Activities:

Instructor for the UNDP short course on surface water and groundwater modeling at Cairo University, Egypt, 2003 and 2004

Adjunct Research Associate Professor, University at Buffalo (SUNY), 2004-present Member, The American Geophysical Union (AGU)

Member, Geological Society of American (GSA)

Member, National Ground Water Association (NGWA)

Publications:

Author or co-author of 50+ journal, conference publications, report, and presentations.