

## Jerald L. Schnoor

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### (i) Professional Preparation

Iowa State University	Chemical Engineering	B.S. 1972
University of Texas	Environmental Health Engineering	M.S. 1974
University of Texas	Civil Engineering	Ph.D. 1975
Manhattan College	Environmental Modeling (postdoc)	1976

### (ii) Appointments

2002–present	<b>Allen S. Henry Chair Professor of Engineering</b> , University of Iowa
1990–present	<b>Co-Director</b> , Center for Global and Regional Environmental Research, University of Iowa
1985–1990	<b>Chair</b> , Department of Civil and Environmental Engineering, University of Iowa
1983–present	<b>Professor</b> , Department of Civil and Environmental Engineering, University of Iowa
1980–1983	<b>Associate Professor</b> , Department of Civil and Environmental Engineering, University of Iowa
1977–1980	<b>Assistant Professor</b> , Department of Civil and Environmental Engineering, University of Iowa

### (iii) 5 Publications (selected from 150 journal articles, 6 books, 3 patents, 2 deposits)

- Schnoor, J.L. 1996. *Environmental Modeling: Fate and Transport of Pollutants in Water, Air, and Soil*. New York: Wiley Interscience, 682 pp.
- Van Aken, B., Yoon, J. M., and Schnoor, J.L. “Biodegradation of Nitro-Substituted Explosives TNT, RDX, and HMX by a Phytosymbiotic *Methylobacterium* sp. Associated with Poplar Tissues (*Populus deltoides* x *nigra* DN34).” *Applied and Environmental Microbiology*, 70(1):508-517.
- Boulanger, B., A.M. Peck, J.L. Schnoor, and K.C. Hornbuckle. “Mass Budget of Perfluorooctane Surfactant in Lake Ontario.” *Environmental Science & Technology*, 39(1), 74–79, 2005.
- McCutcheon, S.C., and J.L. Schnoor, Eds. 2003. *Phytoremediation—Transformation and Control of Contaminants*. New York: John Wiley & Sons. 987 pp.
- Schnoor, J. L. “Global Warming: A Consequence of Human Activities Rivaling Earth’s Biogeochemical Processes.” *Human and Ecological Risk Assessment*, 11:1105-1110, 2005.

### (iv) Synergistic Activities

1. Editor-in-Chief, *Environmental Science & Technology*, 2003–present
2. U. S. EPA Science Advisory Board, 2006–present
3. Chair, NRC Colloquium on Biofuels and Water Sustainability, 2007
4. Co-Editor, Wiley Interscience Series of Texts and Monographs in Env Science, 1992-
4. Distinguished lectureships:
  - Edison Distinguished Lecturer, Notre Dame University, 2007
  - U.S. EPA Graduate Research Conference Keynote, 2006
  - Soil Science Society of America Honorary Lecturer, Soils and Environmental Quality, 2004

- Walter J. Weber, Jr. Distinguished Lecturer, U. Michigan, 2004
- Henske Distinguished Lecturer Award, Yale University, 2000
- Sigma Xi Distinguished Lecturer, 1999–2000
- Association of Environmental Engineering Professors Distinguished Lecturer, 1998
- Presidential Lecturer, University of Iowa, 1996

5. Awards:

- Best Paper Award, Human and Ecological Risk Assessment, 2006
- National Academy of Engineering, 1999–present
- Best Theoretical Paper Award, Environmental Water Resources Institute, ASCE, 2004
- Hancher-Finkbine Medallion, University of Iowa, 2000
- Rudolph Hering Medal, American Society of Civil Engineers, 1998
- Distinguished Fellow Award, Iowa Academy of Science, 1996
- Walter L. Huber Research Prize, American Society of Civil Engineers, 1985

**(v) Collaborators & Other Affiliations**

(a) Collaborators:

Pedro Alvarez, Gregory R. Carmichael, Jeremy Rentz, Keri C. Hornbuckle, Bryan Boulanger, Craig Just, Steve McCutcheon, Larry Robertson, Joshua Shrout, Gene Parkin, Melissa Mezzari, Ming-Che Shih, Hsiao-Ping Peng, Jong Moon Yoon, Barbara Minsker, Jami Montgomery, Charles Haas, Richard Hooper, Benoit Van Aken, J. Elliott Campbell, Richard Ney, Drew C. McAvoy, Thanos Papanicolaou, Marian Muste, Larry Weber, Witold Krajewski, Jiyan Liu, Baoliang Chen, Ahmed El-Gendy

(b) Graduate and Postgraduate Advisees:

Eric Aitchison, Bryan Boulanger, Joel G. Burken, Annette Dietz, Africa Espina, Claudia Espinosa, Sumeet Gandhi, Kirk Hatfield, Shan He, Brad Helland, James Jordahl, Roopa Kamath, Sara Kelley, Thorjörn Larssen, Sijin Lee, Louis A. Licht, Malva Mancuso, Drew C. McAvoy, Sara McMillan, Melissa Mezzari, Nikolaos Nikolaidis, Deborah O'Bannon, Kurtis Paterson, Kimberly Precht, Jeremy Rentz, Sanjay Singhvi, Philip L. Thompson, Benoit Van Aken, John Veenstra, Mark Wiesner, Jong Moon Yoon, Bryan Young, Sachiyo Tanaka, J. Elliott Campbell

(c) Graduate and Postgraduate Advisors:

E.Gus Fruh (deceased), Donald J. O'Connor (deceased), Werner Stumm (deceased)