

Slav W. HERMANOWICZ

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EDUCATION

- 1982 **Ph.D.** Environmental Engineering
University of Toronto, Department of Civil Engineering
- 1978 **M.Sc.** Environmental Engineering, *summa cum laude*
Warsaw Technical University,
Department of Sanitary and Hydraulic Engineering

RESEARCH AND TEACHING AREAS

- sustainability metrics
- membrane reactors
- water reuse
- biological activities in aquatic systems
- biofilms in environmental engineering
- self-organization, complex systems
- analysis of full-scale treatment processes
- disinfection and disinfection contactors
- nitrogen control and phosphorus removal

AWARDS

- 111 Program Honorary Visiting Professor - Tongji University, Shanghai, 2013
- Visiting Fellow, Institute for Advanced Study, Technical University of Munich, 2013
- National High-End Foreign Expert of China - 2013
- Minner Faculty Fellow 2012, University of California, Berkeley
- Distinguished Guest Professor 2010 - University of Natural Resources and Applied Life Sciences (BOKU), Vienna
- Distinguished Fulbright Chair in Sustainability, 2008 - University of Natural Resources and Applied Life Sciences (BOKU), Vienna
- Member, Institute of Advanced Studies on Sustainability, European Academy of Sciences and Arts (EASA) Member
- Research Achievements Award, 2006 - SF Bay California Water Environment Association
- Distinguished Visiting Professor, 2005 - Universitat de Girona, Spain
- Gaspar de Portola Scholar, 2000 - Universitat Politècnica de Catalunya, Barcelona, Spain
- Nishihara Distinguished Lecturer, 1998 - Hokkaido University, Sapporo, Japan

SELECTED PROFESSIONAL SERVICE

- Editorial Advisory Board, Open Access in Environmental Studies, Versita - 2012-current
- Editorial Board, Journal of Water Reuse and Desalination, IWA Publishing - 2011-current
- Judge, ImagineH2O Water Venture Technology Competition, 2009-2014
- Chief Water Judge, CleanTech Open, 2006-2008

SELECTED COURSES

- Water and Soil under Pressure - The Basis of our Life and its Future - Alpbach European Forum, August 2011

- Sustainable Development: Ethics, Physics and Technology - graduate course, Universität für Bodenkultur, Vienna, 2008 and 2010
- CE211B Environmental Bioengineering - core graduate course, Berkeley, 2005- 2012
- CE212 Water Quality Engineering - graduate course, Berkeley, 2006 - 2014
- E10 Engineering Design and Analysis - lower division course, Berkeley, 2007- 2012
- CE112 Environmental Design - capstone undergraduate course, Berkeley, 1995- 2011
- CE215 Environmental Process Laboratory - graduate course, Berkeley, 1987 - 2007
- E101 Fractals, Chaos and Complexity - upper division course, Berkeley, 2000 - 2004

PROFESSIONAL EXPERIENCE

- since 1983 **University of California, Berkeley**
Department of Civil and Environmental Engineering
currently Professor of Environmental Engineering
- 1982 - 1983 **Warsaw Technical University**
Institute of Water Supply and Hydraulic Constructions
Senior Research Associate and Instructor
- 1979 - 1982 **University of Toronto**
Department of Civil Engineering
Ph.D. Candidate in Environmental Engineering Program
- 1978 - 1979 **Warsaw Technical University**
Institute of Water Supply and Hydraulic Constructions
Research Associate and Instructor

Most cited publications (as of March 2014):

Ng, H.Y., Hermanowicz, S.W. (2005). Membrane Bioreactor Operation at Short Solids Retention Times: Performance and Biomass Characteristics. *Water Research*, **39**(6), 981-992.

Times Cited: 87 (10.3 citations/yr)

Trussell, R.S., Merlo, R.P., Hermanowicz, S.W., Jenkins, D. (2006). The Effect of Organic Loading on Process Performance and Membrane Fouling in a Submerged Membrane Bioreactor Treating Municipal Wastewater. *Water Research*, **40**(14), 2675-2683.

Times Cited: 85 (11.3 citations/yr)

Trussell, R.S., Merlo, R.P., Hermanowicz, S.W., Jenkins, D. (2007). Influence of mixed liquor properties and aeration intensity on membrane fouling in a submerged membrane bioreactor at high mixed liquor suspended solids concentrations. *Water Research*, **41**(5), 947-958.

Times Cited: 50 (7.7 citations/yr)

Duan, L.; Moreno-Andrade, I.; Huang, C-L.; Xia, S.; Hermanowicz, S.W. (2009). Effect of Solids Retention Time on Microbial Community in a Membrane Bioreactor. *Bioresource Technology*, **100**, 3489-3496

Times Cited: 30 (6.6 citations/yr)

Hermanowicz, S.W., Ganczarczyk, J.J. (1983). Some Fluidization Characteristics of Biological Beds. *Biotechnology and Bioengineering*, **25**(5), 1321-1330.

Times Cited: 53