

Meadows, Michael E.

TITLE

Associate Professor, Department of Civil and Environmental Engineering,
University of South Carolina

ADDRESS

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EDUCATION

Ph.D., Civil Engineering, University of Tennessee, 1976.

M.S., Environmental Engineering, University of Tennessee, 1973.

B.S., Mathematics, University of Tennessee, 1971.

PROFESSIONAL EXPERIENCE

1981-present, Associate Professor, Department of Civil and Environmental Engineering, University of South Carolina

1995-present, Faculty Affiliate, School of the Environment, University of South Carolina

1977-1980, Assistant Professor, Department of Civil Engineering, University of Kentucky

1976-1977, Research Assistant Professor, Department of Civil Engineering, University of Tennessee

1974-1975, Associate, Environmental Planning Engineers, Inc., Knoxville, TN

AWARDS AND HONORS

South Eastern Section Outstanding Teaching Award, American Society for Engineering Education, 2007.

Michael J. Mungo Award for Undergraduate Teaching, University of South Carolina, 2004.

ExCEED Career Award for Excellence in Teaching, American Society of Civil Engineers, 2002.

Listed in Who's Who Among America's Teachers, 1994, 2002, 2004, 2005.

Research Achievement Award, College of Engineering, University of South Carolina, 1993.

The Samuel Litman Distinguished Professor Award, College of Engineering, University of South Carolina, 1989.

R.E. Shaver Award for Excellence in Teaching, Dept. of Civil Engineering, University of Kentucky, 1979.

RESEARCH

Specialization

Water Resources Engineering

Interests

Urban stormwater management, Best Management Practices (BMPs), stormwater modeling, watershed hydrology, environmental hydraulics.

Current Projects

“Capacity Building for Research, Education, and Training in Water Resources Management in Pakistan,” Pakistan–United States Science and Technology Cooperative Program (PI: M. Hanif Chaudhry; Co-PI: J. Imran and M.E. Meadows).

COURSES

ECIV 362 – Introduction to Water Resources Engineering
ECIV 470 - Civil Engineering Design
ECIV 562 - Engineering Hydrology
ECIV 762 - Advanced Hydrology

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers
American Water Resources Association
Registered Professional Engineer, South Carolina

SELECTED PUBLICATIONS

Haestad Methods Engineering Staff, Walski, T.M., Barnard, T.E., Durrans, S.R., Meadows, M.E. and Whitman, B.E. (2007). Computer Applications in Hydraulic Engineering, 7th Ed., Bentley Institute Press, Exton, PA.

Haselbach, L., Loew, S.R. and Meadows, M.E. (2005). "Compliance Rates for Stormwater Detention Facility Installation," Journal of Infrastructure Systems, ASCE, 11(1): 61-63.

D'Amato, R. and Meadows, M.E. (2004). "Hydrologic Design Aids for Determining STSAS Site Suitability," Hydrological Science and Technology, American Institute of Hydrology, 20(1-4):55-66.

Goel, R.K., Liu, L., Flora, J.R.V., Meadows, M.E., and Irwin, W. (2003). "Modeling and Comparison of Electrolytic Aeration and ORC Aeration of Anoxic Groundwater in a Simulated Laboratory Aquifer," Environmental Engineering Science, 20(6):677-691.

Stephenson, D. and Meadows, M.E. (1986). Kinematic Hydrology and Modelling, Elsevier Science Publishers, Amsterdam.

Overton, D.E. and Meadows, M.E. (1976). Stormwater Modeling, Academic Press, New York.