

PETER SHANAHAN

PUBLICATIONS

- Shanahan, P., "A Groundwater Model Used to Sense Subsurface Geology in an Alluvial Basin near Tombstone, Arizona," M.S. Report, Department of Applied Earth Sciences, Stanford University, Stanford, California, June 1974.
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- "Ground Water and Cities" by Peter Shanahan and Bruce L. Jacobs.
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PRESENTED PAPERS AND LECTURES

Shanahan, P. and D.R.F. Harleman, "A Linked Hydrodynamic and Biogeochemical Model of Eutrophication in Lake Balaton," presented by P. Shanahan at the 3rd International Conference on State-of-the-Art in Ecological Modeling, Fort Collins, Colorado, May 24, 1982.

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Shanahan, P., "Water Temperature Modeling: A Practical Guide," presented at the Stormwater and Water Quality Model Users Group Meeting, U.S. Environmental Protection Agency, Detroit, Michigan, April 13, 1984.

Shanahan, P., "Adaption of the USGS 3-D Ground Water Flow Model for Simplified Mass Transport Analysis," presented at the Eastern Regional Ground Water Conference, National Water Well Association, Newton, Massachusetts, July 1984.

Shanahan, P., "Directions in Superfund Response Actions: Investigation, Treatment Alternatives and Cleanup Standards," lecture at the 1986 Environmental Law Institute, Minnesota Institute for Legal Education, Minneapolis, Minnesota, March 20, 1986.

Shanahan, P., "Type B Natural Resource Damage Assessment: Overview" and "Surface Water and Geologic Resources," presented at the 1986 Washington Conference on Damages to Natural Resources, The Center for Energy and Environmental Management, Alexandria, Virginia, November 18, 1986.

Shanahan, P. and R.J. Fine, "Trends in Superfund Response Actions," Paper No. 87-17.2, presented by P. Shanahan at the 80th Annual Meeting and Exhibition, Air Pollution Control Association, New York, New York, June 22, 1987.

Shanahan, P., "Ground-water Remediation at Coal-Tar Contamination Sites," presented at Seminar on Implications of SARA and RCRA Closure/Continuing Release Provisions on the Iron and Steel Industry, American Iron and Steel Institute, Pittsburgh, Pennsylvania, October 7, 1987.

Cosgrave, T., P. Shanahan, J.C. Craun and M. Haney, "Gradient Control Wells for Aquifer Remediation: A Modeling and Field Case Study," presented by P. Shanahan at the Solving Ground Water Problems with Models Conference, Indianapolis, Indiana, February 7-9, 1989.

Shanahan, P., "Drainage: Basic Functions," workshop presented at the Massachusetts Association of Conservation Commissions 1991 Annual Meeting, Worcester, Massachusetts, March 2, 1991.

Shanahan, P., "Experience in Remediation of Water Quality at U.S. Hazardous Waste Sites," presented at Water Resources Project Advisory Board Meeting, International Institute of Applied Systems Analysis, Laxenburg, Austria, March 30, 1992.

Shanahan, P., "Ground-Water Models for Analysis of Water-Supply Problems," presented at Computer Symposium, Exhibition & Demonstration, New England Water Works Association, Boxborough, Massachusetts, October 27, 1993.

- Shanahan, P., "Ground-Water Remediation and Modeling," presented at NATO Advanced Research Workshop on Remediation and Management of Degraded River Basins with Emphasis on Central and Eastern Europe, International Institute for Applied Systems Analysis, Vienna, Austria, June 14, 1994.
- Shanahan, P., "A Water-Quality History of the Blackstone River, Massachusetts, USA: Implications for Central and Eastern European Rivers" presented at Water Quality International '94, Seventeenth Biennial Conference and Exhibition, International Association on Water Quality, Budapest, Hungary, July 25, 1994.
- Shanahan, P., "The Changing Approach to Water-Quality Management in the United States," presented at Degraded River Basins in Central and Eastern Europe: Summary Workshop on Findings and Policy Implications, International Institute for Applied Systems Analysis, Laxenburg, Austria, May 31, 1996.
- Shanahan, P., "Vulnerability of Water Quality to Climate Change," presented at EPA Workshop on Water and Climate Change: Regions of Vulnerability, University of Colorado, Boulder, Colorado, January 29-30, 1998.
- Shanahan, P., M. Henze, L. Koncsos, P. Reichert, W. Rauch, L. Somlyódy, and P. Vanrolleghem, River Water Quality Modelling: II. Problems of The Art," presented by P. Shanahan at Water Quality International 1998, Nineteenth Biennial Conference and Exhibition, International Association on Water Quality, Vancouver, British Columbia, Canada. June 24, 1998.
- Shanahan, P., D. Borchardt, M. Henze, L. Koncsos, W. Rauch, P. Reichert, L. Somlyódy, and P. Vanrolleghem, River Water Quality Model No. 1: I. Modelling Approach. Presented by P. Shanahan at 1st World Congress of the IWA, Paris 2000, Paris France. July 4, 2000.
- Shanahan, P., Indices for Water Quality. Presented by P. Shanahan at the UNESCO Workshop on Indicators for the World Water Development Report, The Hague, Netherlands. October 11, 2000.
- Shanahan, P. and D. Lantagne, Indicators for Water Quality. Presented by P. Shanahan at the Workshop on Indicator Development for the World Water Development Report, World Water Assessment Programme, UNESCO, Rome, Italy, February 8-10, 2002.
- Shanahan, P. Ground Water and Cities—Hydrological and Historical Perspectives. Presented at Fall 2008 Seminar Series, Center for Urban Environmental Research and Education, University of Maryland, Baltimore County. October 24, 2008

TEACHING

- Course 1.34, Waste Containment and Site Remediation Technology, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology. 2001-2009 academic years.
- Course 1.013, Senior Civil and Environmental Engineering Design, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology. 2007-2009 academic years.
- Course 1.782, Environmental and Geoenvironmental Engineering M.Eng. Project, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology. 1996-2009 academic years.
- Course 1.083, Environmental Health Engineering, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology. 2006-2009 academic years.
- Saturated Zone Transport and Surface-Water Transport, Training Course in Environmental Risk Assessment Analysis for the U.S. Nuclear Regulatory Commission, Bethesda, Maryland. January 27 and 28, 2009.
- Course 1.725J, Chemicals in the Environment: Fate and Transport, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology. 2005-2008 academic years.

Course 1.85, Water and Wastewater Treatment Engineering, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology. 2004-2007 academic years.

Course 1.096, Environmental Engineering Clinic, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology. 2005-2006 academic year.

Course ESD 1.7, Water Pollution Analysis, Master's course in Engineering for Sustainable Development, Cambridge University, Cambridge, United Kingdom. 2004-2005 academic year.

Ground-water Transport and Computer Codes for Estimating Transport, Emerging Topics in Radiation Protection and Risk Assessment, Kiawah Island, South Carolina. Risk Assessment Corporation. March 17, 2004.

Course CEE172, Fate and Transport of Chemicals in the Environment, Department of Civil and Environmental Engineering, Tufts University. 2003-2004 academic year.

Course 1.061/1.61, Transport Processes in the Environment, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology. 2001-2002 academic year.

Specialty Course on Diffuse Pollution Management, Vancouver, British Columbia, Canada. Technomic Publishing Company, Inc. June 25-26, 1998.

HONORS AND AWARDS

Maseeh Excellence in Teaching Award, Department of Civil and Environmental Engineering, MIT, May 2006.