

Curriculum Vitae for James R. Mihelcic

University of South Florida

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Professional Preparation

PhD Civil Engineering, Carnegie Mellon University, 1988
MS Civil Engineering, Carnegie Mellon University, 1985
BS Environmental Engineering, Pennsylvania State University, 1981
EIT Certificate, Pennsylvania

Honors & Notable Appointments and Service

2009 Honorary Fellow of Institute of Green Professionals
2008 Board Certified Member of the American Academy of Environmental Engineers
2008 Best Paper Award, Environmental Engineering Division, American Society for
Engineering Education
2008 Environmental Engineering Faculty Award, Society for Environmental Engineering,
Michigan Technological University
2007-2010 U.S. Environmental Protection Agency Science Advisory Board Environmental
Engineering Committee
2007-2008 President, Association of Environmental Engineering & Science Professors
2006-2007 President Elect, Association of Environmental Engineering & Science Professors
2005-2006, Vice President, Association of Environmental Engineering & Science Professors
2004-2008 Board of Directors, Association of Environmental Engineering & Science Professors
2006 Environmental Engineering Faculty Award, Society for Environmental Engineering,
Michigan Technological University
2003 Visiting Erskine Fellow, University of Canterbury, Christchurch, New Zealand
2002 Association of Environmental Engineering & Science Professors-Wiley Interscience
Award for Outstanding Contributions to Environmental Engineering & Science Education
1998 Howard E. Hill Outstanding Faculty of the Year Award
1991 Finalist for the Michigan Tech Distinguished Teaching Award
1991 National Science Foundation Research Initiation Award
1988 Engineering Science-Association of Environmental Engineering & Science Professors
Doctoral Thesis Award
1988 American Association for the Advancement of Science-U.S. Environmental Protection
Agency Environmental Science and Engineering Fellow
1986 Graduate Student Award in Environmental Chemistry, American Chemical Society,
Division of Environmental Chemistry
1980 Elected to Chi Epsilon, Civil Engineering Honor Society

Employment

Professor (8/08-present) Department of Civil and Environmental Engineering,
State of Florida 21st Century World Class Scholar University of South Florida
Director (8/08-present) Master's International Program, University of South Florida
Courtesy Faculty Associate (12/08-present), Center for Urban Transportation Research
(CUTR), University of South Florida, Patel Associate (5/2009-present), Patel Center for
Global Solutions, Courtesy Faculty Associate School of Public Health (8/09-present),
Professor (9/00-8/08) Department of Civil and Environmental Engineering, Michigan Tech
Director (97-present) Master's International (U.S. Peace Corps) Program, Michigan Tech
Co-Director (5/2003-5/2007) Sustainable Futures Institute, Michigan Tech
Executive Board (7/07-present) D80 Center for Engineering Development for Humanity
Adjunct Doctoral Faculty (9/1/04 -8/30/09) Southern University and A&M College
Associate Professor (9/95-9/00) Department of Civil and Environmental Engrg., Michigan Tech
Assistant Professor, (9/89-9/95) Department of Civil and Environmental Engrg., Michigan Tech
Environmental Engineer (9/88-9/89) Solid and Hazardous Waste Engineering Division,
ABB Environmental, Inc., Portland, ME
AAAS/EPA Engineering Fellow, (6/88-9/88) Office of Underground Storage Tanks,
US Environmental Protection Agency, Washington, DC
Research Assistant, (9/83-5/88) Department of Civil Engineering, Carnegie Mellon University
Supervising Engineering, (7/81-6/83) Water, Wastewater, and Utilities, LTV Steel Corporation

Professional Affiliations & Relevant Service

Association of Environmental Engineering & Science Professors
Chair (Nominations Committee), *past member and chair* of Student Services Committee,
past member of Publications Committee, *past member of Board of Directors* and *past*
President. Lead author of white paper titled "AEESP and Global Sustainable
Development: Achieving the Millennium Development Goals"
Organized and lead workshop on AEESP Education and Research Conference
Workshop: *Implementing an International Sustainable Development Initiative* (July 29, 2007)
American Society of Engineering Education
American Academy of Environmental Engineers
Florida Water Environment Association (*past member*, MWEA Student Activities Committee)
Water Environment Federation

WateReuse Foundation Project Advisory Committee (10/06-present)
Low-Cost Treatment Technologies for Small-Scale Water Reclamation Plants
Water Environment Federation (10/09) Co-Directing workshop titled "Managing Wastewater as
a Renewable Resource: A Socio-Technological Framework and Assessment Technique,"
WEFTEC, Orlando, Florida.
Guest Editor, *Environmental Science & Technology* Special Issue on "World's Water" (2008)
Contributor: UNESCO Report, *Engineering: Issues and Challenges for Development*

Past Member of Editorial Board, *Chemosphere*

Teaching & Research Interests

Green engineering and sustainability; impact of global change (i.e., climate, population, urbanization, land use) on water scarcity and accessibility; water, sanitation, and hygiene in the developing world; chemical/biological transformation and treatment of pollutants in natural and engineered systems; engineering education reform.

Approximately one half of Dr. Mihelcic's 90+ graduate students have been female (4 of his 5 current doctoral students are female), he has advised many underrepresented minority M.S. and Ph.D. students (including 1 Native American doctoral engineering graduate who is now employed as a faculty member), and he is currently an Adjunct Graduate Faculty at Southern University and A&M College (Baton Rouge, Louisiana).

Recent Teaching Experience

CGN6933 Sustainable Development Engineering

CGN 6933 Environmental Research Interdisciplinary Colloquium

ENV 4001 Environmental Engineering

Textbooks

1. Mihelcic, J.R., E.A. Myre, L.M. Fry, L.D. Phillips, B.D. Barkdoll. *Field Guide in Environmental Engineering for Development Workers: Water, Sanitation, Indoor Air*, American Society of Civil Engineers (ASCE) Press, Reston, VA, 2009.
2. Mihelcic, J.R., J.B. Zimmerman, *Environmental Engineering: Fundamentals, Sustainability, Design*, John Wiley & Sons, 2010.
3. Mihelcic, J.R. *Fundamentals of Environmental Engineering*, 335 pages, John Wiley & Sons, Inc. New York, 1999.
4. Mihelcic, J.R. *Fundamentos de Ingenieria Ambiental*, 384 pages, Limusa Wiley, Balderas, Mexico, 2001.

Published Software

Biofilter™: Biofilter Model Software, Authors: J.C. Crittenden, H. Hautakangas, H. Li, J.R. Mihelcic, E. Oman, Michigan Technological University, National Center for Clean Industrial and Treatment Technologies Environmental Technologies Design Option Tool, Version 1.1 released, April, 2002. See www.sfi.mtu.edu under "tools and training."

Web-Based Encyclopedia Insert

Mihelcic, J.R. "Sustainable Futures" in *The Encyclopedia of Earth* (<http://www.eoearth.org>). The *Encyclopedia of Earth* seeks to become the world's most authoritative electronic source of information about the environments of Earth and their interactions with society. It is written and governed by scientists, educators, and professionals working in a unique collaborative environment, with oversight from a distinguished International Advisory Board.

UNESCO Report

Contributor to *Engineering: Issues and Challenges for Development*, United Nations Educational, Scientific, and Cultural Organization (UNESCO), Paris, France, 2009.

Journal Articles & Book Chapters

Published or in Press

- 1 Post, J.L. and J.R. Mihelcic "Waste Reduction Strategies for Improved Management of Household Solid Waste in Jamaica," *International Journal of Environment and Waste Management*, in press, 2009.
- 2 Guest, J.S., S.J. Skerlos, J.L. Barnard, M.B. Beck, G.T. Daigger, H. Hilger, S.J. Jackson, K. Karvazy, L. Kelly, L. Macpherson, J.R. Mihelcic, A. Pramanik, L. Raskin, M. C. M. van Loosdrecht, D.I. Yeh, N.G. Love, "A New Planning and Design Paradigm to Achieve Sustainable Resource Recovery from Wastewater," *Environmental Science & Technology*, 43, 6126–6130 2009.
- 3 Wendel, H. E. W., and Mihelcic, J. R. "Evaluating the Social, Economic, and Environmental Drivers of Urban Brownfields Redevelopment in Santa Cruz, Bolivia," *Ecosystems and Sustainable Development VII*, C.A. Brebbia and E. Tiezzi (Eds.), in WIT Transactions on Ecology and the Environment, Vol. 122, 2009.
- 4 Muga, H.E., A. Mukherjee, J.R. Mihelcic, M. J. Kueber, "An Integrated Assessment of Continuously Reinforced and Jointed Plane Concrete Pavements," *Journal of Engineering, Design, and Technology*, 7(1): 81-98, 2009.
- 5 Troschinetz, A.M. and J.R. Mihelcic, "Sustainable Recycling of Municipal Solid Waste in Developing Countries," *Waste Management*, 29(2): 915-923, 2009.
- 6 Cowden, J.R., D.W. Watkins, J.R. Mihelcic, "Stochastic Rainfall Modeling in West Africa: Parsimonious Approaches for Domestic Rainwater Harvesting Assessment," *Journal of Hydrology*, 361(1-2):64-77, 2008.

- 7 Zhang, Q., K. Goldstein, J.R. Mihelcic, "Chapter 8: A Review of Life Cycle Assessment Studies on Renewable Energy from Forest Resources," in *Renewable Energy from Forest Resources in the U.S.*, (Editors: B.D. Solomon and V. Luzadis), Routledge, 2008.
- 8 Wright, H.E., Q. Zhang, J.R. Mihelcic, "Integrating Economic Input-Output Life Cycle Assessment with Risk Assessment for a Screening-Level Analysis," *International Journal of Life Cycle Assessment*, 13(5): 412-420, 2008.
- 9 Muga, H.E., A. Mukherjee, J.R. Mihelcic, "An Integrated Assessment of the Sustainability of Green and Built-up Roofs," *Journal of Green Building*," 3(2):106-127, 2008.
- 10 Zimmerman, J.B., J.R. Mihelcic, J.A. Smith, "Global Stressors on Water Quality and Quantity: Sustainability, Technology Selection, and Governance in a Dynamic World," *Environmental Science & Technology*, 42(4):4247-4254, 2008.
- 11 Fry, L.M., J.R. Mihelcic, D.W. Watkins, "Water and Non-Water-Related Challenges of Achieving Global Sanitation Coverage," *Environmental Science & Technology*, 42(4): 4298 - 4304, 2008.
- 12 Mihelcic, J.R., K.G. Paterson, L.D. Phillips, Q. Zhang, D.W. Watkins, B. Barkdoll, V.J. Fuchs, L.M. Fry, D.R. Hokanson, Educating Engineers in the Sustainable Futures Model with a Global Perspective," *Civil Engineering and Environmental Systems*, 25(4):255-263, 2008.
- 13 Muga, H.E. and J.R. Mihelcic, "Sustainability of Wastewater Treatment Technologies," *Journal of Environmental Management*, 88: 437-447, 2008.
- 14 McConville, J.R., and J.R. Mihelcic, "Adapting Life Cycle Thinking Tools to Evaluate Project Sustainability in International Water and Sanitation Development Work," *Environmental Engineering Science*, 24(7):937-948, 2007.
- 15 Mihelcic, J.R. J.B. Zimmerman, A. Ramaswami, "Integrating Developed and Developing World Knowledge into Global Discussions and Strategies for Sustainability. Part 1: Science and Technology," *Environmental Science & Technology*, 41(10):3415-3421, 2007.
- 16 Ramaswami, R., J.B. Zimmerman, J.R. Mihelcic, "Integrating Developed and Developing World Knowledge into Global Discussions and Strategies for Sustainability. Part 2: Economics and Governance," *Environmental Science & Technology*, 41(10):3422-3430, 2007.
- 17 Mihelcic, J.R., T.D. Eatmon, Jr., R.A. Harris, H.E. Muga, "Engineering Sustainable Construction Materials for the Developing World: A Meta-discipline Approach to Engineering Education," *International Journal of Engineering Education*, 23(6):1116-11125, 2007.

- 18 Hokanson, D.R., J.R. Mihelcic, L.D. Phillips, "Educating Engineers in the Sustainable Futures Model with a Global Perspective: Education, Research & Diversity Initiatives," *International Journal of Engineering Education*, 23(2):254-265, 2007.
- 19 Troschinetz, A.M., J.R. Mihelcic, K.L. Bradof, "Evolving Engineering Education for the 21st Century, Part 2: Developing Sustainability Indicators for a University Campus," *International Journal of Engineering Education*, 23(2):231-241, 2007.
- 20 Hokanson, D. R., Q. Zhang, J. R. Cowden, A. M. Troschinetz, J. R. Mihelcic, and D. M. Johnson, "Challenges to Implementing Drinking Water Technologies in Developing World Countries," *Environmental Engineer: Applied Research and Practice*, Vol. I, Winter, 2007, in *Environmental Engineer*, the Magazine of the American Academy of Environmental Engineers, 43(1):31-38, 2007.
- 21 Ahrens, B.T. and J.R. Mihelcic, "Making Wastewater Construction Projects Sustainable in Urban, Rural, and Peri-Urban Areas," *Journal of Engineering for Sustainable Development: Energy, Environment, Health*, 1(1):13-32, 2006.
- 22 Fry, L, J.R. Mihelcic, D.W. Watkins, Jr., "Improving Public Health by Improving Water Supply: Results from Springbox Projects in Cameroon," *Journal of Engineering for Sustainable Development: Energy, Environment, Health*, 1(1):33-42, 2006.
- 23 Mihelcic, J.R., L.D. Phillips, D.W. Watkins, "Integrating a Global Perspective into Engineering Education & Research: Engineering International Sustainable Development," *Environmental Engineering Science*, 23(3):426-438, 2006.
- 24 Mihelcic, J.R. and D.R. Hokanson, "Educational Solutions: For a more Sustainable Future," in *Environmental Solutions*, Eds: NL Nemerow and FJ Agardy, Elsevier, pg. 25-58, 2005.
- 25 Li, H., D.R. Lueking, J.R. Mihelcic, K. Peterson, "Biogeochemical Analysis of Hydrogen Sulfide Removal by a Lava Rock Packed Biofilter," *Water Environment Research*, 77(2):179-186, 2005.
- 26 Martin, Jr., R.W., C.R. Bailod, J.R. Mihelcic, "Low Temperature Inhibition of the Activated Sludge Process by an Industrial Discharge Containing the Azo Dye Acid Black 1," *Water Research*, 39(1):17-28, 2005.
- 27 Baker, J.R., D. Gamberger, J.R. Mihelcic, A. Sabljic "Evaluation of an Artificial Intelligence Based Model to Estimate Chemical Biodegradability," *Molecules*, 9:989-1004, 2004.
- 28 Martin Jr., R.W., J.R. Mihelcic, J.C. Crittenden, "Design and Performance Characterization Strategy using Modeling for Biofiltration Control of Odorous Hydrogen Sulfide," *Journal of Air & Waste Management Association*, 54:834-844, 2004.

- 29 Mihelcic, J.R. "Educating Tomorrow's Global Engineer through a Unique Partnership with the U.S. Peace Corps," *Woman Engineer*, 30-33, Fall, 2004.
- 30 Mihelcic, J.R., "Educating the Future's Water Professional," *Water Environment Technology*, 16(9):86-92, 2004.
- 31 Mihelcic, J.R., J.C. Crittenden, M.J. Small, D.R. Shonnard, D.R. Hokanson, Q. Zhang, H. Chen, S.A. Sorby, V.U. James, J.W. Sutherland, J.L. Schnoor, "Sustainability Science and Engineering: Emergence of a New Metadiscipline," *Environmental Science & Technology*, 37(23):5314-5324, 2003.
- 32 Orr, B.D., J.R. Mihelcic, T.J. Van Dam, "Engineering Help while Getting a Degree," *IEEE Potentials*, 22(2):32-34, 2003.
- 33 McNally, D.L., J.R. Mihelcic, J.M. Stapleton, "Bioremediation of Contaminated Soil and Groundwater," in *Environmental and Ecological Chemistry*, Edited by Aleksandar Sabljic, in *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the Auspices of the UNESCO, EOLSS Publishers Co, Oxford, UK, 2003.
- 34 Penn, M.R., J. Pauer, J.R. Mihelcic, "Biochemical Oxygen Demand," in *Environmental and Ecological Chemistry*, Edited by Aleksandar Sabljic, in *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the Auspices of the UNESCO, EOLSS Publishers Co, Oxford, UK, 2003.
- 35 Li, H., J.R. Mihelcic, J.C. Crittenden, K.A. Anderson, "Field Measurements and Modeling of a Two-Stage Biofilter that Treats Odorous Sulfur Emissions," *Journal of Environmental Engineering*, 129(8):684-692, 2003.
- 36 Zhang, Q., J.C. Crittenden, D. Shonnard, and J.R. Mihelcic, "Development and Evaluation of an Environmental Multimedia Fate Model CHEMGL for the Great Lakes Region," *Chemosphere*, 50(10):1377-1397, 2003.
- 37 Martin, R.W., H. Li., J.R. Mihelcic, J.C. Crittenden, D.R. Lueking, C.R. Hatch, P. Ball, "Optimization of Biofiltration for Odor Control: Model Verification and Applications," *Water Environment Research*, 74(1):17-27, 2002.
- 38 Li, H., J.C. Crittenden, J.R. Mihelcic, H. Hautakangas, "Optimization of Biofiltration for Odor Control: Model Development and Parameter Sensitivity," *Water Environment Research*, 74(1):5-16, 2002.
- 39 Solomon, B.E. and J.R. Mihelcic, "Standardized Environmental Management Codes & Continuous Environmental Improvements: Insights from the Chemical Industry," *Business*

Strategy & the Environment, 10(4):215-224, 2001.

- 40 Baker, J.R., J.R. Mihelcic, A. Sabljic, "Reliable QSAR for Estimating Koc for Persistent Organic Pollutants: Correlation with Molecular Connectivity Indices," *Chemosphere*, 45(2):213-221, 2001.
- 41 Zhang, Q., J.C. Crittenden, J.R. Mihelcic, "Does Simplifying Transport and Exposure Yield Reliable Results? An Analysis of Four Risk Assessment Methods," *Environmental Science & Technology*, 35(6):1282-1288, 2001.
- 42 McNally, D.L. and J.R. Mihelcic, "Petroleum Hydrocarbon Degradation in Soils: Monitoring Cell Growth as a Measure of Performance," In: *AEESP Environmental Engineering Processes Laboratory Manual* (Eds: S.E. Powers, J. Bisogni, J. Burken, K. Pagilla), Association of Environmental Engineering and Science Professors, Champaign IL, 2001.
- 43 Stapleton, J.M. and J.R. Mihelcic, "Darcy's Law and Hydraulic Conductivity," In: *AEESP Environmental Engineering Processes Laboratory Manual* (Eds: S.E. Powers, J. Bisogni, J. Burken, K. Pagilla), Association of Environmental Engineering and Science Professors, Champaign IL, 2001.
- 44 Baker, J.R., J.R. Mihelcic, E. Shea, "Estimating Koc for Persistent Organic Pollutants: Limitations of Correlations with Kow," *Chemosphere*, 41:813-817, 2000.
- 45 Cusack, C.C. and J.R. Mihelcic, "Copper Toxicity in Sediments of the Torch Lake Great Lakes Area of Concern," *Journal of Great Lakes Research*, 25(4):735-743, 1999.
- 46 McNally, D.L., J.R. Mihelcic, D.R. Lueking, "Biodegradation of Mixtures of Polycyclic Aromatic Hydrocarbons Under Aerobic and Nitrate-Reducing Conditions," *Chemosphere*, 38:1313-1322, 1999.
- 47 Baker, J.R., M.W. Milke, J.R. Mihelcic, "Relationship Between Chemical and Theoretical Oxygen Demand for Specific Classes of Organic Chemicals," *Water Research*, 33(2):327-334, 1999.
- 48 Whitman, B.E., D.R. Lueking, J.R. Mihelcic. "Naphthalene uptake by *Pseudomonas* isolate UPER-1," *Canadian Journal of Microbiology*, 44:1086-1093, 1998.
- 49 McNally, D.L., J.R. Mihelcic, D.R. Lueking, "Biodegradation of 3- and 4-Ring Polycyclic Aromatic Hydrocarbons under Denitrification Conditions," 32(17):2633-2639, *Environmental Science & Technology*, 1998.
- 50 McNally, D.L., J.R. Mihelcic, D.R. Lueking, "Polycyclic Aromatic Hydrocarbon Degrading Microorganisms in Great Lakes' Sediments," *Journal of Great Lakes Research*, 24(2):392-403, 1998.

- 51 Baker, J.R., J.R. Mihelcic, D.C. Luehrs, J.P. Hickey, "Evaluation of Estimation Methods for Organic Carbon Normalized Sorption Coefficients," *Water Environment Research*, 69:136-145, 1997.
- 52 Mihelcic, J.R., A. Pritschow, D.R. Lueking, "Uptake of Dissolved and Oil Phase Organic Chemicals by Bacteria," *Ground Water Monitoring and Remediation*, 15:100-106, 1995.
- 53 Whitman, B.E., J.R. Mihelcic, and D.R. Lueking, "Naphthalene Biosorption in Low and High Sorptive Soil-Water Systems," *Applied Microbiology and Biotechnology*, 43:539-544, 1995.
- 54 Mihelcic, J.R., McNally, D.L., Lueking, D.R., "Effect of Different Surfactant Concentrations on Naphthalene Biodegradation," in *Surfactant-Enhanced Remediation of Subsurface Contamination: Emerging Technologies* (Eds.) DA Sabatini, RC Knox, JH Harwell, American Chemical Society, Washington, DC, pg. 114-123, 1995.
- 55 Stapleton, J.M., J.R. Mihelcic, D.R. Lueking, "Sorption and Desorption Kinetics of Pyrene onto a Great Lakes Sediment," *Journal of Great Lakes Research*, 20(3):561-568, 1994.
- 56 Mihelcic, J.R., D.R. Lueking, R. Mitzel, and J.M. Stapleton, "Bioavailability of Sorbed- and Separate-Phase Organic Chemicals," *Biodegradation*, 4:141-153, 1993.
- 57 Harrington, J.R., J.R. Mihelcic, R.N. Lewis, and T.L. Planensic, "FATE: A Computerized Model for Estimating the Fate and Treatability of Hazardous Pollutants in Publicly Owned Treatment Works," *Water Environment and Technology*, 5(3):49-53, 1993.
- 58 Mihelcic, J.R., C.R. Baillod, J.C. Crittenden, and T.N. Rogers, "Estimation of VOC Emissions from Wastewater Facilities by Volatilization and Stripping," *Journal of the Air and Waste Management Association*, 43(1): 97-105, 1993.
- 59 Baillod, C.R. and J.R. Mihelcic, "Baccalaureate Programs in Environmental Engineering: An American Perspective," *Australasian Journal of Engineering Education*, 4(2):137-149, 1993.
- 60 Mihelcic, J.R. and R.G. Luthy, "Sorption and Microbial Degradation of Naphthalene in Soil-Water Suspensions under Denitrification Conditions," *Environmental Science & Technology*, 25(1): 169-177, 1991.
- 61 Mihelcic, J.R., "Modeling the Potential Effect of Additives on Enhancing the Solubility of Aromatic Solutes Contained in Gasoline," *Ground Water Monitoring and Review*, 10(3): 132-137, 1990.
- 62 Mihelcic, J.R. and R.G. Luthy, "Microbial Degradation of Acenaphthene and Naphthalene Under Denitrification Conditions in Soil-Water Systems," *Applied and*

Environmental Microbiology, 54(5): 1188-1198, 1988.

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64 Mihelcic, J.R. and R.G. Luthy, "Adsorption of Lead and Zinc on Blast Furnace Iron Oxide Solids," *Journal of the Water Pollution Control Federation*, 58(5): 242-249, 1986.

Proceedings & Peer-Review Reports

1. Muga, H.E., J.R. Mihelcic, N. Reents, G. Gemio, S. Morales, "Performance of Lagoon Wastewater Treatment System in Sapecho, Bolivia," *Proceedings of WEFTEC 2009, The 82nd Annual Water Environment Federation Technical Exhibition and Conference*, Orlando, Florida, October 10-14, 2009.

2. Mo, W., Q. Zhang, J.R. Mihelcic, D. Hokanson, "Embodied Energy Model on Water Supply Systems in Great Lakes Region," *Proceedings of WEFTEC 2009, The 82nd Annual Water Environment Federation Technical Exhibition and Conference*, Orlando, Florida, October 10-14, 2009.

3. Trotz, M.A., Muga, H.E., Phillips, L.D., Yeh, D., Stuart, A., Mihelcic, J.R., "Non-traditional University Partners that Facilitate Service Learning, Undergraduate and Graduate Research for Sustainable Development," *Proceedings of the 2009 Annual ASEE Conference & Exposition*, Austin, TX, June 14-17, 2009.

4. Muga, H.E., L.D. Phillips, D. Yeh, D., A. Stuart, J.R. Mihelcic, "Non-traditional University Research Partners that Facilitate Service Learning and Graduate Research for Sustainable Development," *Proceedings 2009 World Environmental & Water Resources Congress*," Kansas City, MO, May 17-21, 2009.

5. Muga, H.E., Mihelcic, J.R., N.W. Reents, Morales, S., Gemio, G., Ballard, M., Fuchs, V.J., Hanson, C.M., Johnson, E.M, Hoyt, A.M., "Treatment Performance of Wastewater Lagoons in South Yungas Province of Bolivia," *Proceedings 2009 World Environmental & Water Resources Congress*," Kansas City, MO, May 17-21, 2009.

6. Ocwieja, S. and J.R. Mihelcic, "Life Cycle Approach for Evaluating Sanitation Projects: Case Study: Biogas Latrine," *Proceedings of 34th WEDC International Conference, Water, Sanitation and Hygiene: Sustainable Development and Multisectoral Approaches*, Addis Ababa, Ethiopia, May 18-22, 2009.

7. Fuchs, V.J., L.M. Fry, J.R. Mihelcic, "Delivering Sustainable Waste Infrastructure in an Urbanizing World," *Proceedings of the Third International Conference on Sustainability Engineering and Science*, Auckland, New Zealand, December 9-12, 2008.

8. Ballard, M.M., V.J. Fuchs, L.M. Fry, H.E. Wright, J.R. Mihelcic and D.W. Watkins, Jr. "Systems Thinking Applied to Industrial Management of Water Resources," *Proceedings of the Global Conference on Sustainable Product Development and Life Cycle Engineering (Sustainability and Remanufacturing VI, SMR VI)*, Busan, Korea, 29 September to October 1, 2008.
9. Zhang, Q., J.B. Zimmerman, J.R. Mihelcic, L.D. Vanasupa, "Civil and Environmental Engineering Education (CEEE) Transformational Change: Tools and Strategies for Sustainability Integration and Assessment in Engineering Education," *Proceedings of the 2008 Annual ASEE Conference & Exposition*, Pittsburgh, PA, June 22-25, 2008.
10. Wright, H.E., L.D. Phillips, S. Janczy-Stankevich, J.R. Mihelcic, "International Senior Design: Assessing the Impact on Engineering Students after Graduation," *Proceedings of the 2008 Annual ASEE Conference & Exposition*, Pittsburgh, PA, June 22-25, 2008.
11. Ballard, M.M., A.R. Clarke, A. Sather-Knutsen, B.D. Barkdoll, J.R. Mihelcic, "Collaborative International Research: Technology Transfer & Efficiency of Wastewater Treatment Systems in Rural Communities of Bolivia," *Proceedings of the 2008 World Environmental & Water Resources Congress*, Honolulu, Hawaii, May, 2008.
12. Fuchs, V.J. and J.R. Mihelcic, "Engineering Education for International Sustainability: Curriculum Design under the Sustainable Futures Model," *Proceedings of the 2007 ASEE North Midwest Sectional Conference*, Houghton, MI, CD ROM, September 20-22, 2007.
13. Fuchs, V.J. J.S. Gierke, J.R. Mihelcic, "Hydraulic Model Comparison of Vertical-Flow Regimes in Constructed Wetlands," *Proceedings of the 80th Annual Water Environment Federation Conference & Exposition*, San Diego, CA, October 13-17, 2007.
14. Zhang, Q., D. Johnson, J.R. Mihelcic, "Interdisciplinary Research for Graduate Education in Sustainability," *Proceedings of the 2007 ASEE North Midwest Sectional Conference*, Houghton, MI, CD ROM, September 20-22, 2007.
15. Haapala, K.R., M.J. Hutchins, J.L. Rivera, V. Kumar, A.R. Clarke, T.D. Eatmon, R.A. Harris, M.H. Durfee, J.R. Mihelcic, D.R. Shonnard, and J.W. Sutherland, "Education, Research, and Training Aspects of the Sustainable Futures NSF IGERT Project," *Proceedings of the 2007 ASEE North Midwest Sectional Conference*, Houghton, MI, CD ROM, September 20-22, 2007.
16. Cowden, J.R., Mihelcic, J.R., and Watkins, D.W. "Climate Change Impact on Rainwater Harvesting and Health in West Africa Urban Slums," *Proceedings 3rd International Conference on Climate and Water*, Helsinki, Finland, September 3-6, 2007.
17. McConville, J.R., and J.R. Mihelcic, "Adapting Life Cycle Thinking Tools to Assess Project Sustainability in International Water Development Work," *Proceedings from Engineering*

Sustainability 2007, Pittsburgh, PA, April 15-18, 2007.

18. Zimmerman, J.B., Mihelcic, J.R., A. Ramaswami, "Integrating Developed and Developing World Knowledge into Global Discussions and Strategies for Sustainability," *Proceedings from Engineering Sustainability 2007*, Pittsburgh, PA, April 15-18, 2007.
19. Mihelcic, J.R., K.G. Paterson, L.D. Phillips, Q. Zhang, D.W. Watkins, B. Barkdoll, V.J. Fuchs, D.R. Hokanson, "Educating Engineers in the Sustainable Futures Model with a Global Perspective," *Proceedings from 2nd International Conference on Sustainability Engineering & Science*, Auckland, New Zealand, February 20-23, 2007.
20. Cowden, J.R, Mihelcic, J.R., & Watkins, D.W. "Stochastic Rainfall Occurrence Modeling in West Africa," *Proceedings 2007 World Environmental & Water Resources Congress*, Tampa, FL, May 14-16, 2007.
21. Cowden, J.R, J.R. Mihelcic, D.W. Watkins "Domestic Rainwater Harvesting Assessment to Improve Water Supply and Health in Africa's Urban Slums," *Proceedings 2006 World Environmental & Water Resources Congress*, Omaha, NE, May 21-25, 2006.
22. K.G. Paterson, D.W. Watkins, J.R. Mihelcic and L.D. Phillips. "International Service Engineering Across Academic Borders," *Proceedings American Society of Engineering Annual Conference & Exposition*, June 18-21, Chicago, IL, 2006.
23. Fuchs, V.J. and J.R. Mihelcic, "Engineering Education for International Sustainability: Curriculum Design under the Sustainable Futures Model," *Proceedings of 5th Annual ASEE Global Colloquium on Engrg Educ.*, Rio de Janeiro, Brazil, October 9-12, 2006.
24. Fry, L.M. and J.R. Mihelcic, "Integrating a Global Perspective into Graduate Engineering Education & Research," *Proceedings of 5th Annual ASEE Global Colloquium on Engrg Educ.*, Rio de Janeiro, Brazil, October 9-12, 2006.
25. Sutherland, J.W. V. Kumar, J.C. Crittenden, M.H. Durfee, J.K. Gershenson, H. Gorman, D.R. Hokanson, N.J. Hutzler, D.J. Michalek, J.R. Mihelcic, D.R. Shonnard, B.D. Solomon, S. Sorby, "An Education Program in Support of a Sustainable Future," *Proceedings of the American Society of Mechanical Engineers (ASME)*, 2003.
26. Crittenden, J.C., J.R. Mihelcic, Q. Zhang, M.J. Small, J. Schnoor, "Sustainability Science: The Case for a New Metadiscipline," *Proceedings of the AEESP/AEE Conference on Education and Research*, Toronto, August 10-14, 2002.
27. Martin Jr. R.W., C.R. Baillod, J.R. Mihelcic, "Nitrification Inhibition at Low Temperature by the Azo Dye Acid Black 1," *Proceedings of the 75th Annual Water Environment Federation Conference & Exposition*, September 28-October 2, 2002.

28. Li, H., J.R. Mihelcic, J.C. Crittenden, K. Anderson, "Application of a Dynamic Biofiltration Model to a Two-Stage Biofilter that treats Hydrogen Sulfide and Organic Sulfur Compounds," *Proceedings of the 75th Annual Water Environment Federation Conference & Exposition*, September 28-October 2, 2002.
29. Hautakangas, H., J.R. Mihelcic, J.C. Crittenden, E.J. Oman, "Optimization and Modeling of Biofiltration for Odor Control," *Proceedings of the 72nd Annual Water Environment Federation Conference & Exposition*, October 10-13, 1999.
30. Baker, J.R. and J.R. Mihelcic, "Development and Evaluation of Models for Predicting Soil/Water Partition Coefficients," *Proceedings of the 67th Annual Water Environment Federation Conference and Exposition*, Water Environment Federation, Volume II, pg 599-610, 1994.
31. Baillod, C.R., J.C. Crittenden, J.R. Mihelcic, T.N. Rogers, and C.P.L. Grady, Jr., *Critical Evaluation of the State of Technologies for Predicting the Transport and Fate of Toxic Compounds in Wastewater Facilities*, 157 pages, Water Environment Federation, Alexandria, VA, 1991.
32. Mihelcic, J.R., C.R. Baillod, T.N. Rogers, J.C. Crittenden, "Models for Estimating Stripping and Volatilization of VOCs from Wastewater," Paper 91-92.7, *Air & Waste Management Association, 84th Annual Meeting & Exposition*, Vancouver, British Columbia, June 16-21, 1991.
33. Mihelcic, J.R. and R.G. Luthy, "The Potential Effects of Sorption Processes on the Microbial Degradation of Hydrophobic Organic Compounds in Soil-Water Suspensions," *Conference on Physicochemical and Biological Detoxification of Hazardous Wastes*, Vol. 2, p. 708-721, Technomic Publishing Company, Inc., Lancaster, PA, 1989.

Presentations & Workshops (since 2003) (speaker/presenter listed in bold)

1. **Fuchs, V.J.** and J.R. Mihelcic, "Sanitation Development Technology and Management: What is the appropriate Sanitation Expansion Path from Latrines," University of Oklahoma International WaTER Conference, Norman, OK October 26 - 27, 2009.
2. **MacCarthy, M.** and J.R. Mihelcic, "Opportunities to Increase Peace Corps' Global Impact in the Water and Sanitation Sector," University of Oklahoma International WaTER Conference, Norman, OK October 26 - 27, 2009.
3. **Muga, H.E.**, J.R. Mihelcic, N. Reents, G. Gemio, Morales, S., "Performance of Lagoon Wastewater Treatment System in Sapecho, Bolivia," *Proceedings of WEFTEC 2009, The 82nd Annual Water Environment Federation Technical Exhibition and Conference*, Orlando, Florida, October 10-14, 2009.
4. Mo, W., **Q. Zhang**, J.R. Mihelcic, D. Hokanson, "Embodied Energy Model on Water

Supply Systems in Great Lakes Region," *Proceedings of WEFTEC 2009, The 82nd Annual Water Environment Federation Technical Exhibition and Conference*, Orlando, Florida, October 10-14, 2009.

5. **Mihelcic, J.R.** (*invited*) "Educating the Engineer of 2020: Environmental and Societal Impact of Engineering Practice," *Purdue College of Engineering Workshop on Engineer of 2020*, September 22, 2009.
6. **Zimmerman, J.B., Q. Zhang, L. Vanasupa, J.R. Mihelcic,** "Integrating Sustainability into Environmental Engineering: Design principles and tools to expand your educative capacity," Workshop at the *Association of Environmental Engineering and Science Professors (AEESP) 2009 Education and Research Conference*, Iowa City, July 26th-29th, 2009.
7. **Fry, L.M., J.R. Mihelcic, D.W. Watkins, N. Reents,** "Assessment of change drivers affecting the sustainability of gravity fed water supply in the Alto Beni watershed of Bolivia," poster presentation, *Association of Environmental Engineering and Science Professors (AEESP) 2009 Education and Research Conference*, Iowa City, July 26th-29th, 2009.
8. Phillips, L.D., D. Magolan, **J.R. Mihelcic,** "Ch-ch-changes: Next Gen Undergraduate and Graduate Education and Research Programs to Meet the Grandest Challenge of All," *Association of Environmental Engineering and Science Professors (AEESP) 2009 Education and Research Conference*, Iowa City, July 26th-29th, 2009.
9. **Mihelcic, J.R.** (*invited*), Global and Local Challenges to Engineering for a Sustainable Futures, International Seminar on Sustainable Infrastructure, Universidad del Valle, Cochabamba, Bolivia, June 9, 2009.
10. **Ocwieja, S.** and J.R. Mihelcic, "Life Cycle Approach for Evaluating Sanitation Projects: Case Study: Biogas Latrine," *34th WEDC International Conference, Water, Sanitation and Hygiene: Sustainable Development and Multisectoral Approaches*, Addis Ababa, Ethiopia, May 18-22, 2009.
11. Trotz, M.A., **Muga, H.E.,** Phillips, L.D., Yeh, D., Stuart, A., Mihelcic, J.R. "Non-traditional University Research Partners that Facilitate Service Learning and Graduate Research for Sustainable Development," poster presented at *2009 World Environmental & Water Resources Congress*," Kansas City, MO, May 17-21, 2009.
12. **Muga, H.E.,** Mihelcic, J.R., N.W. Reents, Morales, S., Ballard, M., Fuchs, V.J., Hanson, C.M., Johnson, E.M, Hoyt, A.M. "Treatment Performance of Wastewater Lagoons in South Yungas Province of Bolivia," *2009 World Environmental & Water Resources Congress*," Kansas City, MO, May 17-21, 2009.
13. **Mihelcic, J.R.** (*invited*) "Education in a Sustainable & Ethical Context," Center for the Science and Religion's Fourth Fetzer Symposium *Common Ground: Science and Religion in Dialogue for a Sustainable Future*, Columbia University, New York, May 3-4, 2009.

14. **Mihelcic, J.R.**, *(invited)* "The Right Thing to Do: Humanitarian and Sustainable Development Engineering," University of Illinois, Champaign-Urbana, April 24, 2009.

15. Trotz, M.A., Omisca, E., **J.R. Mihelcic** *(invited)* "The best option? Drinking water treatment or advances in supply and storage," Session on Evaluation of the Sustainability of Drinking Water Technologies: Application in the Developing World," American Chemical Society 237th National Meeting, March 23-26, Salt Lake City, UT, 2009.

16. **Mihelcic, J.R.** *(invited)* "Sustainability in a Dynamic Global World: Challenges and Opportunities, 2009 International Association for the Exchange of Students for Technical Experience (IAESTE) United States National Conference, Baltimore, MD, February 5-8, 2009.

17. **Mihelcic, J.R.** *(invited)* "Global Water Challenges and Solutions," *8th Annual International Studies Schools Association (ISSA) Meeting*, Tampa, Florida, January 17-19, 2009.

18. **Mihelcic, J.R.** *(invited)* "Water and Sanitation in the World's Cities: Global Challenges in a Dynamic World," *Third International Conference on Sustainability Engineering and Science*, Auckland, New Zealand, December 9-12, 2008.

19. **Fry, L.M.**, J.R. Mihelcic, D.W. Watkins, N. Reents, "Assessment of change drivers affecting the sustainability of gravity fed water supply in the Alto Beni watershed of Bolivia," poster presented at *American Geophysical Union Fall Meeting*, December 15-19, 2008

20. **Fuchs, V.J.**, L.M. Fry, J.R. Mihelcic, "Delivering sustainable waste infrastructure in an urbanizing world," *Third International Conference on Sustainability Engineering and Science*, Auckland, New Zealand, December 9-12, 2008.

21. **Mihelcic, J.R.** *(invited)*, "Developing World Partnerships: Expanding Opportunities for Young Researchers through Community-Based Sustainable Development," *Strategic Initiatives for University Internationalization*, Tokyo, Japan, December 1-7, 2008.

22. **Mihelcic, J.R.** *(invited)* "Designing Water & Sanitation Systems in a Dynamic World," presentation to the Tampa Chapter, Florida Water Environment Association, Ybor City, FL, November 13, 2008.

23. **Mihelcic, J.R.** *(invited)* "Graduate Serving Learning: Partnerships with the U.S. Peace Corps and Developing World Communities," *Eleventh Annual Colloquium on International Engineering Education*, Newport, RI, November 6-9, 2008.

24. Mehl, J., D. J. Kaiser, D. Hurtado, **H.E. Muga**, J.R. Mihelcic, "Pathogen Destruction in Compost Latrines: Technology, Performance, and Impact of Owner Operation," poster presented at *Safe and Sustainable Drinking Water in Developing and Developed Countries: Where*

25. **Ballard, M.M.**, V.J. Fuchs, L.M. Fry, H.E. Wright, J.R. Mihelcic and D.W. Watkins, Jr. "Systems Thinking Applied to Industrial Management of Water Resources," *Global Conference on Sustainable Product Development and Life Cycle Engineering (Sustainability and Remanufacturing VI, SMR VI)*, Busan, Korea, 29 September to October 1, 2008.

26. **Mihelcic, J.R.**, (invited) "The Right Thing to Do: Development of the Master's International Program," *NSF Workshop, Global Education for Engineers: Emergence, Strategies, and the Problem of Scale*," Washington, D.C., September 5-6, 2008.

27. Zhang, Q., **J.B. Zimmerman, J.R. Mihelcic**, L.D. Vanasupa, "Learning Materials and Teaching Strategies for Sustainability Integration in Engineering Education" *NSF CCLI PI Meeting*, Washington, D.C., August 13-14, 2008.

28. **Zhang, Q.**, J.B. Zimmerman, J.R. Mihelcic, L.D. Vanasupa, "Learning Materials and Teaching Strategies for Sustainability Integration in Engineering Education" *12th Annual Green Chemistry and Engineering Conference*, Washington, D.C., June 24-26, 2008.

29. **Mihelcic, J.R.** (invited) "Internationalizing Graduate Engineering Education: A Unique University Partnership with the U.S. Peace Corps and Developing World Communities," *Strategic Initiatives for University Internationalization – Symposium*, Washington, D.C., May 22-23, 2008.

30. **Mayer, A.**, J. Zimmerman, J.R. Mihelcic, S. Olmstead, D. Watkins, Q. Zhang, "Modeling and analyzing the use, efficiency, value, and governance of water in the Great Lakes region through an integrated approach," *Association for Great Lakes Research 51st Annual Conference*, Peterborough, Ontario, May 19-23, 2008.

31. **Zhang, Q.**, J.B. Zimmerman, J.R. Mihelcic, L.D. Vanasupa, "Civil and Environmental Engineering Education (CEEE) Transformational Change: Tools and Strategies for Sustainability Integration and Assessment in Engineering Education," *2008 Annual American Society of Engineering Education (ASEE) Conference & Exposition*, Pittsburgh, PA, June 22-25, 2008.

32. **Wright, H.E.**, L.D. Phillips, S. Janczy-Stankevich, J.R. Mihelcic, "International Senior Design: Assessing the Impact on Engineering Students after Graduation," *2008 Annual American Society of Engineering Education (ASEE) Conference & Exposition*, Pittsburgh, PA, June 22-25, 2008.

33. **Ballard, M.M.**, A.R. Clarke, A. Sather-Knutsen, B.D. Barkdoll, J.R. Mihelcic "Collaborative International Research: Technology Transfer & Efficiency of Wastewater Treatment Systems in Rural Communities of Bolivia," *2008 World Environmental & Water Resources Congress*," Honolulu, Hawaii, May, 2008.

34. **Mihelcic, J.R.**, (*invited*) "The Sustainable Revolution: Challenges or Opportunities," North Carolina State University, Raleigh, NC, April 28, 2008.
35. **Mihelcic, J.R.**, (*invited*) "The Sustainable Revolution: Challenges or Opportunities," University of South Florida, Tampa, FL, January 28, 2008.
36. Cowden, J.R., **D.W. Watkins**, J.R. Mihelcic, and L.M. Fry. "Probabilistic Impact Assessment of Domestic Rainwater Harvesting in Urban Slums: West Africa Case Study," poster presentation at *American Geophysical Union*, San Francisco, December 11-14, 2007.
37. **Fry, L.M.**, J.R. Mihelcic, D.W. Watkins, "Meeting the Millennium Development Target for Sanitation: Barriers and Solutions," *American Water Resources Association 43rd Annual Water Resources Conference*, Albuquerque, New Mexico, November 12-15, 2007.
38. **Fuchs, V.J.**, J.S. Gierke, J.R. Mihelcic, "Hydraulic Model Comparison of Vertical-Flow Regimes in Constructed Wetlands," *80nd Annual Water Environment Federation Conference & Exposition*, October 13-17, 2007.
39. **Sather-Knutsen, A.**, Clarke, A., Ballard, M., Mihelcic, J.R. and N. Reents, "Community and the State in Wastewater Management in the Alto Beni Region of Bolivia," *Association of American Geographers Great Plains–Rocky Mountain Annual Meeting*, Denver, Colorado, September 28-29, 2007.
40. **Mihelcic, J.R. and J.W. Sutherland** (*invited*), "Sustainable Engineering, Addressing Challenges in Engineering Education," *2007 American Society of Engineering Education (ASEE) North Midwest Section Conference*, Houghton, MI, September 21-22, 2007.
41. **Fuchs, V.J.** and J.R. Mihelcic, "Engineering Education for International Sustainability: Curriculum Design under the Sustainable Futures Model," *2007 American Society of Engineering Education (ASEE) North Midwest Section Conference*, Houghton, MI, September 21-22, 2007.
42. **Zhang, Q.**, D. Johnson, J.R. Mihelcic, "Interdisciplinary Research for Graduate Education in Sustainability," *2007 American Society of Engineering Education (ASEE) North Midwest Section Conference*, Houghton, MI, September 21-22, 2007.
43. **Haapala, K.R.**, M.J. Hutchins, J.L. Rivera, V. Kumar, A.R. Clarke, T.D. Eatmon, R.A. Harris, M.H. Durfee, J.R. Mihelcic, D.R. Shonnard, and J.W. Sutherland, "Educational Aspects of the Sustainable Futures NSF IGERT Project," *2007 American Society of Engineering Education (ASEE) North Midwest Section Conference*, Houghton, MI, September 21-22, 2007.
44. **Mihelcic, J.R.** (*invited*), "Sustainable Futures IGERT: Transforming the Education DNA of a University," *NSF Workshop: Sustainable Manufacturing V*, Rochester Institute of Technology, Rochester, NY, September 19-21, 2007.

45. **Cowden, J.R.**, Mihelcic, J.R., and Watkins, D.W. "Climate Change Impact on Rainwater Harvesting and Health in West Africa Urban Slums," poster presentation at *3rd International Conference on Climate and Water*, Helsinki, Finland, September 3-6, 2007.
46. **Zhang, Q.**, J.R. Mihelcic, D.R. Shonnard, "Simplified Impact Assessment Methods for Green Engineer Design through Chemical Grouping and Parameter Adjustment, *Association of Environmental Engineering & Science Professors (AEESP) Education and Research Conference*, Blacksburg, VA, July 29-31, 2007.
47. **Mihelcic, J.R. (leader), S. Jones, K.G. Paterson, A. Ramaswami**, Julie B. Zimmerman, Angela R. Bielefeldt, "Workshop: Implementing an International Sustainable Development Initiative," *Association of Environmental Engineering & Science Professors (AEESP) Education and Research Conference*, Blacksburg, VA, July 29-31, 2007.
48. **Wright, H.E.**, Q. Zhang, J.R. Mihelcic, "Integrated Life Cycle Impact Assessment for an Emerging Chemical of Concern," *International Society for Industrial Ecology Conference*, University of Toronto, June 17-20, 2007.
49. **McConville, J.R.**, and J.R. Mihelcic, "Adapting Life Cycle Thinking Tools to Assess Project Sustainability in International Water Development Work," *Engineering Sustainability 2007*, Pittsburgh, PA, April 15-18, 2007.
50. Zimmerman, J.B., **Mihelcic, J.R.**, A. Ramaswami, "Integrating Developed and Developing World Knowledge into Global Discussions and Strategies for Sustainability," *Engineering Sustainability 2007*, Pittsburgh, PA, April 15-18, 2007.
51. **Mihelcic, J.R.**, K.G. Paterson, L.D. Phillips, Q. Zhang, D.W. Watkins, B. Barkdoll, V.J. Fuchs, D.R. Hokanson, "Educating Engineers in the Sustainable Futures Model with a Global Perspective," *2nd International Conference on Sustainability Engineering & Science*, Auckland, New Zealand, February 20-23, 2007.
52. **Cowden, J.R.**, Mihelcic, J.R., & Watkins, D.W., "Stochastic Rainfall Occurrence Modeling in West Africa, poster presentation at *2007 World Environmental & Water Resources Congress*," Tampa, FL, May 14-16, 2007.
53. **Cowden, J.R.**, Mihelcic, J.R., & Watkins, D.W. "Domestic Rainwater Harvesting Assessment to Improve Water Supply and Health in Africa's Urban Slums" *2006 World Environmental & Water Resources Congress*, Omaha, NE, May 21-25, 2006.
54. **K. Paterson**, D. Watkins, J. Mihelcic and L. Phillips, "International Service Engineering Across Academic Borders," *American Society of Engineering (ASEE) Annual Conference & Exposition*, June 18-21, Chicago, IL, 2006.

55. Fuchs, V.J. and **J.R. Mihelcic** (*invited*), "Engineering Education for International Sustainability: Curriculum Design under the Sustainable Futures Model," *5th Annual American Society of Engineering Education (ASEE) Global Colloquium on Engineering Education*, Rio de Janeiro, Brazil, October 9-12, 2006.
56. Fry, L.M. and **J.R. Mihelcic**, "Integrating a Global Perspective into Graduate Engineering Education & Research," *5th Annual American Society of Engineering Education (ASEE) Global Colloquium on Engineering Education*, Rio de Janeiro, Brazil, October 9-12, 2006.
57. **Mihelcic, J.R.** (*invited*), "Graduate Engineering Programs in Sustainable Development," *Engineers for a Sustainable World - National Conference*, Iowa City, IA, September 27-30, 2006.
58. **Mihelcic, J.R.** (*invited*), "Where do we go from here in Green Chemistry and Engineering Education?" in National Research Council's *Exploring Opportunities in Green Chemistry and Engineering Education: A Workshop Summary to the Chemical Sciences Roundtable* (Eds: P. Anastas, F. Wood-Black, T. Masciangioli, E. McGowan, L. Ruth), National Academies Press, Washington, D.C. (pg 21-22), 2007. (oral presentation was November 7-8, 2005).
59. **Mihelcic, J.R.** (*invited*), "Engineering Sustainable Development: Service, Education, Research," University of Virginia, Charlottesville, VA, March, 2006.
60. **Mihelcic, J.R.**, L.A. Phillips, L.M. Fry, "International Sustainable Development Engineering Initiative for Protection and Development of Water Supplies," *National Groundwater Association Summit*, San Antonio, TX, April 24-26, 2006.
61. **Fry, L.M.**, J.R. Mihelcic, D.W. Watkins, Jr., "Improving Public Health by Improving Groundwater Supply: Results from Springbox Projects in Cameroon," *National Groundwater Association Summit*, San Antonio, TX, April 24-26, 2006.
62. **Mihelcic, J.R.** (*invited talk*), "Engineering Sustainable Development: Service, Education, Research," University of Oklahoma, Norman, OK, April 21, 2006
63. **Mihelcic, J.R.** (*invited talk*), "Physical Sciences & Engineering Initiatives: Master's International Program in Civil & Environmental Engineering at Michigan Technological University," *National Academy of Sciences Government University Industry Research Roundtable Council Meeting*, National Academy of Sciences, Washington, D.C., June 7, 2005.
64. **Mihelcic, J.R.**, "Integrating a Global Perspective into Environmental Engineering Education and Research," *Association of Environmental Engineering & Science Professors (AEESP) Education and Research Conference*, Clarkson University, Potsdam, NY, July 24-26, 2005.

65. **Mihelcic, J.R.**, D.R. Hokanson, N.J. Hutzler, Q. Zhang, "How the Environmental Engineer fits into Education and Research Initiatives in Sustainability," *Association of Environmental Engineering & Science Professors (AEESP) Education and Research Conference*, Clarkson University, Potsdam, NY, July 24-26, 2005.
66. **Mihelcic, J.R.**, "Environmental Sustainability: Educating Students, Colleagues, and Ourselves," presentation at Sustainability Workshop, *Association of Environmental Engineering & Science Professors (AEESP) Education and Research Conference*, Clarkson University, Potsdam, NY, July 24-26, 2005.
67. **Phillips, L.D.**, J.R. Mihelcic, M. Paddock "How Academic Programs can be Integrated into EWB-USA Activities" *Engineers Without Borders–USA 2004 National Conference*, September 22-25, 2004, Denver, CO.
68. **Mihelcic, J.R.** (*invited*), "Engineering in the Developing World." University of Canterbury, Christchurch, New Zealand, May 27, 2004.
69. **Mihelcic, J.R.** (*invited*), "Sustainability Science and Engineering: Emergence of a New Metadiscipline," University of Canterbury, Christchurch, New Zealand, May 7, 2004.
70. **Mihelcic, J.R.** (*invited*), "The Emerging Global Water Crisis," University of Colorado-Boulder, Boulder, CO, September 28, 2003.
71. **Mihelcic, J.R.**, "Michigan Tech's Master's International Program in Civil and Environmental Engineering: Combining Graduate Education with Peace Corps Service," poster presentation at *Sustainable Resources 2003*, Boulder, Colorado, September 29 to October 4, 2003.
72. Zhang, Q., **J.C. Crittenden**, J.R. Mihelcic, "Integration of Chemical Fate Model and Economic Input Output Life Cycle Assessment for Evaluating Automobile Manufacturing," *International Society for Industrial Ecology Conference*, Ann Arbor, MI, July 1-3, 2003.