

CURRICULUM VITAE

August 1, 2009

CHRISTOPHER G. UCHRIN

Professor

Department of Environmental Science
Cook College-Rutgers University
New Brunswick, NJ 08901-8551
Phone: (908) 932-9444; FAX: (908) 932-8644
email: cuchrin@rci.rutgers.edu

EDUCATION

Ph.D. Environmental & Water Resources Engrg., University of Michigan, Ann Arbor, MI, 1980
Dissertation: "Mathematical Modeling of Suspended Solids and Associated Pollutant Transport"
(Advisor: W.J. Weber, Jr.)
M.E. Environmental Engineering, Manhattan College, Riverdale, N.Y., 1974
B.E. Civil Engineering, Manhattan College, Riverdale, N.Y., 1972

POSITIONS

Rutgers University, Professor (1990 - Present)
Rutgers University, Director, Bioenvironmental Engineering Undergraduate Program (1999-Present)
Rutgers University, Chair, Dept. Environmental Sciences (1991 - 1994)
Rutgers University, Director, Environmental Science Grad. Prog. (1986 - 1991)
Rutgers University, Associate Professor (1986 - 1990)
Rutgers University, Assistant Professor (1980 - 1986)
University of Michigan, Research Assistant (1978 - 1980)
University of Michigan, Rackham Fellow (1977 - 1978)
U. S. Environmental Protection Agency, Region II, NY, NY, Environmental Engineer (1972 - 1977)

LICENSES

Professional Engineer, New York (1977-Present)

SCIENTIFIC AND PROFESSIONAL SOCIETY MEMBERSHIPS

Air & Waste Management Association (517829)
American Chemical Society (930869)
American Society for Testing and Materials (105717)
American Society of Agricultural Engineers
American Society of Civil Engineers (195678)
American Water Resources Association (11860)
Association of Environmental Engineering and Science Professors
New Jersey Academy of Science
New Jersey Water Pollution Control Association
Society of Environmental Toxicology and Chemistry (166588)
Water Environment Federation (formerly Water Pollution Control Federation) (1452869)

HONORS

Tau Beta Pi Engineering Honor Society (V. Pres., Manhattan Col. Chptr., 1971-2)
Chi Epsilon Civil Engineering Honor Soc. (Sec., Manhattan Col. Chptr., 1971-2)
Sigma Xi Scientific Research Society
Outstanding Young Men of America, 1984
Who's Who in the World (1996-Present)
Who's Who in America (1997-Present)
Cook College/NJAES, Excellence in Teaching Award, 2005

PROFESSIONAL SOCIETY COMMITTEES AND OFFICERSHIPS

American Society of Civil Engineers; Water Resources Planning and Management Div.
Committee on Impact Analysis, Member (1982-1986), Secretary (1986)
Committee on Social and Environmental Impacts and Objectives, Member (1987-1992),
Secretary (1987), Vice Chairman (1988), Chairman (1989)
Publications Committee, Member (1984-1992)

Task Committee on Ground Water Protection Alternatives of the Ground Water
Committee, Irrigation Division, WR Division Liason (1989-91)
Student Representative, Manhattan College: New York Metro Division (1970-1)

American Society for Testing and Materials
Committee D-34 on Waste Disposal, Member (1987-Present)
Committee E-47 on Biological Effects and Environmental Fate (1996-Present)

American Water Resources Association
Groundwater Working Group, Member (1983-Present)
Modeling/Statistics Working Group, Member (1983-Present)
Water Quality Working Group, Member (1983-Present)

Association of Environmental Engineering and Science Professors
Education Committee, Member (2003-present)

New Jersey Academy of Science
President-Elect & Awards Committee Chair (1990-1991); President (1991-1992);
Past President & Finance Committee Chair (1992-3)

United States Environmental Protection Agency
Member Working Group to prepare Issue Paper, "Soil Sampling for Volatile Organic Analysis" (1990)

NY/NJ Harbor Estuary Program
Member, Pathogen Model Evaluation Group (2005)
Chair, Hackensack River Model Evaluation Group (2009-present)

STATE COMMITTEES

New Jersey Department of Environmental Protection
Disinfection Advisory Group
Member (1985-1990)
Whippany River Watershed Project
Technical Advisory Committee: Member (1994-present)
Subcommittee on Model Review: Chair (1996-2000)
Research Project: Evaluation of the New Jersey Ambient Monitoring Programs and
Development of Environmental Indicators Expert Panel: Member (1994-5)

EDITORIAL BOARDS

Associate Editor, *Journal of Water Resources Planning and Management*, ASCE (1984-92)
Associate Editor, *Journal of Environmental Engineering*, ASCE (2008-present)
Member Editorial Board, *Journal of Environmental Science and Health* (1990-present)
Member Editorial Board, *Archives of Environmental Protection* (Polish Academy of Sciences, 2005-present)

PEER REVIEWS (Journals and Grants)

Journal of the Water Resources Planning and Management Division, ASCE
Journal of the Environmental Engineering Division, ASCE
Water Resources Bulletin, AWRA
Environmental Science and Technology, ACS
Fifth Water Chlorination Conference, EPA, 1984
Brooks Cole Publishing Company, Monterey, CA
Soil Science Journal
Archives of Environmental Contamination and Toxicology
Hudson River Foundation (research proposal)
Research Enhancement Program for the San Francisco Bay/Delta (research proposal)
Water, Air, & Soil Pollution
Water Resources Research
National Undersea Research Center (research proposal-1994)
Member, Review Panel, Cook College Research Infrastructure Awards Program (2006)

UNIVERSITY SERVICE

Secretary to the College of Engineering Faculty (1980-1)
George H. Cook Honors Committee (1981-2, 1985-6, 1987-8, 1990-1)
Cook College Rules of Procedure Committee (1987-9); Secretary (1987-9)
Evaluator of Promotion Materials for Candidates at CCNY (1987), U. Cal.-Davis (1991),
Stevens Tech. (1991, 1996), U. Connecticut (1992), NJIT (1999), RWJMS-UMDNJ (2000)
Member, Environmental and Occupational Health Sciences Institute, UMDNJ-Rutgers (1987-present)
Cook College Council (1989-90)
Cook College Library Committee (1989-91)
Chair, Environmental Sciences Department Chair Search Committee (1989-90)
Physical Sciences Area Graduate School Committee (1990-1)
Cook College Planning Committee (1990-3; Chair: 1992-3)
Member, Institute of Marine and Coastal Sciences (1991-present)
Member, Cook College Distinguished Lecturer Committee (1990-1)
Member, Cook College Ad Hoc Curriculum Revitalization Committee (1990-1)
Member, President's Engineering Extension Task Force Committee (1991-2)
Acting Director, Environmental Science Graduate Program (August – December 1997)
Member, Physical Sciences Area Graduate School Committee (1997-8)
Member, New Brunswick Faculty Council (1997-9)
Member, Graduate and Professional Education Policy Committee, NB Faculty Council (1998-9)
Director and Coordinator, Undergraduate Curriculum in Bioresource Engineering (1999-present)
Member, Committee on Scholastic Standing, School of Engineering (1999-2003)
Member, Committee on Committees, School of Engineering (1999-2003)
Member, Professional and Continuing Education Committee, Cook College (2004-2007)
Member, Cook College Judicial Panel (2005-6)
Member, University Committee for Environmental Affairs (2005-present)
Member, Courses of Study Committee, School of Engineering (2005-7)

COURSES TAUGHT

Environmental Fate and Transport (grad & under grad); 1997-Present
Groundwater Pollution (graduate level); 1983-Present
Environmental Models (graduate level); 1982-Present
Numerical Methods in Environmental Science (undergraduate level); 1984-Present
Water and Wastewater Treatment II: Water Treatment (with S. Faust-graduate level); 1982-1990
Design of Water and Wastewater Treatment Systems (graduate level); 1981
Design of Environmental Engineering Facilities (undergraduate level); 1981
Fluid Mechanics (undergraduate level); 1980
Civil Engineering Analysis (undergraduate level); 1980-1981

PRIVATE CONSULTING

Harbridge House, Inc., New York, NY (1976-1977)

- * Technical mid-review of NOAA's International Decade of Ocean Exploration (IDOE) project

U.S. Environmental Protection Agency, New York, NY (1981-1987)

- * Technical Review of Section 301(h) permit applications
- * Technical Review of Advanced Wastewater Treatment (AWT) facility plans
- * Development of a wasteload allocation protocol for Puerto Rico

N.J. Department of Environmental Protection, Trenton, NJ (1985-1986)

- * Technical review of CAFRA permit applications for Smithville and Bayshore, NJ

Kupper Associates, Piscataway, NJ

- * Development of math models for projecting the impact of the Leesburg wastewater treatment facility expansion (1986-1989)
- * Development of math models for projecting the impact of the Wagner wastewater treatment facility expansion (1986-present)

T&M Associates, Middletown, NJ (1989-1993)

- * Mathematical model and wasteload allocation for WMUA wastewater treatment facility expansion

Coastal Environmental Services, Inc., Princeton, NJ (1990-1991)

- * Development of math models for projecting the impact of the Secaucus wastewater treatment facility expansion

Western Monmouth Utilities Authority, Englishtown, NJ (1994 – present)

- * Development of mathematical models for Duhernal Lake eutrophication study

Ciba-Geigy Corporation, Toms River, NJ (1994-1996)

- * Peer Reviewer for KD Study

Great Lakes Environmental Center (GLEC), Traverse City, MI (1994-1996)

- * Technical evaluation team for New York Harbor Model

Northeast Hazardous Substance Research Center, NJIT, Newark, NJ (1998-1999)

- * Review of documents for the Technical Outreach Services to Communities for Puerto Rico

Township of West Windsor, NJ (1998-1999)

- * Technical review and expert testimony regarding the analysis of potential ground water impacts due to residential housing developments

University of Medicine and Dentistry of New Jersey/Robert Wood Johnson Medical School (1999-2000)

- * Technical review and liaison on groundwater and water distribution modeling for New Jersey Department of Health – Toms River Project

University of Medicine and Dentistry of New Jersey/Robert Wood Johnson Medical School (2001-2005)

- * Obtain and provide technical review of pertinent groundwater parameter data for New Jersey Aquifers to support the project “The Development of Statistically Valid GIS Surfaces of Hydrologic Parameters for each Hydrogeologic Formation in New Jersey.

GRANTS AND CONTRACTS

Co-Principal Investigator: "Application of the Cornell Water and Land Resources Analysis System (WALRAS) to the Pinelands of New Jersey (with Dr. R. Hordon)," 7/81-6/82, Div. Water Resources, CCES, Tech. Transfer, \$2,400.

Investigator: "Management of High Strength Spills, Wastes, and Dumps on Landfill Leachate (P.I.: Dr. R. C. Ahlert)," 7/81-6/86, United States Environmental Protection Agency, \$600,000.

Principal Investigator: "Mathematical Modeling Pollutant Transport in a Porous Medium," 7/82-6/83, Rutgers Research Council, \$990.

Principal Investigator: "Passaic River Water Quality (with P.F. Strom)," 7/83-12/84, N.J. Department of Environmental Protection, \$36,626.

Co-Principal Investigator: "Characterization of Transport and Sorption Kinetics of Toxic and Hazardous Organic Substances in Groundwater Systems (with Dr. J. V. Hunter)," 8/83-8/84, Office of Water Research and Technology, U.S. Dept. Int., \$29,364.

Co-Principal Investigator: "Passaic River Model Verification (with Dr. P.F. Strom)," 9/83-12/84, N.J. Department of Environmental Protection, \$30,000.

Principal Investigator: "Matchaponix Brook Modeling Study," 2/84-8/84, Schoor, dePalma & Gillen Inc., \$4,208.

Co-Principal Investigator: "Fate of Pesticides in Commercial Cranberry Culture (with G. Winnett and W. Carey)," 6/84-5/85, New Jersey Department of Environmental Protection, \$23,986.

Co-Principal Investigator: "Characterization of Transport, Sorption, and Degradation of Toxic and Hazardous Organic Substances in Groundwater Systems: Phase II, Competitive Effects (with R.C. Ahlert and J.V. Hunter)," 8/84-7/85, Office of Water Research and Technology, U.S. Dept. Int., \$24,560.

Principal Investigator: "Sulfate Adsorption of Soils in the McDonalds Branch Watershed in the New Jersey Pinelands," 8/1/84-9/30/84, U.S.G.S., \$4,957.

Co-Principal Investigator: "A Characterization of the Binding of Toxic and Hazardous Organic Substances to Soil Particulates (with J.V. Hunter and P. Chan)," 1/1/85-12/31/87, N.S.F. University/Industry Cooperative Center for Research in Hazardous and Toxic Substances, NJIT, \$224,616.

Principal Investigator: "Characterization of the Sorption and Microbial Decomposition of Toxic and Hazardous Substances in Ground Water Systems," 2/1/85-1/31/86, N.J. Department of Environmental Protection, \$25,000.

Co-Principal Investigator: "The Fate of Pesticides in Ground Water in Commercial Cranberry Culture (with G. Winnett, W.F. Carey, and P. Marucci)," U.S. Depart. of Agriculture, 7/85-6/86, \$20,000.

Co-Principal Investigator: "The Migration of Gasoline Components in Ground Water Aquifer Soils: A Pilot Study (with T. Sabatino)," N.J. Department of Environmental Protection, 5/1/85-9/30/87, \$30,000.

Principal Investigator: "Great Lakes Bay Modeling Study," N.J. Department of Environmental Protection, 1/7/86-5/31/87, \$97,539.

GRANTS AND CONTRACTS (continued)

Principal Investigator: "Protocol Development for Site Specific Soil/Water Distribution Coefficients," N.J. Department of Environmental Protection, 4/1/86-12/31/87, \$50,000.

Co-Principal Investigator: "Surface and Ground Water Transport of Runoff-Induced Heavy Metals in the Great Lakes Bay (NJ) Basin," Office of Water Research and Technology, U.S. Dept. Int., 6/1/86-5/31/88, \$36,860.

Co-Principal Investigator: "Upper Millstone River Watershed Stormwater Runoff Study (with Dr. S.S. Park)," N.J. Department of Environmental Protection, 4/1/87-9/31/88, \$107,141.

Co-Principal Investigator: "A Characterization of the Behavior of Toxic and Hazardous Substances in Unsaturated Soil Systems (with J.V. Hunter and P. Jaffe, Princeton)," 7/1/87-6/30/88, N.S.F. University/Industry Cooperative Center for Research in Hazardous and Toxic Substances, NJIT, \$78,000.

Co-Principal Investigator: "Water Quality Study of the South Branch Raritan River (with Dr. S.S. Park)," General Environmental Consultants, 7/15/87-1/15/88, \$21,939.

Co-Principal Investigator: "Dynamics and Remediation of Toxic and Hazardous Substance Mixtures in Unsaturated Soil Systems (with P. Jaffe, Princeton)," 7/1/88-6/30/91, National Science Foundation University/Industry Cooperative Center for Research in Hazardous and Toxic Substances, NJIT, \$287,916.

Principal Investigator: "Soil Flushing Study for Volatile Organics from Cohansey Sands," Environmental and Energy Consultants, Inc., 8/1/88-12/31/90, \$229,606.

Investigator: "Research in Environmental Health Sciences-Center Grant (Dr. Bernard D. Goldstein, UMDNJ-RWJMS, P.I.)" N.I.E.H.S., 9/28/88-8/31/93, \$4,838,016.

Co-Principal Investigator: "Transport and Fate of Pesticides in a Bog Environment (with G. Winnett)," U.S.D.A. CSRS, 4/1/89-3/31/91, \$58,840.

Principal Investigator: "Evaluation of Hydrocarbons in Urban Runoff and in Detention Basins," Office of Water Research and Technology, U.S. Dept. Int., 6/1/89-5/31/91, \$28,323.

Principal Investigator: "The Impact of Contaminated Soil on Ground Water," NJDEP through NJIT subcontract, 5/1/89-9/28/90, \$17,340.

Co-Principal Investigator: "Pesticide Residues in Ground Water of Blueberry Fields in the Pine Barrens of New Jersey (with G. Winnett and N. Vorsa)," U.S.D.A.-NAPIAP, 9/1/90-9/30/92, \$50,000.

Co-Investigator: "Human Exposure Research: Personal and Microenvironmental Measurement and Modeling (PI: P.J. Liroy, UMDNJ-RWJMS)," U.S. Environmental Protection Agency, 7/1/89-6/30/92, \$87,530.

Principal Investigator: "Air Pollution Compliance Training Demonstration Center (with A. Gotsch, UMDNJ-RWJMS)," U.S. Environmental Protection Agency, 10/21/91-6/30/95, \$1,611,109.

Principal Investigator: "The Impact of Contaminated Soil on Ground Water (II)," NJDEP through NJIT subcontract, 11/12/91-11/12/92, \$48,282.

GRANTS AND CONTRACTS (continued)

Investigator: "Neurotoxicology of Superfund Chemicals (H.E. Lowndes, P.I.)" NIEHS Superfund Basic Research Program, 4/1/92-3/30/95, \$3,770,070.

Investigator: "Bioremediation of Aromatic Contaminant Mixtures in Soils and Sediments (PI: D.S. Kosson)" U.S. Department of Defense, DARPA, 7/1/92-6/31/97, \$5,197,730.

Principal Investigator: "Competitive Sorption of Organic Substance Mixtures on Surfactant Modified Clays (with K. Haus)" Office of Water Research and Technology, U.S. Dept. Int., 6/1/92-5/31/93, \$10,000.

Principal Investigator: "Determination of Site Specific Contaminant Retardation Factors", Geraghty & Miller, Inc., 1/31/93-12/31/93, \$36,317.

Principal Investigator: "Movement of High Concentrations of Low Volatility Organic Compounds Through the Unsaturated Soil Zone (with B. Williams and J.G. Hunter)," NJDEPE through Stevens Institute of Technology subcontract, 9/1/93-3/31/97, \$104,866.

Co-Investigator: "Bioavailability of Selected Hazardous Substances from NJ Waste Sites' Soils (K. Erstfeld, P.I.)," HSMRC-NJIT, 7/1/94-6/30/96, \$110,000.

Principal Investigator: "EPA Air Pollution Compliance Training Program (with A. Gotsch, UMDNJ-RWJMS)," US Environmental Protection Agency, 10/21/94-10/20/97, \$1,470,000.

Principal Investigator: "Whippany/Great Swamp Non-Point Source Demonstration Project", NJDEP through subcontract with Randolph Township, 9/1/95-8/31/97, \$59,000.

Co-Principal Investigator: "Intrinsic Bioremediation: Initial Development of a Guidance Document for Industry (R. Cowan, P.I.)," NJIT-HSMRC, 10/1/95-9/30/96, \$103,000.

Principal Investigator: "Whippany/Great Swamp Watershed Nonpoint Source Demonstration Project", NJDEP through subcontract with Hanover Township, 7/1/97-12/31/01, \$36,000.

Principal Investigator. "EPA Air Pollution Compliance Training Center (with A. Gotsch, UMDNJ-RWJMS)," U.S. Environmental Protection Agency, 10/21/97-10/20/01, \$1,194,846.

Principal Investigator. "A Watershed Mathematical Model for Assessing Multi-Media Nonpoint Source Groundwater Impacts to Eutrophic Receiving Waters," NJDEP, 8/1/98-6/30/02, \$224,516.

Principal Investigator, "Whippany River Sanitary Survey", NJDEP through subcontract with Hanover Township, 6/1/01-11/30/02, \$30,000.

Principal Investigator, "Development of Regional Stormwater Management Plans: Lower Delaware Watershed Region," NJDEP through subcontract with Camden County Soil Conservation District, 6/1/01-7/31/04, \$414,156.

Principal Investigator, "Water Quality Modeling in the Shrewsbury River Basin," NJDEP through subcontract with Monmouth County Soil Conservation District, 6/1/01-6/30/07, \$231,432.

Principal Investigator. "Rutgers Air Compliance Center (with M.A. Gallo)," U.S. Environmental Protection Agency, 10/21/01-10/20/02, \$250,000.

GRANTS AND CONTRACTS (continued)

Principal Investigator. "Rutgers Air Compliance Center (with M.A. Gallo)," U.S. Environmental Protection Agency, 10/01/02-12/31/08, \$1,397,678.

Principal Investigator. "Air Toxics Measurements at Camden WWTR Using OP-FTIR," NJDEP, 04/01/04-09/30/05, \$58,462.

Principal Investigator. "Examination and Transfer of Hydrologic and Hydraulic Data Collected in Soil Conservation Districts (with R. Lathrop and H.C. Ahn)," NJDEP through New Jersey Department of Agriculture State Soil Conservation Committee, 04/01/05 – 03/31/07, \$140,000.

REFEREED PUBLICATIONS

- Uchrin, C.G., and W.J. Weber, Jr., 1981. "Modeling Suspended Solids and Bacteria in Ford Lake," *J. Environ. Engrg., ASCE*, 107:975-993.
- Uchrin, C.G., and W.J. Weber, Jr., 1982. "Real Time Simulation of Conductivity in River-Lake Systems," *J. Environ. Engrg., ASCE*, 108:1027-1044.
- Uchrin, C.G., and W.J. Weber, Jr., 1983. "A Stochastic Model for Suspended Solids Settling Velocity," *J. Environ. Sci. Health*, A18:103-124.
- Slater, C.S., C.G. Uchrin, and R.C. Ahlert, 1983. "Physiochemical Treatment for Landfill Leachates Using Coagulation," *J. Environ. Sci. Health*, A18:125-134.
- Uchrin, C.G., and R.L. Caspe, 1983. "Operational Characteristics of Federally Funded Wastewater Treatment Plants," presented at the 54th Annual Winter Meeting of the New York Water Pollution Control Assoc., New York, NY, Jan., 1982, published in the *J. Wat. Pollut. Cont. Fed.*, 55:935-940.
- Uchrin, C.G., and W.J. Weber, Jr., 1983. "A Dynamic Bacterial Model for a Recreational Lake," *Wat. Res. Bull.*, 19:581-584.
- Slater, C.S., R.C. Ahlert, and C.G., Uchrin, 1983. "Applications of Reverse Osmosis to Complex Industrial Wastewater Treatment," *Desalination*, 48:171-187.
- Jenq, T.R., C.G. Uchrin, M.L. Granstrom, and S.F. Hsueh, 1983. "A Linear Program Model for Point-Nonpoint Source Control Decisions: Theoretical Development," *Ecological Modelling*, Vol. 19:249-262.
- Slater, C.S., R.C. Ahlert, and C.G. Uchrin, 1983. "Treatment of Landfill Leachates by Reverse Osmosis," *Environ. Prog.*, 2:251-256.
- Uchrin, C.G., and W.J. Weber, Jr., 1984. "A Generalized Model for Stormwater Runoff Hydrographs," *J. Environ. Sci. Health*, A19:67-82.
- Uchrin, C.G., 1984. "Modeling Transport Processes and Differential Accumulation of Persistent Toxic Organic Substances in Groundwater Systems," presented at the "Conference on Modelling the Fate and Effect of Toxic Substances in the Environment," International Society for Ecological Modelling, Copenhagen, Denmark, June, 1983, published in *Ecological Modelling*, 22:135-143.
- Jenq, T.R., M.L. Granstrom, S.F. Hsueh, and C.G. Uchrin, 1984. "A Phosphorus Management LP Model Case Study," *Wat. Res. Bull.*, 20:511-520.
- Uchrin, C.G., and W. Ollinger, 1984. "Continuous System and Finite Cell Models: A Statistical Comparison," *Ecological Modelling*, 25:85-96.
- Slater, C.S., C.G. Uchrin, and R.C. Ahlert, 1985. "Ultrafiltration Processes for the Characterization and Separation of Landfill Leachates," *J. Environ. Sci. Health*, A20:97-111.
- Uchrin, C.G., and J. Katz, 1985. "Reversible and Resistant Components of Hexachlorocyclohexane (Lindane) Sorption to New Jersey Coastal Plain Aquifer Solids," *J. Environ. Sci. Health*, A20:205-218.
- Uchrin, C.G., W.K. Ahlert, S.S. Park, and S.R. Schneck, 1985. "Waterfall Reaeration in the Passaic River (NJ)," *Wat. Res. Bull.*, 21:475-480.

REFEREED PUBLICATIONS (continued)

Uchrin, C.G., and W.K. Ahlert, 1985. "In Situ Sediment Oxygen Demand Determinations in the Passaic River (NJ) During the Late Summer/Early Fall 1983," *Water Research*, 19:1141-1144.

Slater, C.S., J.M. Zielinski, R.G. Wendel, and C.G. Uchrin, 1985. "Modeling of Small Scale Reverse Osmosis Systems," *Desalination*, 52:267-284.

Uchrin, C.G., and G. Mangels, 1985. "Sorption Characteristics of Aldicarb to New Jersey Coastal Plain Aquifer Solids," *Bull. New Jersey Acad. Sci.*, 30:71-75.

Uchrin, C.G., and J. Katz, 1986. "Modelling the Adsorption/Desorption of Hazardous and Toxic Substances in Groundwater Systems," *Current Practices in Environmental Science and Engineering*, 2:25-35.

Uchrin, C.G., and G. Mangels, 1986. "Chloroform Sorption to New Jersey Coastal Plain Aquifer Solids," presented at the SETAC symposium, "Hazardous Wastes," New Brunswick, NJ, 11-12 April 1985, publ. in *Environ. Toxicol. Chem.*, 5:339-343.

Uchrin, C.G., and T.E. Lewis, 1986. "A BASIC Encoded Model for Flow-Through Fixed-Bed Adsorber and One Dimensional Ground Water Systems," *J. Environ. Sci. Health*, 21:267-279.

Uchrin, C.G., and J. Katz, 1986. "Sorption Kinetics of Competing Organic Substances on New Jersey Coastal Plain Aquifer Solids," *Hazardous Indust. Solid Waste Test Disp., ASTM*, 6:140-150.

Uchrin, C.G., J. Katz, G. Mangels, and J.V. Hunter, 1986. "A Characterization of the Sorption of Toxic and Hazardous Organic Substances to Ground Water Aquifer Solids," presented at the "Fifth International Conference on Chemistry for the Protection of the Environment," Leuven, Belgium, Sept., 1985, published in *Studies in Environmental Science*, Elsevier, Amsterdam, 29:663-676.

Uchrin, C.G., S.S. Park, and K.F. Najjar, 1987. "Development of Water Quality Models for Lakes Bay," *Proc. Monitoring, Modeling and Mediating Water Quality*, AWRA, Syracuse, May, 1987, pp 559-569.

Uchrin, C.G., and G. Mangels, 1987. "Sorption Equilibria of Benzene and Toluene on Two New Jersey Coastal Plain Aquifer Solids," *J. Environ. Sci. Health*, A22:743-758.

Slater, C.S., R.C. Ahlert, and C.G. Uchrin, 1987. "Reverse Osmosis Processes for the Renovation and Reuse of Hazardous Industrial Wastewaters," *Current Practices in Environmental Science and Engineering*, 3:1-13.

Uchrin, C.G. and T.E. Lewis, 1988. "A BASIC Encoded Model for One Dimensional Ground Water Systems Incorporating First-Order Degradation Kinetics," *J. Environ. Sci. Health*, A23:469-482.

Uchrin, C.G., W.K. Ahlert, A.P. Cryan, J.V. Giga, S.F. Hsueh, T.R. Jenq, T.E. Lewis, S.S. Park, and B. Stahl, 1988. "Dissolved Oxygen Dynamics in the mid-Passaic River: Late Summer/Early Fall 1983-4 Field Studies," *J. Environ. Sci. Health*, 23A:525-542.

Reduker, S., C.G. Uchrin, and G. Winnett, 1988. "The Characterization of the Sorption of Chlorothalonil and Azinphos-Methyl to a Soil from a Commercial Cranberry Bog," *Bull. Environ. Contam. Toxicol.*, 41:633-641.

Park, S.S., and C.G. Uchrin, 1988. "A Numerical Mixing Zone Model for Water Quality Assessment in Natural Streams: Conceptual Development," *Ecological Modelling*, 42:233-244.

Christopher G. Uchrin

Curriculum Vitae pg. 12

REFEREED PUBLICATIONS (continued)

Uchrin, C.G. and T.E. Lewis, 1988. "Modeling Sorption and Degradation of Toxic and Hazardous Substances in Ground Water Systems," presented at the 6th International Conference Chemistry for the Protection of the Environment, Torino, Italy, Sept., 1987, publ. in *Studies in Environmental Science*, Elsevier, Amsterdam, 34:153-167.

Stahl, B. and C.G. Uchrin, 1989. "Dissolved Oxygen Dynamics in the Mid-Passaic River: Mathematical Model," *J. Environ. Sci. Health*, 24A:175-193.

Vaccari, D.A., and C.G. Uchrin, 1989. "Modeling and Simulation of Compressive Gravity Thickening," *J. Environ. Sci. Health*, 24A:645-674.

Parrish, C.S. and C.G. Uchrin, 1990. "Runoff-Induced Metals in Lakes Bay, New Jersey," presented at the 3rd Ann. Symposium, Hudson-Delaware Regional Chapter, SETAC, "Hazard Assessment: Integration of Human Health and Environmental Issues," New Brunswick, May, 1987, published in *Environ. Toxicol. Chem.*, 9:559-567.

Park, S.S. and C.G. Uchrin, 1990. "Water Quality Modelling of the Lower South Branch of the Raritan River, New Jersey," presented at the 39th Annual AIBS Meeting, "Biological Diversity," Univ. Cal.-Davis, Aug., 1988, published in *Bull. New Jersey Acad. Sci.*, 35:17-23.

Park, S.S. and C.G. Uchrin, 1990. "Water Quality Modeling Study of the Matchaponix Brook (NJ, USA): Application of QUAL2E Model," *Kor. J. Lim.*, 23:85-98.

Park, S.S. and C.G. Uchrin, 1990. "Water Quality Modeling Study of the Matchaponix Brook (NJ, USA): Waste Load Allocation Analysis," *Kor. J. Lim.*, 23:99-113.

Ahlert, W.K., and C.G. Uchrin, 1990. "Rapid and Secondary Sorption of Benzene and Toluene by Two Aquifer Solids," *J. Hazardous Materials*, 23:317-330.

Winnett, G., P. Marucci, S. Reduker, C.G. Uchrin, 1990. "The Fate of Chlorothalonil in Commercial Cranberry Culture," *J. Environ. Sci. Health.*, A25:587-595.

Winnett, G., P. Marucci, S. Reduker, C.G. Uchrin, 1990. "Fate of Parathion in Commercial Cranberry Culture in the New Jersey Pinelands," *Bull. Environ. Contam. Toxicol.*, 45:382-388.

Giga, J.V., and C.G. Uchrin, 1990. "Laboratory and In Situ Sediment Oxygen Demand Determinations for a Passaic River (NJ) Case Study," *J. Environ. Sci. Health*, A25:833-845.

Uchrin, C.G., and J. Katz, 1991. "Transport of a BTX Mixture in a Groundwater Aquifer Material," *Bull. Environ. Contam. Toxicol.*, 46:534-541.

Tell, J.G., and C.G. Uchrin, 1991. "The Relative Contributions of Soil Humic Acid, and Humin to the Adsorption of Toluene onto an Aquifer Material," *Bull. Environ. Contam. Toxicol.*, 47:547-554.

Wartenberg, D., C.G. Uchrin and P. Coogan, 1991. "Estimating Exposure Using Kriging: A Simulation Study," presented at the Third Annual Meeting of the International Society for Environmental Epidemiology, Berkeley, CA, Aug., 1990, published in *Environ. Health Perspectives*, 94:75-82.

REFEREED PUBLICATIONS (continued)

Uchrin, C.G., T. Maldonado, Y.H. Pang, and R. Yu, 1991. "Stormwater Contamination in an Urbanizing Watershed," presented at the 7th International Conference Chemistry for the Protection of the Environment, Lublin, Poland, Sept. 1989, published in *Environmental Science Research*, 42:291-304.

Uchrin, C.G., K. Haus, J. Katz, and T. Sabatino, 1992. "Physical and Mathematical Simulation of Gasoline Component Migration in Ground Water Systems," presented at the Workshop on General Population Exposures to Gasoline, Annapolis, MD, Dec. 1990, published in *J. Exposure Anal. Environ. Epidemiol.*, 2:117-131.

Parkerton, T.F., J.P. Connolly, R.V. Thomann, D.M. DiToro, and C.G. Uchrin, 1993. "Do Aquatic Effects or Human Health Endpoints Govern Sediment Quality Criteria for Non-Ionic Organic Chemicals?," *Environ. Toxicol. Chem.*, 12:507-523.

Uchrin, C.G., B.C. Williams, K. Haus, and J.G. Tell, 1993. "Laboratory Studies Investigating Contaminant Removal from Surface and Groundwater Soils at a CERCLA Site," *J. Environ. Sci. Health*, A28:539-562.

Van Orden, G.N., and C.G. Uchrin, 1993. "The Study of Dissolved Oxygen Dynamics in the Whippany River, New Jersey Using the QUAL2E Model," *Ecological Modelling*, 70:1-17.

Van Orden, G.N., and C.G. Uchrin, 1993. "Dissolved Oxygen Dynamics in the Whippany River, New Jersey: Deterministic/Stochastic Time Variable Model," *Ecological Modelling*, 70:19-34.

Fischer, D., and C.G. Uchrin, 1994. "A Prototype Laboratory Model to Predict TCE Contamination of Residence Basements from Polluted Ground Water," *J. Environ. Sci. Health*, A29:1565-1576.

Maldonado, T.J., and C.G. Uchrin, 1994. "Petroleum Hydrocarbons in Detention Basin Sediments," *J. Environ. Engrg., ASCE*, 120:683-690.

Najjar, K.F., S.S. Park and C.G. Uchrin, 1995. "A Water Quality Management Model for the Lakes Bay Estuarine Embayment 1: Receiving Water Quality Model," *J. Environ. Sci. Health*, A30:1001-1023.

Park, S.S., K.F. Najjar and C.G. Uchrin, 1995. "A Water Quality Management Model for the Lakes Bay Estuarine Embayment 2: Hydrodynamic Tidal Model," *J. Environ. Sci. Health*, A30:1025-1038.

Wojtenko, I., K. Koshy, and C.G. Uchrin, 1996. "Long Term Sorption Studies of Benzene and Toluene onto Soils," *Bull. Environ. Contam. Toxicol.*, 57:292-299.

Fischer, D., and C.G. Uchrin, 1996. "Laboratory Simulation of VOC Entry into Residence Basements from Soil Gas," *Environ. Sci. Technol.*, 30:2598-2603

Park, S.S., and C.G. Uchrin, 1996. "Waste Load Allocation for a Macrophyte Growing Impoundment: A Combined Modeling Approach," *J. Environ. Sci. Health*, A31:411-428.

Park, S.S., and C.G. Uchrin, 1997. "A Stoichiometric Model for Water Quality Interactions in Macrophyte Dominated Water Bodies," *Ecological Modelling*, 96:165-174.

Shaffer, K.L., and C.G. Uchrin, 1997. "Uptake of Methyl Tertiary Butyl Ether (MTBE) by Groundwater Solids", *Bull. Environ. Contam. Toxicol.*, 59:744-749.

Christopher G. Uchrin

Curriculum Vitae pg. 14

REFEREED PUBLICATIONS (continued)

Bartone, D. M., and C.G. Uchrin, 1999. "Comparison of Pollutant Removal Efficiency for Two Residential Storm Water Basins", *J. Environ. Engrg., ASCE*, 125:674-677.

Shirinian-Orlando, A.A., and C.G. Uchrin, 2000. "A Method for Determining Salt Sources in Surface Waters", *J. Amer. Wat. Resources Assoc.*, 36:749-757.

Hunter, J.G., and C.G. Uchrin, 2000. "Adsorption of Phthalate Esters on Soil at Near Saturation Conditions", *J. Environ. Sci. Health*, A35:1503-1515.

Lefkowitz, D., M. Zambrowski, and C.G. Uchrin, 2002. "Development of a Method for Extraction of Methyl tert-Butyl Ether (MTBE) from Soil Samples", *J. Environ. Sci. Health*, A37:17-27.

Park, S.S., J.W. Park, C.G. Uchrin, and M.A. Cheney, 2002. "A Micelle Inhibition Model for the Availability of PAHs in Aquatic Systems," *Environ. Toxicol. Chem.*, 21:2737-2741.

An, K.G., Ahn, K.H., Park, S.S., and C.G. Uchrin, 2003. "Dynamics of Nitrogen, Phosphorus, Algal Biomass, and Suspended Solids in an Artificial Lentic Ecosystem and Significant Implications of Regional Hydrology on Trophic Status," *J. Environ. Biology*, 24(1):29-38

Park, S.S., Y. Na, and C.G. Uchrin, 2003. "An Oxygen Equivalent Model for Water Quality Dynamics in a Macrophyte Dominated River," *Ecological Modelling*, 168:1-12.

Vyas, V.M., S.N. Tong, C. Uchrin, P.G. Georgopoulos, and G.P. Carter 2004. "Geostatistical Estimation of Horizontal Hydraulic Conductivity for the Kirkwood- Cohansey Aquifer," *J. Amer. Wat. Resources Assoc.*, 40:187-195.

Mun, Y., and C.G. Uchrin, 2004. "Development and Application of a MODFLOW Preprocessor Using Percolation Theory for Fractured Media," *J. Amer. Wat. Resources Assoc.*, 40:229-239.

Uchrin, C.G., J.G. Hunter, S.S. Park, and T.M. Vadas, 2005. "In-situ Measurement of Macrophyte Photosynthesis and Respiration in Shallow Lakes," *J. Environ. Engrg., ASCE.*, 131:315-319.

Otubu, J.E., J.V. Hunter, K.L. Francisco, and C.G. Uchrin, 2006. "Temperature Effects on Tubificid Worms and Their Relation to Sediment Oxygen Demand," *J. Environ. Sci. Health*, A41:1607-1613.

Shirinian-Orlando, A.A., and C.G. Uchrin, 2007. "Modeling the Hydrology and Water Quality Using BASINS/HSPF for the Upper Maurice River Watershed, New Jersey," *J. Environ. Sci. Health*, A42:289-303.

Mun, Y., G.P. Carter, C.G. Uchrin, S. Yoon, P. Georgopoulos, and V. Vyas, *in review*. "Geostatistical Estimation of Specific Capacity in Newark Basin," submitted to *J. Amer. Wat. Resources Assoc.*

BOOKS EDITED

Chemistry for the Protection of the Environment 2 (L. Pawlowski, W.J. Lacy, C.G. Uchrin, and M.R. Dudzinska, Eds.). Plenum Publishing Company, New York, NY, 1996, 448 pp.

BOOK CHAPTERS

Weber, W.J., Jr., J.D. Sherrill, M. Pirbazari, C.G. Uchrin, and T.Y. Lo, 1980. "Transport and Differential Accumulation of Toxic Substances in River-Harbor-Lake Systems," presented at the 176th National Meeting, ACS, Miami Beach, FL, Sept., 1978, published as Chapter 15 in *Dynamics, Exposure and Hazard Assessment of Toxic Chemicals* (ed. R. A. Haque), Ann Arbor Science, pp. 191-213.

Uchrin, C.G., and W.J. Weber, Jr., 1980. "Modeling of Transport Processes for Suspended Solids in River-Harbor-Lake Systems," presented at the "Symposium on Processes Involving Contaminants and Sediments," Modeling Section, Division of Environmental Chemistry, ACS, Honolulu, Hawaii, April, 1979, published as Chapter 19 in *Contaminants and Sediments: Vol. 1 - Transport, Fate, and Case Studies* (R. A. Baker, ed.), Ann Arbor Science, pp. 407-425.

Uchrin, C.G., 1983. "Removal of Particulate Matter by Filtration," Chapter 6 in *Chemistry of Water Treatment* (S.D. Faust and O.M. Aly, auth.), Ann Arbor Science, pp. 369-396.

Uchrin, C.G., 1986. "Sorption Kinetics and Equilibria of Organic Chemicals to Soils," Presented at the "Second Annual Groundwater Technology Meeting," CUNY, September, 1986, published as Chapter 9 in *Groundwater Hydrology, Contamination, and Remediation* (R. Khanbilvardi and J. Fillos, Eds.), Scientific Publications Co., Washington, D.C., pp. 323-338.

Ahlert, W.K., J. Katz and C.G. Uchrin, 1987. "On the Validity of Partition Coefficients." Presented at the "Third Annual Groundwater Technology Meeting," CUNY, September, 1987, published as Chapter 9 in *Pollution, Risk Assessment, and Remediation in Groundwater Systems* (R.M. Khanbilvardi and J. Fillos, Eds.), Scientific Publications Co., Washington, D.C., pp. 295-320.

Uchrin, C.G., K. Koshy, and I. Wojtenko, 1996. "Sorption of Benzene, Toluene, and meta-Xylene to Contaminated Site Soils," presented at the "8th International Conference Chemistry for the Protection of the Environment," Lublin, Poland, Sept. 1995, published as Chapter 33 in *Chemistry for the Protection of the Environment 2* (L. Pawlowski, W.J. Lacy, C.G. Uchrin, and M.R. Dudzinska, eds.), Plenum Press, New York, pp 303-309.

Uchrin, C.G., and S.S. Park, 2004. "Municipal landfills. A case study: Remediation and Reclamation of Nanji Island", Chapter VI.4 in *Solid Waste: Assessment, Monitoring and Remediation* (I. Twardowska, H.E. Allen, A.A.F. Kettrup and W.J. Lacy, Eds.), Elsevier, Amsterdam, pp 807-813.

REFEREED DISCUSSIONS

Uchrin, C.G., 1982. Discussion of "Storm Related Dilution of Conductance in Three Hydrologically Different Water Bodies," by V.A. Ferro, *Wat. Res. Bull.*, 18:1061.

Uchrin, C.G., 1983. Discussion of "Dispersion in Mountainous Natural Streams," by H. Bajraktarevic-Dobran, *J. Environ. Engrg., ASCE*, 109:969-970.

BOOK REVIEWS

Uchrin, C.G., 1986. *Groundwater Quality*, by C.H. Ward, W. Giger, and P.L. McCarty, *Soil Science*, 142:375-376.

Uchrin, C.G., 1988. *Ground Water Quality Protection*, by L.W. Canter, R.C. Knox, and D.M. Fairchild, *Water Resources Bulletin*, 24:902-903.

Uchrin, C.G., 1988. *Fundamentals of Ecological Modelling*, by S.E. Jorgensen, *Water Resources Bulletin*, 24:1352.

Uchrin, C.G., 1994. *Indirect Methods for Estimating the Hydraulic Properties of Unsaturated Soils*, by R. van Genuchten, F.J. Leij and L.J. Lund, *Soil Science*, 157:398.

Uchrin, C.G., 1996. *Soil and Groundwater Pollution*, A.J.B. Zehnder (Ed.), *Soil Science*, 161:725-726.

NONREFEREED PAPERS

Uchrin, C.G., and W.J. Weber, Jr., 1980. "Modeling Suspended Solids and Associated Bacteria in Natural Water Systems," in Environmental Engineering (W. Saukin, ed.), *Proceedings, 1980 National Conference, ASCE*, New York, NY, pp. 160-166.

Uchrin, C.G., and W.J. Weber, Jr., 1981. "Modeling Stormwater Induced Bacterial Contamination of Belleville Lake (MI)," *Proceedings of the ASCE Specialty Conference, "Water Forum '81,"* San Francisco, CA, Aug., 1981, pp. 944-952.

Jenq, T.R., C.G. Uchrin, M.L. Granstrom, and S.F. Hsueh, 1983. "A Phosphorus Management Model for Lake Carnegie (NJ)," presented at the "Third International Conference on State of the Art in Ecological Modelling," published in *Analysis of Ecological Systems: State-of-the-Art in Ecological Modelling*, (W.K. Lauenroth, G. V. Skogerboe, and M. Flug eds.), Elsevier Scientific Publishing Company, pp. 601-608.

Katz, J., and C.G. Uchrin, 1984. "Sorption Kinetics of Toxic and Hazardous Organic Substances on New Jersey Coastal Plain Aquifer Solids," *Proceedings, Second International Conference on Groundwater Quality Research*, Tulsa, OK, March 26-29, 1984, pp. 44-46.

Uchrin, C.G. and J. Katz, 1985. "Sorption Kinetics of Trichloroethylene to New Jersey Coastal Plain Aquifer Solids," *Proceedings "HazPro85"*, Baltimore, MD, 15-17 May 1985, pp 48-57.

Uchrin, C.G., 1985. "Mathematical Modeling of Ground Water Flow," in *Computer Applications in Water Resources* (H.C. Torno, ed.), *Proceedings 1985 National Specialty Conference, ASCE*, Buffalo, NY, June 10-12, pp. 142-151.

Uchrin, C.G., and J. Katz, 1985. "Modeling Aromatic Compound Transport in Groundwater," in *Environmental Engineering* (J.C. O'Shaughnessy, ed.), *Proceedings, 1985 National Conference on Environmental Engineering, ASCE*, Boston, MA, July, 1985, pp. 136-143.

Uchrin, C.G., and J. Katz, 1985. "Sorption Kinetics of Competing Organic Substances on New Jersey Coastal Plain Aquifer Solids," *Proceedings Third International Symposium on Industrial and Hazardous Waste*, Alexandria, Egypt, 24-27 June, 1985, pp. 351-364.

W.K. Ahlert and C.G. Uchrin, 1986. "Movement of Selected Organic Compounds in Soil Columns," *Proceedings Eighth Annual Symposium on Geotechnical and Geohydrological Aspects of Waste Management*, Colorado State University, Fort Collins, CO, Feb., 1986, pp. 223-232.

Uchrin, C.G., M.G. Heagler, and J. Katz, 1986. "Mixed Solute Interactions in Groundwater Systems," *Proceedings "Water Forum '86," ASCE*, Long Beach, CA, August, 1986, pp. 981-986.

Park, S.S., and C.G. Uchrin, 1986. "Math Modeling of Mixing Zones in River Systems," *Proceedings "Water Forum '86," ASCE*, Long Beach, CA, August, 1986, pp. 1647-1654.

Vaccari, D.A., and C.G. Uchrin, 1990. "Modeling of Batch Thickening of Activated Sludge," *Proceedings 1990 ASCE National Conference on Environmental Engineering*, Washington, DC, July, 1990, pp 117-124.

NONREFEREED PAPERS (continued)

Korfiatis, G.P., N.M. Talimcioglu, C.G. Uchrin, and S. Dengler, 1990. "Model for Evaluation the Impact of Contaminated Soil on Groundwater," *Proceedings of the Air & Waste Management Association Conference, "How Clean is Clean? Cleanup Criteria for Contaminated Soil and Groundwater,"* Boston, Nov., 1990.

Korfiatis, G.P., N.M. Talimcioglu, C.G. Uchrin, and S. Dengler, 1990. "A Model for Development of Soil Cleanup Standards," *Proceedings Aquifer Reclamation and Source Control Conference, NJIT, Woodbridge, NJ, Nov., 1990.*

Gee, J.R., C.G. Uchrin, S.G. Williams, J.M. Griffith, K. Haus, J.M. Katz, T. Maldonato and B. Williams, 1990. "Evaluation and Design of Soil Flushing for Site Remediation," *Proceedings Aquifer Reclamation and Source Control Conference, NJIT, Woodbridge, NJ, Nov., 1990.*

Uchrin, C.G., 1991. "Uncertainty in Modeling," *Proceedings Research Priorities for Water Resources Research in the 1990s* (Ed. J. Ehrenfeld), Rutgers University, New Brunswick, NJ, pp. 126-132.

Uchrin, C.G., and B. Williams, 1991. "Simulation of Contaminant Transport in the Unsaturated Zone," *Proceedings 8th International Conference Chemistry for the Protection of the Environment, Lublin, Poland, Sept. 1991.*

Park, S.S., C.G. Uchrin, Y.S. Lee, B.C. Williams and J.G. Tell, 1992. "Stream Model Application in Waste Load Allocation," *Proceedings of the Sixth International Symposium on River and Lake Environment, Environmental Research Institute, Kangweon National University, Chuncheon, Korea, July, 1992, pp. 339-362.*

Williams, B.C., Uchrin, C.G., and K. Haus, 1993. "Development of Technology Based Cleanup Standards," *Specialty Conference Series Proceedings "Developing Cleanup Standards for Contaminated Soil, Sediment, & Groundwater; How Clean is Clean?,"* Water Environment Federation, Washington, DC, Jan., 1993, pp 39-50.

Haus, K., and C.G. Uchrin, 1993. "Organic Substance Sorption by QAC Modified Clay Soil," *Proceedings 1993 Joint CSCE-ASCE National Conference on Environmental Engineering, Montreal, July, 1993, pp 1081-1088.*

E.F. Vowinkel, R.M. Clawges, and C.G. Uchrin, 1994. "Evaluation of the Vulnerability of Water from Public Survey Wells in New Jersey to Contamination by Pesticides by Use of a Geographic Information System," *Proceedings Fourth National Pesticide Conference, "New Directions in Pesticide Research, Development, Management, and Policy",* Richmond, VA, Nov., 1993, pp 495-510.

Park, B.K., S.S. Park, and C.G. Uchrin, 1995. "A Water Quality Modeling Study for Trophic State Predictions in the Matchaponix Brook-Duhernal Lake System," *Proceedings 6th International Conference on Conservation and Management of Lakes, Vol. 2, Tsukubu, Japan, Oct., 1995, pp 941-944.*

Uchrin, C.G., R Hague, B. Schlegel, A. Gotsch, M.S. Siegler, and M.A. Gallo, Jr., 1996. "Compliance Inspector Training: A Government/University Cooperative Venture," *Proceedings 89th Annual Meeting and Exhibition of the Air and Waste Management Association, Paper No. 96-RP143.04, Nashville, June, 1996.*

Szulczewski, A.J., and C.G. Uchrin, 1996. "What It Takes," *Operations Forum (WEF), 13:20-28.*

NONREFEREED PAPERS (continued)

Lefkowitz, D.K., M. Zambrowski, and C.G. Uchrin, 2000. "Fate and Transport Modeling of Methyl Tert Butyl Ether (MTBE) in Groundwater Systems: Preliminary Findings," *New Jersey EFFLUENTS*, 32:14-18.

Shirinian-Orlando, A.A., and C.G. Uchrin, 2001. "Modeling of Surface Water and Ground Water Interaction on a Watershed Scale Using MODFLOW: Parameter Sensitivity Analysis," *MODFLOW 2001 and Other Modeling Odysseys – Conference Proceedings* (H.S. Seo, E. Poeter, C. Zheng, and O. Poeter, eds.), International Ground Water Modeling Center, Colorado School of Mines and U.S.G.S., pp. 369-375.

Uchrin, C.G., H.C. Ahn, Y. Mun, A. Rowan, and T. Belton, 2002. "A Watershed Mathematical Model for Assessing Septic Impacts to Cranberry Lake, NJ," *Proceedings 34th Mid-Atlantic Industrial and Hazardous Waste Conference* (M.M. Haggblom, K.Y. Lee, and D.E. Fennell, eds.), Rutgers University, pp. 5-14.

Mun, Y., and C.G. Uchrin, 2003. "PMF Package (A Preprocessor to MODFLOW for Fractured Media)," *MODFLOW and More 2003 – Understanding through Modeling - Conference Proceedings* (E. Poeter, C. Zheng, M. Hill and J. Doherty, eds.), International Ground Water Modeling Center, and Colorado School of Mines, pp. 555-559.

Shirinian-Orlando, A., and C.G. Uchrin, 2006. "Modeling the Hydrology and Water Quality of the Upper Maurice River Watershed, New Jersey, Including Recharge to the Underlying Aquifer, Using BASINS/HSPF," *MODFLOW and More 2006 – Managing Ground Water Systems - Conference Proceedings* (E. Poeter, M. Hill and C. Zheng, eds.), International Ground Water Modeling Center, and Colorado School of Mines, pp. 172-176.

UNPUBLISHED CONFERENCE PAPERS AND CHAIRPERSONSHIPS

(presenter underlined)

Uchrin, C.G., "Modeling of Transport Processes for Suspended Solids and Associated Pollutants in River-Harbor-Lake Systems," presented at the Sea Grant Symposium "Toxic Materials and Their Effects on Marine Resources," Madison, Wis., 11-12 July, 1979.

Uchrin, C.G., and N.K. Wiegand, "Modeling Groundwater Quality and Quantity: New Jersey Pine Barrens Case Study," presented at the ASCE National Specialty Conference, "Managing Our Limited Water Resources," Lincoln, Neb., 19-21 May, 1982.

Uchrin, C.G., and A.M. McIntosh, "Watershed and Groundwater Management in New Jersey," Presented at the ASCE National Specialty Conference, "Water Supply - The Management Challenge," Tampa Florida, 14-16 March, 1983.

Uchrin, C.G., "Characterization of the Behavior of Pollutants in Groundwater Systems," presented at the conference, "Management Strategies for Groundwater," Environmental Planners of Cornell, Ithaca, NY, March 3, 1984.

Uchrin, C.G., S.S. Park, W.K. Ahlert, and T.R. Jenq, "The Polluted Passaic: A Water Quality Case Study of an Urbanized Water Supply," Presented at the ASCE National Specialty Conference "Urban Water '84 - A Time for Renewal," Baltimore, Maryland, 29-31 May, 1984.

Uchrin, C.G., and J. Katz, "Modeling the Adsorption/Desorption of Hazardous and Toxic Substances in Ground Water Systems," Presented at the "1984 Summer National Meeting," American Institute of Chemical Engineers, Philadelphia, PA, 19-22 Aug., 1984.

Christopher G. Uchrin

Curriculum Vitae pg. 20

UNPUBLISHED CONFERENCE PAPERS AND CHAIRPERSONSHIPS (continued)
(presenter underlined)

Schuster, P.F. and C.G. Uchrin, "Sulfate Adsorption to New Jersey Pinelands Soils," presented at the Annual Meeting of the N.J. Acad. Sci., Trenton, NJ, 30 Mar. 1985, abstr. in *Bull. New Jersey Acad. Sci.*, 30:48, 1985.

Session Chairman, "Modeling Pollutant Transport in Porous Media," at the conference, "Computer Applications in Water Resources," American Society of Civil Engineers, Buffalo, NY, June 10-12, 1985.

Uchrin, C.G., "Problems and Opportunities in Groundwater Research," presented at the Northeast Regional Meeting, National Association of Conservation Districts, McAfee, NJ, August 13-16, 1985.

Uchrin, C.G., "Modeling Ground Water Pollution," 1985 Fall Lecture Series "Waste Management," American Institute of Chemical Engineers, Nutley, NJ, October, 1985.

Ahlert, W.K., and C.G. Uchrin, "Transport and Fate of Benzene and Phenol in Soil Columns," presented at the Second Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, "New Perspectives in Water Quality," New Brunswick, May, 1986.

Heagler, M.G., and C.G. Uchrin, "Sorption of Chlorobenzene to Three New Jersey Aquifer Solids," presented at the Second Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, "New Perspectives in Water Quality," New Brunswick, May, 1986.

Uchrin, C.G., and M.G. Heagler, "Development of Site Specific Soil/Water Partition Coefficients for Selected Organic Chemicals," presented at the "ASCE Water Resources Planning and Management Division 14th Annual Conference," Kansas City, MO, March, 1987.

Uchrin, C.G., K.F. Najjar, S.S. Park, and C. Parrish, "Great Lakes Bay (NJ) Modeling Study," presented at the "ASCE Water Resources Planning and Management Division 14th Annual Conference," Kansas City, MO, March, 1987.

Session Chairman, "Groundwater Quality Management," at the "ASCE Water Resources Planning and Management Division 14th Annual Conference," Kansas City, MO, March, 1987.

Ahlert, W.K., and C.G. Uchrin, "Sorption and Degradation of Benzene and Phenol in New Jersey Aquifer Solids," presented at the 32nd Annual Meeting, New Jersey Academy of Science, West Long Branch, April, 1987, abstract in *Bull. New Jersey Acad. Sci.* 32:41, 1987.

Katz, J., R.T. Mueller and C.G. Uchrin, "Transport and Fate of a Synthetic Gasoline Mixture in a New Jersey Aquifer Material," presented at the 32nd Annual Meeting, New Jersey Academy of Science, West Long Branch, April, 1987, abstract in *Bull. New Jersey Acad. Sci.* 32:41, 1987.

Session Chairman, "Groundwater: Issues and Problems," at the 32nd Annual Meeting, New Jersey Academy of Science, West Long Branch, April, 1987.

Reduker, S., C. Uchrin and G. Winnett, "Transport of Pesticides in Soil and Groundwater in Commercial Cranberry Culture," presented at the AOAC Spring Training Workshop, Ottawa, April, 1987.

UNPUBLISHED CONFERENCE PAPERS AND CHAIRPERSONSHIPS (continued)
(presenter underlined)

Conference co-Chairman of the Third Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, "Hazard Assessment: Integration of Human Health and Environmental Issues," New Brunswick, May, 1987.

Park, S.S., S.F. Hsueh and C.G. Uchrin, "Allowed Toxic Regions in Aquatic Ecosystems: Numerical Modeling," presented at the Third Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, "Hazard Assessment: Integration of Human Health and Environmental Issues," New Brunswick, May, 1987.

Griffith, J.M., W.K. Ahlert, and C.G. Uchrin, "Sorption Characteristics of Trichloroethylene to Three New Jersey Sandy Soils," presented at the Third Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, "Hazard Assessment: Integration of Human Health and Environmental Issues," New Brunswick, May, 1987.

Hallinger, K.D., C.G. Uchrin, and A.W. McIntosh, "The Bioaccumulation of Heavy Metals from Urban Stormwater Runoff and Sediments by *Mercenaria mercenaria* in Lakes Bay, New Jersey," presented at the Third Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, "Hazard Assessment: Integration of Human Health and Environmental Issues," New Brunswick, May, 1987

Uchrin, C.G., "Sediments and Reaeration Studies," presented at the "Workshop on Water Quality Standards Implementation," NJDEP, Basking Ridge, NJ, Sept., 1987.

Ahlert, W.K., and C.G. Uchrin, "Desorption of Benzene and Phenol from Two New Jersey Aquifer Solids," presented at the 33rd Annual Meeting, New Jersey Academy of Science, Union, NJ, April, 1988, abstract in *Bull. New Jersey Acad. Sci.* 33:36.

Griffith, J.M., and C.G. Uchrin, "The Effect of pH on Sorption Kinetics and Equilibria of Toxic and Hazardous Substances to Ground Water Aquifer Solids," presented at the 33rd Annual Meeting, New Jersey Academy of Science, Union, NJ, April, 1988, abstract in *Bull. New Jersey Acad. Sci.* 33:36.

Haus, K., and C.G. Uchrin, "Sorption Characteristics of Ethylbenzene to Three New Jersey Sandy Soils," presented at the 33rd Annual Meeting, New Jersey Academy of Science, Union, NJ, April, 1988, abstract in *Bull. New Jersey Acad. Sci.* 33:36.

Conference co-Chairman of the Fourth Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, "Groundwater Contamination," New Brunswick, May, 1988.

Williams, B.C., W.K. Ahlert, J.M. Griffith, K. Haus and C.G. Uchrin, "Equilibrium Sorption Studies Examining Benzene and Toluene to Two New Jersey Solids," presented at the Fourth Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, "Groundwater Contamination," New Brunswick, May, 1988.

Uchrin, C.G., "Water Flow and Solute Transport in the Saturated Zone," presented at the Fourth Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, "Groundwater Contamination," New Brunswick, May, 1988.

Ahlert, W.K., and C.G. Uchrin, "Desorption Dynamics of Benzene and Toluene from Sandy Soil Systems," presented at the AIChE 1988 Summer National Meeting, Denver, August, 1988.

Christopher G. Uchrin

Curriculum Vitae pg. 22

UNPUBLISHED CONFERENCE PAPERS AND CHAIRPERSONSHIPS (continued)
(presenter underlined)

Hughes, A.I., C. Lee, M.E. Targia and C.G. Uchrin, "Validation and Calibration of a Terrestrial Model to Study the Environmental Fate and Effects of Chemicals," presented at the Ninth Annual Meeting Society of Environmental Toxicology and Chemistry, Arlington, VA, November, 1988.

Uchrin, C.G., J. Katz, T. Sabatino, and R.T. Mueller, "Transport of Gasoline Components in Groundwater Aquifer Materials: A Pilot Study," presented at the Ninth Annual Meeting Society of Environmental Toxicology and Chemistry, Arlington, VA, November, 1988.

Williams, B.C., and C.G. Uchrin, "The Effects of Organic Matter Content on Partitioning of an Organic Spike in Flow-Through Column Experiments," presented at the Fifth Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, New Brunswick, May, 1989.

Griffith, J.M., and C.G. Uchrin, "The Adsorption of Toluene to Soil Organic Matter Derived from the Cohansy Aquifer Solids," presented at the Fifth Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, New Brunswick, May, 1989.

Haus, K., and C.G. Uchrin, "Effects of Soil Modification by HDTMA on the Mobility of Benzene in Two Aquifer Materials," presented at the Sixth Annual Symposium, Hudson-Delaware Regional Chapter, SETAC, New Brunswick, May, 1990.

Hughes, A.I., and C.G. Uchrin, "Competitive Adsorption of Three Phthalate Esters in a Laboratory Soil Column," presented at the 11th Annual SETAC Meeting, "Global Environmental Issues: Challenge for the 90's," Arlington, VA, November, 1990.

Technical Advisory Board and Session Moderator "Aquifer Remediation", "Aquifer Reclamation and Source Control Conference," NJIT, Woodbridge, NJ, Nov., 1990.

Griffith, J., and C.G. Uchrin, "The Sorption of Non-Ionic Volatile Organic Compounds to Natural Humic Acid," presented at the 36th Annual Meeting, New Jersey Academy of Science, Hoboken, NJ, April, 1991, abstract in *Bull. New Jersey Acad. Sci.* 36:33.

Haus, K., and C.G. Uchrin, "Elution Patterns and Uptake of Benzene in HDTMA Modified Solids and Bentonite Systems," presented at the 36th Annual Meeting, New Jersey Academy of Science, Hoboken, NJ, April, 1991, abstract in *Bull. New Jersey Acad. Sci.* 36:33.

Maldonado, T., and C.G. Uchrin, "The Fate and Movement of Petroleum Hydrocarbons in an Urban Storm Water Basin," presented at the 36th Annual Meeting, New Jersey Academy of Science, Hoboken, NJ, April, 1991, abstract in *Bull. New Jersey Acad. Sci.* 36:33.

Williams, B., and C.G. Uchrin, "Liquid and Vapor Phase Transport of Volatile Organic Compounds in the Vadose Zone, A Laboratory Pilot Study," presented at the 36th Annual Meeting, New Jersey Academy of Science, Hoboken, NJ, April, 1991, abstract in *Bull. New Jersey Acad. Sci.* 36:33.

Panel Discussant, "Characterization and Modeling of In-Situ Bioremediation," at the "Five-Center On-Site Remediation Conference, Hickory Corners, MI, May, 1991.

Uchrin, C.G., "Partition Coefficients: Myth or Reality?", USEPA Seminar Series, Drinking Water/Groundwater Protection Branch, New York, NY, June, 1991.

Christopher G. Uchrin

Curriculum Vitae pg. 23

UNPUBLISHED CONFERENCE PAPERS AND CHAIRPERSONSHIPS (continued)
(presenter underlined)

Hallinger, K.D., C.G. Uchrin, and A.W. McIntosh, "The Bioaccumulation of Heavy Metals from Urban Stormwater Runoff and Sediments by *Mercenaria mercenaria* in Lakes Bay, New Jersey," presented at the 12th Annual Meeting, SETAC, "ENVIRONMENTAL INTERFACES: Scientific and Socioeconomic," Seattle, WA, Nov. 1991.

Uchrin, C.G., "Laboratory Pilot Studies on Contaminant Transport in the Unsaturated Zone," Drexel University Department of Civil and Architectural Engineering Winter 1992 Seminar Series, Philadelphia, PA, February 3, 1992.

Tell, J.G., and C.G. Uchrin, "The Role of Natural Humic Acid in the Transport and Fate of Benzene in Ground Water Systems," presented at the 37th Annual Meeting, New Jersey Academy of Science, Trenton State College, NJ, April, 1992, abstract in *Bull. New Jersey Acad. Sci.* 37:7

Bromke, E., and C.G. Uchrin, "Long-Term Equilibrium Batch Studies," presented at the 37th Annual Meeting, New Jersey Academy of Science, Trenton State College, NJ, April, 1992, abstract in *Bull. New Jersey Acad. Sci.* 37:7.

Maldonato, T., and C.G. Uchrin, "Petroleum Hydrocarbons in Stormwater Runoff Basins: A Study of the Differences Between Influent and Effluent Hydrocarbon Composition," presented at the 37th Annual Meeting, New Jersey Academy of Science, Trenton State College, NJ, April, 1992, abstract in *Bull. New Jersey Acad. Sci.* 37:7.

Williams, B., and C.G. Uchrin, "Examining the Movement of Volatile Organic Contaminants (VOCs) in the Vadose Zone," presented at the 37th Annual Meeting, New Jersey Academy of Science, Trenton State College, NJ, April, 1992, abstract in *Bull. New Jersey Acad. Sci.* 37:7.

Uchrin, C.G., "In-Stream Water Quality Analysis and Intelligent Decision Making", presented at the 77th Annual Conference, NJWPCA, Atlantic City, May, 1992.

Williams, B.C., C.G. Uchrin, N.M. Talimcioglu and G.P. Korfiatis, "Fate and Transport of Toluene in a Vadose Zone Column Apparatus," presented at the Air and Waste Management Association Mid-Atlantic States Section Conference, Atlantic City, September, 1992.

Tell, J.G., and C.G. Uchrin, "The Sorption of Benzene to Humic Acid in Flow-Through Column Studies," presented at the 13th Annual SETAC Meeting, "Environmental Sciences and Resource Management in the 21st Century," Seattle, Nov., 1992.

Parkerton, T.F., J.P. Connolly, and C.G. Uchrin, "Factors Influencing the Dietary Assimilation of Hydrophobic Contaminants: Model Theory and Experimental Results with the Snail, *Physa*", presented at the 14th Annual SETAC Meeting, Houston, Nov., 1993.

Frysiner, S.P., and C.G. Uchrin, "An Environmental Decision Support System for Local Wellhead Protection," Presented at "Decision Support-2001", Toronto, Sept. 1994.

Fischer, D., C.P. Weisel, and C.G. Uchrin, "Contaminated Ground Water as a Source of Trichloroethylene Exposure in Indoor Air," presented at the Joint ISEE/ISEA Conference, Chapel Hill, NC, Sept., 1994.

Fischer, D., and C.G. Uchrin, "A Laboratory Simulation of VOC Migration from Soil into Residence Basements," presented at the 9th Annual Conference on Contaminated Soils, Amherst, MA, Oct., 1994.
Christopher G. Uchrin **Curriculum Vitae pg. 24**

UNPUBLISHED CONFERENCE PAPERS AND CHAIRPERSONSHIPS (continued)
(presenter underlined)

Foster, R.W., and C.G. Uchrin, "Batch and Flow Through Column Studies: Generating Site Specific Soil and Groundwater Cleanup Criteria," presented at the 15th Annual SETAC Meeting, Denver, Nov., 1994.

Koshy, K., and C.G. Uchrin, "Sorption Mechanics of BTX to Saturated Soil Systems," presented at the 40th Annual Meeting, New Jersey Academy of Science, West Orange, April, 1995, abstract published in *Bull. New Jersey Acad. Sci.*, 40:13.

C.G. Uchrin, "Soil Gas Entry into Below Grade Basements as an Exposure Route to Trichloroethylene," presented at the ATSDR International Congress on Hazardous Waste: Impact on Human and Ecological Health, Atlanta, June, 1995.

Fischer, D., H. Liao, and C.G. Uchrin, "TCE Volatilization from Ground Water, "Solutions '95", International Association of Hydrogeologists, Edmonton, Alberta, June, 1995.

Liao, H., D. Fischer, and C.G. Uchrin, "Mathematical Modeling of Pollutant Vapor Intrusion from Contaminated Soil and Ground Water into Basements," presented at "Solutions '95", International Association of Hydrogeologists, Edmonton, Alberta, June, 1995.

Uchrin, C.G., K. Koshy, and I. Wojtenko, "Sorption of BTX Mixtures to Contaminated and Uncontaminated Site Soils," presented at the Second SETAC World Congress, Vancouver, B.C., Nov., 1995.

Hunter, J.V., and C.G. Uchrin, "Oil and Grease: Analysis and Case Study", presented at the NJWEA Technology Transfer Seminar, Tinton Falls, NJ, Nov. 1995.

Uchrin, C.G., D. Fischer, and H. Liao, "Exposure to Volatile Contaminants in Indoor Air via Transport from Ground Water through Soil Gas: Modeling Results," presented at the ASTM Sixth Symposium on Environmental Toxicology and Risk Assessment: Modeling and Risk Assessment, Orlando, April, 1996.

Uchrin, C.G., C.M. Greaney, K. Koshy, and I. Wojtenko, "Estimating Desorption Kinetic Rates from Sequential Batch Experiments", presented at the 17th Annual SETAC Meeting, Washington, D.C., November, 1996.

Hunter, J.G. and C.G. Uchrin, "Transport of Organic Contaminants in the Vadose Zone: Comparison of Loading Characteristics", presented at the 18th Annual SETAC Meeting, San Francisco, November, 1997.

Hunter, J.G. and C.G. Uchrin, "Comparison of Linear and BET Isotherms in Modeling of Subsurface Transport", presented at the 19th Annual SETAC Meeting, Charlotte, November, 1998.

Uchrin, C.G., Y. Mun, A. Rowan, J. Tsai, T. Belton, "A Watershed Mathematical Model for Assessing Surface and Groundwater Nonpoint Source Impacts to an Eutrophic Lake," presented at the 20th Annual SETAC Meeting, Philadelphia, November, 1999.

Lefkowitz, D.K., M. Zambrowski, and C.G. Uchrin, "Fate and Transport Modeling of Methyl tert-Butyl Ether in Groundwater Systems," presented at the 20th Annual SETAC Meeting, Philadelphia, November, 1999.

Christopher G. Uchrin

Curriculum

Vitae pg. 25

UNPUBLISHED CONFERENCE PAPERS AND CHAIRPERSONSHIPS (continued)
(presenter underlined)

Uchrin, C.G., "Water Quality at the Turn of the Millennium: Continuing Problems and Emerging Issues," presented at the New Jersey Institute of Technology, Newark, NJ, Jan., 2000.

Belton, T., C.G. Uchrin, A. Rowan, Y. Mun, and J. Tsai, "A Groundwater to Surface Water Model for Developing Indicators of Eutrophication Associated with Septic systems Surrounding Lakes," presented at the 2nd Annual Meeting, New Jersey Indicators for the Environment and Human Health, New Brunswick, NJ, May, 2000.

Lefkowitz, D.K., M. Zambrowski, and C.G. Uchrin, "Source Area Diffusivity of Methyl tert-Butyl Ether in Groundwater Systems," presented at the 21st Annual SETAC Meeting, Nashville, November, 2000.

Uchrin, C.G., "Development of a Modeling Tool for Septic System Siting on Northern NJ Lakes," seminar presented at the NJDEP Division of Science Research & Technology Watershed Research Seminar Series, Trenton, NJ, March 1, 2001.

Uchrin, C.G., "A Watershed Mathematical Model for Assessing Multimedia Nonpoint Source Septic Impacts to Eutrophic Receiving Waters (Lakes): Year 3," seminar presented at the New Jersey Center for Environmental Indicators, New Brunswick, NJ, April 5, 2001.

Uchrin, C.G., R. Ahn, Y. Mun, A. Rowan, and T. Belton, "A Multi-media Nonpoint Source Model for Septic Impacted Waterbodies," presented at the 22nd Annual SETAC Meeting, Baltimore, November, 2001.

Lefkowitz, D.K., M. Zambrowski, and C.G. Uchrin, "Vapor Diffusion of MTBE in Subsurface Systems," presented at the 22nd Annual SETAC Meeting, Baltimore, November, 2001.

Park, S.S., J.W. Park, C.G. Uchrin, and M.A. Cheney, "A Bioaccumulation Model for the Uptake of PAHs in Micellar Nonionic Surfactant Solutions," presented at the 22nd Annual SETAC Meeting, Baltimore, November, 2001.

Hunter, J.G., K.R. Cooper, P.M. Ward, and C.G. Uchrin, "The Impact of a Paper Horse-bedding Product on Soil: Changes of Soil Physico-chemical Properties," presented at the 22nd Annual SETAC Meeting, Baltimore, November, 2001.

Mun, Y., and C.G. Uchrin. "A Preprocessor for Modeling Nonpoint Sources in Fractured Media Using MODFLOW and MT3DMS," presented at the 2002 Spring Meeting of the AGU, Washington, D.C., May 2002.

Mun, Y., and C.G. Uchrin. "Modeling of Ground Water Flow and Solute Transport in the Watershed of a Fractured Rock System," extended abstract in *Proceedings 34th Mid-Atlantic Industrial and Hazardous Waste Conference* (M.M. Haggblom, K.Y. Lee, and D.E. Fennell, eds.), Rutgers University, pp. 282-284, September 2002.

Rowan, A.T., C.G. Uchrin, H.C. Ahn, and Y. Mun. "Development of the Multiple Model Broker, A Model Integration System," presented at the AWRA 2002 Annual Water Resources Conference, Philadelphia, November, 2002.

Christopher G. Uchrin

Curriculum

Vitae pg. 26

UNPUBLISHED CONFERENCE PAPERS AND CHAIRPERSONSHIPS (continued)
(presenter underlined)

Uchrin, C.G., H.C. Ahn, Y. Mun, and A. Rowan, and T. Belton. "Development of a Modeling Tool for Septic System Siting on Northern NJ Lakes," presented at the DSRT Water Research Seminar, "Nutrients in New Jersey Waters: Too Much of a Good Thing?" New Jersey Department of Environmental Protection Division of Science Research & Technology, Trenton, NJ, December, 2002.

Ahn, H.C., C.G. Uchrin, and G. van Orden. "Controlling Stormwater Runoff Quality from a Low Density Residential Area," presented at the 48th Annual Meeting, New Jersey Academy of Science, Fairleigh Dickinson Univ., Madison, NJ, April, 2003.

Mun, Y., and C.G. Uchrin. "Modeling of Ground Water Flow and Solute Transport in a Fractured Rock System Affected by Nonpoint Sources," presented at the 48th Annual Meeting, New Jersey Academy of Science, Fairleigh Dickinson Univ., Madison, NJ, April, 2003.

Shirinian-Orlando, A., H. Birkhead, F. Minch, and C.G. Uchrin. "A New Approach of Estimating Hydrograph Parameters of a Low-Relief Coastal Watershed Drainage Basin," presented at the AWRA Mid-Atlantic Annual Region Conference, Philadelphia, May 2003.

Uchrin, C.G., J. Cardoni, W. Spronz, S. Tsay, H. Birkhead, C. McGee, and V. DeVasto. "Modeling Rainfall Induced Stormwater Runoff and Pollution in the Upper Maurice River Basin," presented at the AWRA Mid-Atlantic Annual Region Conference, Philadelphia, May 2003.

Mun, Y., and C.G. Uchrin. "Pollutant Transport in Fractured Media Aquifers," presented at Physicochemical Processes in Environmental Systems: A Symposium in Honor of Professor Walter J. Weber, Jr., 226th ACS National Meeting, New York, September 2003.

Mun, Y., and C.G. Uchrin. "Ground Water Flow Modeling in a Layered Sedimentary Fractured Media Aquifer System using MODFLOW with the PMF Package," presented at the AGU 2003 Fall Meeting, San Francisco, December 2003.

Uchrin, C.G., "Modeling Stormwater Quality in the Parkers Creek Watershed," presented to the Monmouth County Planning Board, April 2004.

Kricks, R., R. Hague, and C.G. Uchrin, "Air Toxics and Odor Measurement Within Camden, NJ and a Demonstration of Emission Rate Determination Using OP-FTIR and Path-averaged Summa Canisters at the Camden WWTF," presented to the NJDEP, Trenton, NJ, June 2005.

Uchrin, C.G., and H.C. Ahn, "The Shrewsbury River/Parkers Creek Watershed Basin Characterization," presented to the Monmouth County Planning Board, December 2005.

Uchrin, C.G., "All Models Are Wrong – Some Are Useful, A Discussion of Water Quality Model Uncertainty," presented at the 91st Annual Conference and Exhibition, NJWEA, Atlantic City, May 2006.

Christopher G. Uchirin

Curriculum Vitae pg. 27