

Curriculum Vitae for James R. Mihelcic, PhD, BCEEM, Fellow AEESP, Fellow WEF (February, 2025)

Samuel L. and Julia M. Flom Professor

Director, Undergraduate Environmental Engineering Program

Director, Engineering for International Development Program

Director, Coverdell Fellows Program for Returned Peace Corps Volunteers

Department of Civil & Environmental Engineering

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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

Honors & Notable Appointments, Service, and Awards

2020-present Associate Editor *Environmental Science & Technology*, *Environmental Science & Technology Letters*

2019 Visiting Erskine Fellow, University of Canterbury, Christchurch, New Zealand

2019 William R. Jones Outstanding Mentor Award from the Florida Education Fund

2018 Charles R. O'Melia AEESP Distinguished Educator Award, Association of Environmental Engineering & Science Professors

2017 Excellence in Environmental Engineering and Science Education (E4) Award for significant contribution to the environmental engineering profession in the area of educating practitioners, American Academy of Environmental Engineers & Scientists (AAEES)

2017-present Foundation Board, American Academy of Environmental Engineers & Scientists (AAEES)

2016 Fellow with Water Environment Federation (WEF)

2016 Fellow with Association of Environmental Engineering & Science Professors (AEESP)

2016 Advisor to Matthew Verbyla (PhD student), winner of AAEEES Wesley Eckenfelder Graduate Award from the American Academy of Environmental Engineers and Scientists (AAEES) for best paper that contributes to wastewater management

2015 Distinguished Service Award, American Academy of Environmental Engineers & Scientists

2015 University of South Florida Global Achievement Award - Faculty Global Visionary

2014 University of South Florida College of Engineering Outstanding Research Achievement Award

2014 University of South Florida Outstanding Research Achievement Award

2013-2016 Association of Environmental Engineering & Science Professors (AEESP) Foundation Board

2014 Advisor to Ileana Wald (undergraduate researcher), winner in the Ecology Division for her presentation at the National Science Foundation's Emerging Researchers National Conference in STEM.

2012 Advisor to Sarah Ness (MS graduate student), winner of the William Brewster Snow Award from the American Academy of Environmental Engineers and Scientists (AAEES) as best M.S. graduate student in the U.S.

2011 Montgomery-Watson-Harza Consulting Engineers - AEESP Master's Thesis Award, 2nd place: "The Impact of Tank Material on Water Quality in Household Water Storage Systems in Cochabamba, Bolivia," Cynthia A. Schafer, Advised by James R. Mihelcic, University of South Florida.

2010-2016 U.S. Environmental Protection Agency Chartered Science Advisory Board (appointed by U.S. EPA Administrator)

2010-2015 American Academy of Environmental Engineers & Scientists Board of Trustees (member Executive, Education, and Awards Committee)

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

2007-2013 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 Best Department 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, University of South Florida
 Samuel L. and Julia M. Flom Professor & Florida 21st Century Scholar
 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

Associate Editor *Environmental Science & Technology* and *Environmental Science & Technology Letters* (2020-present).
 Association of Environmental Engineering & Science Professors
Current member (Fellows Committee), *Past member* (Foundation Board of Directors) *member and past 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 Academy of Environmental Engineers & Scientists (2010-2015) (*past member*, Board of Trustees, Executive Committee, Awards Committee chair of committee that evaluates several academic awards, chair American Academy of Environmental Scientists Certification Board (2013-present), member Foundation and Scholarship Selection Committee (2018-present)
 Water Environment Federation (member) Steering Committee, Nutrient Symposium 2016, Nutrient Symposium 2017, Nutrient Symposium 2018
 Water Environment Federation (10/09) Co-Directed workshop titled "Managing Wastewater as a Renewable Resource: A Socio-Technological Framework and Assessment Technique," WEFTEC, Orlando, Florida.
 Florida Water Environment Association (member)
 WateReuse Foundation Project Advisory Committee (10/06-5/2010)

Low-Cost Treatment Technologies for Small-Scale Water Reclamation Plants
 Guest Editor (2008) *Environmental Science & Technology* Special Issue on “World’s Water”
 Co-chair (2008) *Workshop on Delivering Sustainable Infrastructure that Supports the Urban Built Environment* (Auckland, NZ)
 Contributor (2010) UNESCO Report, *Engineering: Issues and Challenges for Development*
 Past Member of Editorial Board, *Chemosphere*
 Consulting Editor (2015-present), *Journal of Global Challenges*, John Wiley & Sons.
 Co-Editor (2016) of special issue on “Innovative Global Solutions for Bioenergy Production” in *Environmental Engineering Science*
 Chair of NSF Workshop (2016), *Workshop for Developing Evaluation Metrics to Advance a National Water Resource Recovery Facility Test Bed Network*, Washington, D.C., May, 2016.
 Co-Editor of Special Issue of *Environmental Engineering Science* on Innovative Global Solutions for Bioenergy Production (2016)
 Member Advisory Board, Sustainable Phosphorus Alliance (205-2017).

Recent Teaching Experience at the University of South Florida

ENV6510 Sustainable Development Engineering (WaSH Engineering), ENG6922 Sustainable Development (WaSH) Engineering II, ENV6666 Aquatic Chemistry, PHC6301 Water Pollution and Treatment, CGN6933 Context Sensitive Implementation of Synergistic Water-Energy-Nutrient Systems, CGN 6933 Environmental Research Interdisciplinary Colloquium, CGN6933 Environmental & Water Resources Engineering Graduate Seminar, ENV 4001 Environmental Systems Engineering, ENV 4004 Environmental Engineering Laboratory, CGN 4122 Professionalism and Ethics in Engineering, CWR4812/ENV6564: Capstone Environmental/Water Resources Design, ENV4612/ENV6617 Green Engineering for Sustainability, ENV2610 Engineering Sustainable and Healthy Environments

Journal Articles, Reports, Conference Proceedings, Book Chapters (233 published books, journal articles, book chapters, conference proceedings, software, and peer reviewed reports)

Engineering Education Contributions (Textbooks)

1. Mihelcic, J.R., J.B. Zimmerman, *Environmental Engineering: Fundamentals, Sustainability, Design*, 3rd Edition, John Wiley & Sons, 736 pages, 2021
2. Mihelcic, J.R., J.B. Zimmerman, *Environmental Engineering: Fundamentals, Sustainability, Design*, 2nd Edition, John Wiley & Sons, 656 pages, 2014.
3. Mihelcic, J.R., J.B. Zimmerman, *Environmental Engineering: Fundamentals, Sustainability, Design*, 1st Edition, John Wiley & Sons, 2010. (translated into Portuguese, Spanish)
4. 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.
5. Mihelcic, J.R. *Fundamentals of Environmental Engineering*, 335 pages, John Wiley & Sons, Inc. New York, 1999.
6. Mihelcic, J.R. *Fundamentos de Ingenieria Ambiental*, 384 pages, Limusa Wiley, Balderas, Mexico, 2001.

Sanitation and Disease in the 21st Century: Health and Microbiological Aspects of Excreta and Wastewater Management. (Global Water Pathogen Project (<http://www.waterpathogens.org/toc>) (all chapters are peer reviewed, Dr. Mihelcic served as a co-editor for all sanitation technology chapters).

7. Naughton, C.N. and Mihelcic, J.R. (2017). Introduction to the Importance of Sanitation, In: J.B. Rose and B. Jiménez-Cisneros, (eds) *Sanitation and Disease in the 21st Century: Health and Microbiological Aspects of Excreta and Wastewater Management*. <http://www.waterpathogens.org> (J.B. Rose and B. Jiménez-Cisneros) (eds) *Part 1 The Health Hazards of Excreta: Theory and Control*. <http://www.waterpathogens.org/book/introduction> Michigan State University, E. Lansing, MI, UNESCO.
8. Mihelcic, J.R., von Sperling, M., (2017). Collection and On-Site & Sewered Conveyance, In: J.B. Rose and B. Jiménez-Cisneros, (eds) *Sanitation and Disease in the 21st Century: Health and Microbiological Aspects of Excreta and Wastewater Management*. <http://www.waterpathogens.org> (J.R. Mihelcic and M. Verbyla) (eds) *Part 4 Management Of Risk from Excreta and Wastewater*. Michigan State University, E. Lansing, MI, UNESCO.
9. Maiga, Y., von Sperling, M., Mihelcic, J.R. (2017). Constructed Wetlands, In: J.B. Rose and B. Jiménez-Cisneros, (eds) *Sanitation and Disease in the 21st Century: Health and Microbiological Aspects of Excreta and*

Wastewater Management. <http://www.waterpathogens.org> (J.R. Mihelcic and M. Verbyla) (eds) *Part 4 Management Of Risk from Excreta and Wastewater*. <http://www.waterpathogens.org/book/constructed-wetlands> Michigan State University, E. Lansing, MI, UNESCO.

10. Mihelcic, J.R. (2018). Sludge Management: Biosolids and Faecal Sludge, In: J.B. Rose and B. Jiménez-Cisneros, (eds) *Sanitation and Disease in the 21st Century: Health and Microbiological Aspects of Excreta and Wastewater Management*. <http://www.waterpathogens.org> (J.R. Mihelcic and M. Verbyla) (eds) *Part 4 Management Of Risk from Excreta and Wastewater*. Michigan State University, E. Lansing, MI, UNESCO.
11. Symonds, E.M, Verbyla, M.E., Mihelcic, J.R. (2019). Can Farmers in Bolivia Safely Irrigate Non-edible Crops with Treated Wastewater? In: J.B. Rose and B. Jiménez-Cisneros, (eds) *Sanitation and Disease in the 21st Century: Health and Microbiological Aspects of Excreta and Wastewater Management*. <http://www.waterpathogens.org> (S. Petterson, G. Medema) (eds) *Part 5 Case Studies*. Michigan State University, E. Lansing, MI, UNESCO.

Other Engineering Education Scholarship (much is on integration of sustainability & global competency into engineering education)

12. Rosario-Ortiz, F. L., Korak, J., Mihelcic, J., Guidotti, S., Lowry, G., & Zimmerman, J. (2023). Hearing All Voices: Environmental Issues and Opportunities in South America. *Environmental Science & Technology*, 57(35), 12933-12934.
13. Roldan-Hernandez, L., Boehm, A. B., & Mihelcic, J. R. (2020). Parachute environmental science and engineering. *Environmental Science & Technology*, 54(23), 14773-14774.
14. Lowry, G., Field, J., Westerhoff, P., Zimmerman, J., Alvarez, P., Boehm, A., ... & Wang, S. (2020). Why was my paper rejected without review?. *Environmental Science & Technology*, 54(19), 11641-11644.
15. Brooks, B. W., Arnold, W. A., Boehm, A. B., Martin, J. W., Mihelcic, J. R., Schlenk, D., & Wang, S. (2021). Quantity, Quality, and Accessibility: Big Data Collection, Analysis, and Synthesis in Environmental Science and Technology. *Environmental Science & Technology Letters*, 8(4), 287-288.
16. Mihelcic, J.R., Cannon, R., McAlister, M., Nenninger, C. (2020) Preparing Academics and Practitioners for Careers in WASH, *Proceedings of WEFTEC 2020, The 93rd Annual Water Environment Federation Technical Exhibition and Conference*, October 5-9.
17. Mihelcic, J.R. Trotz, M.A. (2019). Environmental Education that Enhances the Global Competency of Early-Career Engineers and Scientists, *EM Magazine*, a publication of the Air & Waste Management Association February.
18. Mihelcic, J.R. What Line? Letter to Editor, *Environmental Science & Technology*, 2017, DOI: 10.1021/acs.est.6b06016.
19. Manser, N., Naughton, C., Prouty, C., Orner, K., Verbyla, M., & Mihelcic, J.R. Improving the Global Competency of Graduate Engineers Through Peace Corps Partnership and Long-Term International Service. Making Value for Society, *Proceedings of the American Society for Engineering Education (ASEE) National Conference*, Washington Convention Center, Seattle, WA, June, 2015.
20. Prouty, C., Orner, K., Naughton, C., Manser, N., Verbyla, M., & Mihelcic, J.R. Exploring the Expanding Impact of a Sustainable Development Engineering Course through a Critical Evolutionary Review. Making Value for Society, *Proceedings of the American Society for Engineering Education (ASEE) National Conference*, Washington Convention Center, Seattle, WA, June, 2015.
21. Verbyla, M.A, Naughton, C.C., Vernaza-Hernandez, V., Feldman, A., Wells, E.C., Trotz, M.A., Mihelcic, J.R. Using Social Media to Create a Global Community of Sustainability-Engaged Students, *3rd Annual American Society for Engineering Education, International Forum*, Indianapolis, Indiana, June 14, 2014.
22. Zhang, Q., L. Vanasupa, Mihelcic, J.R., J.B. Zimmerman, Platukyte, S. Challenges for Integration of Sustainability into Engineering Education, *Proceedings of the 2012 Annual ASEE Conference & Exposition*, San Antonio, TX, June 10-13, 2012.
23. Trotz, M.A., Mihelcic, J.R., Dalrymple, O.K., Briley, A., Thomas, K.D., Howard, J.A. Chapter 2. Water: Foundation for a Sustainable Future in *The Chemical Element. Chemistry's Contribution to Our Global Future*, J. García-Martínez, E. Serrano (Eds.), Wiley-VCH, 2011.
24. Mihelcic, J.R. The Right Thing to Do: Graduate Education and Research in a Global and Human Context, in *What Is Global Engineering Education For? The Making of International and Global Engineering Educators* (Eds: G.L. Downey and K. Beddoes), Morgan & Claypool Publishers, San Francisco, pg 235-250, 2010.

25. Zhang, Q., Vanasupa, L., Zimmerman, J.B., Mihelcic, J.R. Development and Dissemination of Learning Suites for Sustainability Integration in Engineering Education, *Proceedings of the 2010 Annual ASEE Conference & Exposition*, Louisville, KY, June 20-23, 2010.
26. 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.
27. 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, *Proceedings 2009 World Environmental & Water Resources Congress*, Kansas City, MO, May 17-21, 2009.
28. Zhang, Q., Zimmerman, J.B., Mihelcic, J.R., Vanasupa, L.D. 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.
29. Wright, H.E., Phillips, L.D., Janczy-Stankevich, S., Mihelcic, J.R. 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.
30. Mihelcic, J.R., Paterson, K.G., Phillips, L.D., Zhang, Q., Watkins, D.W., Barkdoll, B., Fuchs, V.J., Fry, L.M., Hokanson, D.R. Educating Engineers in the Sustainable Futures Model with a Global Perspective, *Civil Engineering and Environmental Systems*, 25(4):255-263, 2008.
31. Fuchs, V.J. Mihelcic, J.R. 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.
32. Hokanson, D.R., Mihelcic, J.R., Phillips, L.D. 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.
33. Troschinetz, A.M., Mihelcic, J.R., Bradof, K.L. 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.
34. Fuchs, V.J. Mihelcic, J.R. 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.
35. Fry, L.M. Mihelcic, J.R. 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.
36. Mihelcic, J.R., Phillips, L.D., Watkins, D.W. Integrating a Global Perspective into Engineering Education & Research: Engineering International Sustainable Development, *Environmental Engineering Science*, 23(3):426-438, 2006.
37. Mihelcic, J.R. Hokanson, D.R. Educational Solutions: For a more Sustainable Future, in *Environmental Solutions*, Eds: NL Nemerow and FJ Agardy, Elsevier, pg. 25-58, 2005.
38. Mihelcic, J.R. Educating Tomorrow's Global Engineer through a Unique Partnership with the U.S. Peace Corps, *Woman Engineer*, 30-33, Fall, 2004.
39. Mihelcic, J.R., Educating the Future's Water Professional, *Water Environment Technology*, 16(9):86-92, 2004.
40. Sutherland, J.W. Kumar, V., Crittenden, J.C., Durfee, M.H., Gershenson, J.K., Gorman, H., Hokanson, D.R., Hutzler, N.J., Michalek, D.J., Mihelcic, J.R., Shonnard, D.R., Solomon, B.D., Sorby, S. An Education Program in Support of a Sustainable Future, *Proceedings of the American Society of Mechanical Engineers (ASME)*, 2003
41. Orr, B.D., Mihelcic, J.R., Van Dam, T.J. Engineering Help while Getting a Degree, *IEEE Potentials*, 22(2):32-34, 2003.
42. McNally, D.L., Mihelcic, J.R. 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., Mihelcic, J.R. 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. Baillod, C.R., Mihelcic, J.R. Baccalaureate Programs in Environmental Engineering: An American Perspective, *Australasian Journal of Engineering Education*, 4(2):137-149, 1993.

Sustainable Science & Engineering

45. Zhang, Q., Eckelman, M. J., Fu, G., Liang, S., Mihelcic, J. R., Mo, W., & Zimmerman, J. B. (2024). Systems Approaches for Addressing Complex Environmental Problems. *Environmental Science & Technology*, 58(43), 19093-19094.
46. Lu, Z., Broesicke, O., Chang, M., Yan, J., Xu, M., Derrible, S., Mihelcic, J.R., Schwegler, B., Crittenden, J.C. (2019). Seven Approaches to Manage Complex Coupled Human and Natural Systems: A Sustainability Toolbox, *Environmental Science & Technology*, 53(16):9341-9351.
47. Mihelcic, J.R., Crittenden, J.C., Small, M.J., Shonnard, D.R., Hokanson, D.R., Zhang, Q., Chen, H., Sorby, S.A., James, V.U., Sutherland, J.W., Schnoor, J.L. (2003). Sustainability Science and Engineering: Emergence of a New Metadiscipline, *Environmental Science & Technology*, 37(23):5314-5324, 2003.
48. Boyle, C., Mudd, G., Mihelcic, J.R., Anastas, P., Collins, T., Culligan, P., Edwards, M., Gabe, J., Gallagher, P., Handy, S., Kao, J., Krumdieck, S., Lyles, L.D., Mason, I., McDowall, R., Pearce, A., Riedy, C., Russell, J., Schnoor, J.L., Trotz, M., Venables, R., Zimmerman, J.B., Fuchs, V., Miller, S., Page, S., Reeder-Emery, K. (2010). Delivering Sustainable Infrastructure that Supports the Urban Built Environment, *Environmental Science & Technology*, 44(13): 4836-4840.
49. Mihelcic, J.R., Trotz, M.A. (2010). Sustainability and the environmental engineer: implications for education, research, and practice, in *Environmental Engineer: Applied Research and Practice*, Vol. I, Winter, 2009, in Environmental Engineer, the Magazine of the American Academy of Environmental Engineers, 27-34.
50. Mihelcic, J.R. Zimmerman, J.B., Ramaswami, A. (2007). 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.
51. Ramaswami, R., Zimmerman, J.B., Mihelcic, J.R. (2007). 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.
52. 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.

Global Sustainable Development (includes articles on food security, water, sanitation, solid waste, hygiene, indoor air quality, mercury exposure)

53. Gebrai, Y., Danso-Abbeam, G, Ghebremichael, K., Mihelcic, J.R. (2024) Sustainability assessment of products of the tropical tree moringa in Ghana with a focus on small-scale producers, *Sustainable Production and Consumption*, 52:253-267.
54. McAlister, M. M., Zhang, Q., & Mihelcic, J. R. (2024). Clean Cooking Programs' Long-Term Success Emerges from Feedback Dynamics. *Environmental Science & Technology*, 58(47), 20765-20767.
55. Zhang, Q., Eckelman, M. J., Fu, G., Liang, S., Mihelcic, J. R., Mo, W., & Zimmerman, J. B. (2024). Systems Approaches for Addressing Complex Environmental Problems. *Environmental Science & Technology*, 58(43), 19093-19094.
56. Nenninger, C., Mihelcic, J.R., Cunningham, J.A. (2024). Ensuring the Safety of an Extraction Well from an Upgradient Point Source of Pollution in a Computationally Constrained Setting, *Water*, 16, 2645.
57. McAlister, M.M., Mihelcic, J.R., Stuart, A.L., Zhang, Q. (2024). Sustaining clean cooking: A system dynamics study of Ghana's rural LPG promotion program, *Energy for Sustainable Development*, 81, 101497.
58. Judah, L. A., Andriambololonirina, C., Rakotoarisoa, L., Barrett, L. J. P., Khaliq, M., Mihelcic, J. R., & Cunningham, J. A. (2024). Occurrence and Mitigation of Bacterial Regrowth in Stored Household Water in Eastern Coastal Madagascar. *Water*, 16(11), 1592.
59. Osler, A. L., Alfredo, K. A., & Mihelcic, J. R. (2024). Chlorine Water Taste Threshold and Acceptability among Indigenous and Non-Indigenous Populations in Rural Panama. *Environmental Science & Technology*, 58(12):5548-5556.
60. Compaore, C. O. T., Maiga, Y., Zongo, S. G., Sawadogo, M., Nikiema, M., Mien, O., ... & Ouattara, A. S. (2024). Occurrence of antibiotic-resistant bacteria in household greywater discharged into the environment in Burkina Faso's Sahel region. *Journal of Water and Health*, 22(7):1139–1152.
61. Compaoré, C. O. T., Maiga, Y., Nagalo, I., Sawadogo, M., Zongo, S. G., Mien, O., Compaoré, C.O.T., Maiga, Y., Nagalo, I., Sawadogo, M., Zongo, S.G., Mien, O., Nikiéma, M., Oouili, A.S., Mogmenga, I., Ouattara, C.A.T.

- Mihelcic, J.R. & Ouattar, A.S. (2024). Effect of greywater treated by horizontal subsurface flow wetlands planted with *Chrysopogon zizanioides* and *Andropogon gayanus* on the germination of tomato (*Lycopersicon esculentum* Mill.) seeds under Sahelian climate. *Ecological Engineering*, 199:107165.
62. McAlister, M. M., Namakula, P., Annis, J., Mihelcic, J. R., & Zhang, Q. (2023). Rural Sanitation Sustainability Dynamics: Gaining Insight through Participatory and Simulation Modeling. *Environmental Science & Technology*, 58(1), 400-409.
 63. Vicario, E. F., Annis, J., Namakula, P., Kasozi, G. K., & Mihelcic, J. R. (2023). Do Sanitation Marketing Activities Increase Households' Likelihoods of Reaching Improved Sanitation or Involving Women in Decision Making? *Environmental Science & Technology*, 57(44), 16851-16861.
 64. Buerck, A. M., Khaliq, M., Alfredo, K., Cunningham, J. A., Barrett, L. J. P., Rakotondrazaka, R., ... & Mihelcic, J. R. (2023). Reductions in children's blood lead levels from a drinking-water intervention in Madagascar, Sub-Saharan Africa. *Environmental Science & Technology*, 57(43), 16309-16316.
 65. Nenninger, C., Cunningham, J., & Mihelcic, J. R. (2023). A historical and critical review of latrine-siting guidelines. *Journal of Water, Sanitation and Hygiene for Development*, 13(10), 833-846.
 66. Buerck, A. M., Khaliq, M., Rakotondrazaka, R., Rakotoarisoa, L., Paul Barrett, L. J., Sommariva, S., & Mihelcic, J. R. (2023). Convergence of Social Marketing and Engineering: A Lead Mitigation Study in Madagascar. *Social Marketing Quarterly*, 29(1), 87-104.
 67. Compaoré, C. O. T., Maiga, Y., Nikiéma, M., Mien, O., Nagalo, I., Panandtigri, H. T., ... & Ouattara, A. S. (2023). Constructed wetland technology for the treatment and reuse of urban household greywater under conditions of Africa's Sahel region. *Water Supply*, 23(6), 2505-2516.
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Presentations & Workshops (since 2003) (speaker/presenter listed in bold)

1. **Vicario, E.F.**, Amankwaa, E.F., Ghebremichael, K., Asefa, T., Mihelcic, J.R. How urban water utility decisions affect resilience systems thinking in Tampa Bay and Accra, Ghana, 2024 UNC Water & Health Conference, Chapel Hill, NC, October 14-18, 2024.
2. **Vicario, E.F.**, Khaliq Pasha, M., Buerck, A., Mihelcic, J.R. (*invited*) Working with Informal Supply Chains to Quickly Reduce Lead Exposure in Sub-Saharan Africa, presented at session on preventing toxic metals in drinking water in LMICs: Implementation and supply chain barriers, strategies, and opportunities, 2024 UNC Water & Health Conference, Chapel Hill, NC, October 14-18, 2024
3. **Mihelcic, J.R.** (*invited*) Tales of Two Water/Sanitation Development Projects: USAID Project in Uganda & Self Supply in Madagascar, U.S. Military Academy, West Point, September 5, 2003.
4. **Mihelcic, J.R.** (*invited*) Self Supply in Madagascar: The Unsubsidized Market for Pitcher Pumps, presented at Rural Water Supply Network webinar on Supported Self Supply: Case Studies from Four Continents, June 18, 2024. <https://www.youtube.com/watch?v=VoQSdIfNdRI>
5. **Mihelcic, J.R.** (*invited*) One Course or Four Years? Diffusing Energy Readiness Across a BSEV Program, Mobilizing Our Universities for Education on Energy Use, Carbon Emissions and Climate Change Workshop, Chicago, IL, April 11-12, 2024.
6. **Mihelcic, J.R.** (*invited*) Improving water quality and well-being for all: Stormwater management in underserved urban communities, Improving Water Quality by Understanding Environmental Chemical Processes: A Symposium in Honor of Richard G. Luthy, American Chemical Society, Fall 2023, San Francisco, CA, August 13-17, 2023
7. **McAlister, M. M.**, Zhang, Q., & Mihelcic, J. R. How feedback leads to sustained adoption of cleaner cooking Presentation at ETHOS 2023, Kirkland, WA, January 27-29.
8. **Gebrai, Y.**, Danso-Abbeam, G, Ghebremichael, K., Mihelcic, J.R. A Comparative Sustainability Assessment of the Miracle Tree's Leaf Powder and Seed Oil. 11th International Conference on Industrial Ecology, Leiden, NL. July, 2023.
9. **McAlister, M. M.**, Zhang, Q., & Mihelcic, J. R., & Bartrem, C. A complexity-aware monitoring guideline for environmental health interventions, International System Dynamics Conference 2023, Chicago, IL, July 23-27.
10. **Mihelcic, J.R.** (*invited*) The Path Forward: My Journey and the Grandest Challenge of them all, U.S. Military Academy, West Point, NY, November 7, 2022.
11. **Vicario, E.** & **Mihelcic, J. R.** (2022). Sanitation Marketing in Uganda: The Impact of Gender on Participation and Outcomes [Poster Presentation]. Colorado WASH Symposium, March 10-11, Boulder, Colorado.
12. **Maiga, Y.**, C.O.T. Compaore, M. Diallo Kone, S. Soussou, **J.R. Mihelcic**, Development of a horizontal constructed wetland for safe agricultural household greywater reuse in rural Burkina Faso, UNC Water Health Conference, Chapel Hill, NC, October 24-28, 2022.
13. **Mihelcic, J.R.** (*invited*) Lead (Pb) Exposure from Water Supplies: Just a U.S. Issue? California State University – Chico, April 5, 2022
14. **Mihelcic, J.R.** (*invited*) Lead (Pb) Exposure from Water Supplies: Just a U.S. Issue? San Diego State University, March 22, 2022
15. **Mihelcic, J.R.** (*invited*) Lead (Pb) Exposure from Water Supplies: Just a U.S. Issue? Trussell Technologies, San Diego, CA, March 18, 2022
16. **Mihelcic, J.R.** (*invited*) Safeguarding pumped drinking water from lead (Pb) contamination in sub-Saharan Africa, American Chemical Society Spring National Meeting, March 21, 2022.
17. **Mihelcic, J.R.** (*invited*) Getting the Lead (Pb) Out: Health and Economic Benefits of Reducing Lead Exposure in Sub-Saharan Africa, University of California – Merced, April 21, 2021.
18. **Mihelcic, J.R.** (*invited*) Safe Water for All: Solving a Lead (Pb) in Drinking Water Crisis in Sub Saharan Africa (Keynote Talk 9) AQUA ≈ 360: Water for All - Emerging Issues and Innovations, Exeter, U.K., August 31, 2021.
19. **Orner, K.D.**, Camacho-Céspedes, F., Cunningham, J.A., and Mihelcic, J.R. Resource Recovery of Agricultural Waste Utilizing Anaerobic Digestion and Struvite Precipitation. Poster presentation at Association of Environmental Engineering and Science Professors Research and Education Conference. Tempe, AZ. May 14-16, 2019.
20. **Buerck, A.M.**, Mihelcic, J.R., Cunningham, J.A., Pasha, M.K., Barrett, L.J.P., Rakototarisoa, L.N., MacCarthy, M.F. Getting the Lead Out: Water, Health, and Culture in Madagascar, Association of Environmental Engineering and Science Professors Research and Education Conference. Tempe, AZ. May 14-16, 2019.

21. **Buerck, A.M.**, Usowicz, M., Cunningham, J.A., Pasha, M.K., Barrett, L.J.P., Rakotoarisoa, L.N., MacCarthy, M.F., Mihelcic, J.R. Lead (Pb) Mitigation in Pump Water in Madagascar: Technology Improvement, Water Quality, and Social Marketing, Water and Health Conference: Where Science Meets Policy, Chapel Hill, NC, October 7-11, 2019.
22. **Lopez-Ponnada, E.V.**, Lynn, T. J., Ergas, S.J., Mihelcic, J.R. (2019). From the laboratory to the field: Study of a modified denitrifying bioretention system. Innovative green stormwater infrastructure for nitrogen removal. American Chemical Society Fall 2019 National Meeting & Exposition, San Diego, CA, August 25-29, 2019. (Oral)
23. **Lopez-Ponnada, E.V., Ergas, S.J., Nachabe, M., Payne, K., Mihelcic, J.R. (2019).** Innovating Infrastructure for Management of Nitrogen Found in Stormwater: Long-Term Field Performance of a Full-Scale Modified Bioretention System. Water Environment Federation 2019 Stormwater and Green Infrastructure Symposium, Ft. Lauderdale, FL, May 9-10, 2019. (Oral)
24. **Buerck, A.M.**, Mihelcic, J.R., Cunningham, J.A., Usowicz, M., Pasha, M.K., Barrett, L.J.P., Rakototarisoa, L.N., MacCarthy, M.F. Examination of Technology Improvement and Water Quality of Pump Water in Madagascar to Achieve Sustainable Lead Mitigation, *OU International WATER Conference*, September 16-17, 2019, Norman, Oklahoma. (Poster)
25. **Mihelcic, J.R. (invited)** Removing an Inorganic for Children's Health: Getting the lead out of locally manufactured pitcher pump systems in Madagascar, University of Iowa, October 12, 2018.
26. **Mihelcic, J.R. (invited)**. Environmental Engineering Research that Improves Health in Developing World Settings, University of Colorado-Boulder, February 12, 2018.
27. **Mihelcic, J.R.**, Naughton, C.C., Verbyla, M.E., Young, K.R.L., Haas, C., Rose, J.B. The Global Water Pathogens Project: Forming a Global Network of Scientists to Address Sanitation, presented at *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*, Ann Arbor, MI, June 20-22, 2017.
28. **Naughton, C.C.**, Akers, T., Mihelcic, J.R. An Evaluation of the Use of Composting Latrines in Developing World Communities in Panama: Does Resource Recovery Play a Role in User Perceptions?, presented at *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*, Ann Arbor, MI, June 20-22, 2017.
29. **Packard, B.**, Mihelcic, J.R., Pramanik, A. US EPA Nitrogen and Co-Pollutant Roadmap and the National Priorities Nutrient Management Centers, *WEF Nutrient Symposium 2017*, Fort Lauderdale, FL, June 12-14, 2017.
30. **Lopez-Ponnada, E.**, Ergas, S., Trotz, M., Barton, F. Mihelcic, J.R. Enhanced Management of Nitrogen in Urban Stormwater Runoff through a Field Demonstration of a Modified Bioretention System, *WEF Nutrient Symposium 2017*, Fort Lauderdale, FL, June 12-14, 2017.
31. **Wells, E.C.**, Mihelcic, J.R. Human-Environmental Health at the Water-Energy Nexus, *Society for Applied Anthropology Research Conference*, Santa Fe, NM, March 28-21, 2017.
32. **Orner, K.**, Cools, C., Mihelcic, J.R., Cunningham. Microbial fuel cells integrate energy production with nutrient management in municipal wastewater plant sidestreams, *American Chemical Society Abstracts*, Volume 253, April, 2017.
33. **Mihelcic, J.R. (invited)**. Doing the Right Thing: Engineering Health Improvements for Developing World Communities, University of Notre Dame, March 2, 2017.
34. **Verbyla, M.E.**, Mihelcic, J.R. Virus-Particle Associations in Full-scale UASB Reactors and Waste Stabilization Ponds, presentation at *IWA World Water Congress & Exhibition*, Brisbane-Queensland, Australia, October 9-14, 2016.
35. **Mihelcic, J.R. (invited)**. Stories of water quality professionals working to provide clean water, improved sanitation, and hygiene, AAEES/AIDIS/WEF Breakfast, *Water Environment Federation Conference & Exposition*, September 26, 2016.
36. **Cunningham, J.A.**, Akers, D.B., MacCarthy, M., Mihelcic, J.R. Lead (Pb) Contamination of Self-Supply Groundwater Systems in Coastal Madagascar: Estimates of Blood Lead Levels (BLLs) in Children, presentation at the *ASCE EWRI World Environmental and Water Resources Congress 2016*, West Palm Beach, FL, May 22-26, 2016.
37. **Lopez, E.V.**, Lynn, T.J., Peterson, M., Ergas, S.J., Mihelcic, J.R. Enhanced Nutrient Management of Stormwater through a Field Demonstration of Nitrogen Removal in a Modified Bioretention System, presentation at the *ASCE EWRI World Environmental and Water Resources Congress 2016*, West Palm Beach, FL, May 22-26, 2016.
38. Hayman, S.K., **Mihelcic, J.R., (invited)** Evaluation of Appropriate Groundwater Supply Technologies that Increase Access to Sufficient and Improved Water in Rural Coastal Communities in Panama, presentation at the

ASCE EWRI World Environmental and Water Resources Congress 2016, West Palm Beach, FL, May 22-26, 2016.

39. **Mihelcic, J.R.** (invited) Biological inspired engineering that makes the world a better place Plenary Speaker – 2016 Annual Conference of the Institute of Biological Engineering (IBE), Greenville, South Carolina, April 7-9, 2016
40. **Mihelcic, J.R.** (invited) Engineering Health Improvements for Developing World Communities, Purdue University, March 19, 2016.
41. **Resto, M.**, MacCarthy, M.F., Cherry, J.A., Trout, K.E., Carpenter, J.D., Parker, B.L., Mihelcic, J.R., Manual Drilling in Academic Research and Training: Well Installation and Monitoring, 2015 AWRA Annual Water Resources Conference, Denver, Colorado, November 17, 2015.
42. **Mihelcic, J.R.** (invited) Sustainable Development Research that Improves the Health of Developing World Communities, Virginia Polytechnic Institute and State University, October 30, 2015.
43. **Mihelcic, J.R.** (invited) Influence of Water Quality on the Embodied Energy of Drinking Water Treatment, University of Florida, October 16, 2015.
44. **Mihelcic, J.R.** (invited) Engineering Research that Improves Health in for Developing World Communities, University of Colorado – Boulder, September 25, 2015.
45. **Naughton, C.C.**, Zhang, Q., Mihelcic, J.R. Assessing the food-energy-climate nexus of traditional and improved shea butter processes across sub-Saharan Africa, presented at *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*, New Haven, CT, June 14-16, 2015.
46. **Lopez, E. V.** Locicero, R.; Ergas, S. J.; Lynn, T. J.; Barton, F.; Mihelcic, J. P.; Trotz, M. A. How concepts of stormwater and nutrient management can build non-traditional workforce capacity in an urban community., presented at *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*, New Haven, CT, June 14-16, 2015.
47. **Mihelcic, J.R.** Bartacek, J. Achieving Sustainable Waste to Energy Practices through Knowledge Transfer Between Europe and the Americas. *Water and Energy 2015: Opportunities for Energy and Resource Recovery in a Changing World*, Water Environmental Federation, Washington, D.C., June 8-10, 2015.
48. **Cornejo-Warner, P.**, Mihelcic, J.R., Zhang, Q. Implications of Implementation Scale on the Environmental Sustainability of Wastewater Treatment with Resource Recovery, Presented at *International Congress on Sustainability Science and Engineering (ICOSSE '15)*, Balatonfüred, Hungary, May 26-29, 2015.
49. **Mihelcic, J.R.** (invited) Environmental Engineering Research that Improves Health in Developing World Settings, University of Washington, Seattle, May 8, 2015.
50. **Naughton, C.**, Manser, N., Prouty, C., Orner, K., Verbyla, M., & Mihelcic, J.R. (2015, April). Improving the Global Competency of Engineers through the Peace Corps Master’s International Program. Preparing Engineers for the Grand Challenges of the Future. Paper presented at the *American Society for Engineering Education (ASEE) Southeastern Section Annual Conference*, University of Florida, Gainesville, FL.
51. **Orner, K.**, Prouty, C., Naughton, C., Manser, N., Verbyla, M., & Mihelcic, J.R. (2015, April). Developing Competencies in Sustainable Development Engineering Course. Preparing Engineers for the Grand Challenges of the Future. Paper presented at the *American Society for Engineering Education (ASEE) Southeastern Section Annual Conference*, University of Florida, Gainesville, FL.
52. **Manser, N.**, Naughton, C., Prouty, C., Orner, K., Verbyla, M., & Mihelcic, J.R. (2015, June). Improving the Global Competency of Graduate Engineers Through Peace Corps Partnership and Long-Term International Service. Making Value for Society. Paper presented at the *American Society for Engineering Education (ASEE) National Conference*, Washington Convention Center, Seattle, WA.
53. **Prouty, C.**, Orner, K., Naughton, C., Manser, N., Verbyla, M., & Mihelcic, J.R. (2015, June). Exploring the Expanding Impact of a Sustainable Development Engineering Course through a Critical Evolutionary Review. Making Value for Society. Paper presented at the *American Society for Engineering Education (ASEE) National Conference*, Washington Convention Center, Seattle, WA.
54. **Mihelcic, J.R.** (invited) Environmental Engineering Research that Improves Health in Developing World Settings, University of Washington, Seattle, May 7, 2015.
55. **Santana, M.V.E.**, Q. Zhang, J. R. Mihelcic, The Effect of Sprawl and Smart Growth on The Embodied Energy and Carbon Footprint of Water Supply, 2015 Sustainable Water Management Conference, Portland, Oregon, March 15-18, 2015.
56. **Mihelcic, J.R.** (invited) Envisioning a Better World: The Making of Community and Globally Impactful Engineers, University of Southern California, Los Angeles, February 27, 2015.

57. **Mihelcic, J.R.** (*invited*) Envisioning a Better World: The Making of Community and Globally Impactful Engineers, *American Society of Civil Engineers (ASCE) Global Engineering Conference 2014*, Panama City, Panama, October 7 – 11, 2014.
58. **Mihelcic, J.R.** (*invited*) The Last Taboo: Research Related to the Global Sanitation Crisis, Yale University, New Haven, October 1, 2014.
59. Mihelcic, J.R., **Cornejo, P.K.** (*invited*) The Right Thing to Do: Integrating Graduate Education with Peace Corps Service as a Water-Sanitation Engineer, *Water Environment Federation Technical Exhibition and Conference (WEFTEC)*, New Orleans, LA, Sept. 27 – Oct. 1, 2014.
60. **Cornejo, P.K.**, Zhang, Q., Mihelcic, J.R. How does scale of implementation impact embodied energy and carbon footprint of water reuse systems?, *Water Environment Federation Technical Exhibition and Conference (WEFTEC)*, New Orleans, LA, Sept. 27 – Oct. 1, 2014.
61. **Mihelcic, J.R.**, Akers, D.B., Orner, K.D., Cunningham, J.A. (*invited*) Environmental Chemistry Research that Improves Health in Developing World Settings: Assessment of In-line Disinfection of Gravity Flow Water Supply Systems in Panama and Water Derived from Pumps in Madagascar that Contain Lead Components, *248th ACS National Meeting and Exposition*, San Francisco, CA, August 10-14, 2014.
62. **Butcher, M.**, Mihelcic, J.R. Diffuse release of nutrients from residential lawn management, *Florida Lake Management Society (FLMS) 25th Annual Technical Symposium*, Stuart, FL, June 16-19, 2014.
63. **Mihelcic, J.R.** An overview of the new EPA National Research Center for Reinventing Aging Infrastructure for Nutrient Management (RAINmgt), *Florida Lake Management Society (FLMS) 25th Annual Technical Symposium*, Stuart, FL, June 16-19, 2014.
64. **Verbyla, M.A.**, C.C. Naughton, A. Feldman, J.R. Mihelcic, Using Social Media to Create a Global Community of Sustainability-Engaged Students, *3rd Annual American Society of Engineering Education, International Forum*, Indianapolis, Indiana, June 14, 2014
65. **Verbyla, M.E.**, Kafle, R.C., Symonds, E.M., Cairns, M.R., Iriarte, M., Mihelcic, J.R. A quantitative microbial risk assessment for lettuce irrigated with wastewater treated by on-farm bank filtration systems in Bolivia, Oral Presentation, *2014 Water Microbiology Conference: Microbial contaminants from watersheds to human exposure*, Chapel Hill, North Carolina, May 5-7, 2014.
66. **Mihelcic, J.R.** (*invited*) The Right Thing to Do: International Research Collaborations Research through International Collaboration workshop, University of Central Florida, Orlando, FL, April 14, 2014
67. **Banks, C., Corbett, A., Mihelcic, J.R.** The New Frontier in International Collaboration: Tri-lateral and Multi-lateral Partnerships, *NAFSA Annual Conference and Exposition*, San Diego, CA, May 26-30, 2014
68. **Verbyla, M.E.**, Symonds, E.M., Lukasik, G., Breitbart, M., Mihelcic, J.R. (2013). Virus removal in full-scale stabilization pond systems treating domestic wastewater. *Water and Health Conference: Where Science Meets Policy*, October 14-18, 2013, Chapel Hill, North Carolina.
69. **Manser, N.D.**, N.D. Manser, I. Wald, M.E. Verbyla, S.E. Ergas, J.R. Mihelcic. Ascaris inactivation under optimal gas-producing anaerobic digestion conditions of agriculture waste, *Water and Health Conference: Where Science Meets Policy*, October 14-18, 2013, Chapel Hill, North Carolina.
70. **Naughton, C.N.**, J.R. Mihelcic. Monitoring and evaluation of handwashing: assessing appropriate technology handwashing stations in Mali, West Africa, *Water and Health Conference: Where Science Meets Policy*, October 14-18, 2013, Chapel Hill, North Carolina.
71. **Symonds, E.M.**, Verbyla, M.E., Lukasik, G., Breitbart, M., & Mihelcic, J.R. (2013) Virus removal in full-scale stabilization pond systems treating domestic wastewater, Oral Presentation, *Water & Health Conference: Where Science Meets Policy*, October 14-18, 2013, Chapel Hill, North Carolina.
72. **MacCarthy, M.F.**, Wahlstrom, M.A., Akers, D.B., Annis, J.E., and J.R. Mihelcic. Sustainable Household Groundwater Supply: Building Upon Five Decades of Experience in Eastern Madagascar. *International WaTER Conference (Water Technologies for Emerging Regions)*, University of Oklahoma, September 2013.
73. **Symonds, E.M.**, Verbyla, M.E., Mihelcic, J.R., Breitbart, M. Viruses in Wastewater: Exploring Pepper Mild Mottle Virus as a Process Indicator for Enteric Virus Removal, *17th International Symposium on Health-Related Water Microbiology*, Santa Catarina, Brazil, September 15-20, 2013.
74. **Verbyla, M.E.**, Oakley, S.M., Iriarte, M., Lizima, L.A., Zhang, J., Tejada-Martinez, A.E., Mihelcic, J.R. The removal of Taenia and Ascaris eggs from waste stabilization ponds and the impact of pond hydraulics, *10th IWA Specialist Group Conference on Ponds Technology: Advances and Innovations in Wastewater Pond Technology*, Cartagena, Colombia. August, 19-22, 2013.

75. **Cornejo, P.K.**, Zhang, Q., Mihelcic, J.R. Life-cycle assessment of wastewater treatment and resource recovery strategies in a developing world setting, *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*, Golden, CO, July 14-16, 2013.
76. **MacCarthy, M.F.**, Bryant, C.A., Annis, J.E., Mihelcic, J.R. Household water provision for developing communities: assessing self supply practices with a social marketing framework, *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*, Golden, CO, July 14-16, 2013.
77. **Mihelcic, J.R.** (*invited*) Estimating Greenhouse Gas Emissions and Carbon Footprint from Water Reuse, *Industrial Water Use and Reuse Workshop*, AIChE Institute for Sustainability, San Antonio, Texas, April 30 – May 2, 2013.
78. **Zhang, Q.**, **Hokanson, D.R.**, Cornejo, P.K., Santana, M.V. Feasibility Study on Model Development to Estimate and Minimize Greenhouse Gas Concentrations and Carbon Footprint of Water Reuse and Desalination Facilities, *17th Annual Water Reuse & Desalination Research Conference*, Phoenix, Arizona, May 6-7, 2013.
79. **Mihelcic, J.R.** (*invited*) Water Reuse, Water and Sanitation Division of the Inter-American Development Bank, Nassau, Bahamas, April 15 - 17, 2013.
80. **Santana, M.V.**, Zhang, Q., Mihelcic, J.R. Effect of Urbanization on the Embodied Energy of Water Treatment in the City of Tampa, **2013 Engineering Sustainability**, April 7-9, Pittsburgh, PA,
81. **Cornejo, P.K.**, Mihelcic, J.M., Hokanson, D.R., Zhang, Q. Estimating the Carbon Footprint of Water Reuse and Desalination Facilities, poster presentation at *22nd Annual Southwest Florida Water Resources Conference*, Fort Meyers, Florida, January 25-26, 2013.
82. **Mihelcic, J.R.** (*invited*) The Last Taboo: Research Related to the Global Sanitation Crisis, University of California-Irvine, November 9, 2012.
83. **Mihelcic, J.R.**, (*invited*) Greening the Gray: Envisioning what our urban-water infrastructure should be Urban Water Management Distinguished Lecture Series, Colorado School of Mines, November 8, 2012.
84. **MacCarthy, M.F.**, Mihelcic, J.R. Accelerating Self Supply: The Potential of the EMAS Pump in Improving Access to Household Water Supply in Sub-Saharan Africa, *2012 Water and Health Conference: Science, Policy and Innovation*, Chapel Hill, NC, October 29 – November 2, 2012.
85. **Mihelcic, J.R.** (*invited*) Undaunted Courage: Environmental Engineering and the Opening of a New Frontier, *Frontiers in Environmental Engineering Education Conference*, St. Louis, MO, October 18-19, 2012.
86. **Mihelcic, J.R.** (*invited*) Engineering in a Rural Development Context, California State University – Chico, October 11, 2012.
87. **Mihelcic, J.R.** (*invited*) The Last Taboo: Research Related to the Global Sanitation Crisis, University of Nevada-Reno, October 5, 2012.
88. **Cornejo, P.K.**, Zhang, Q., Mihelcic, J.R. Embodied Energy and Carbon Footprint of Wastewater Treatment Infrastructure: Water Reuse and Energy Recovery in Rural Bolivia, *WEFTEC 2012, The 85nd Annual Water Environment Federation Technical Exhibition and Conference*, New Orleans, September 29 – October 3, 2012.
89. **Mihelcic, J.R.** (*invited*) The Day After Tomorrow: Changing Our View of Education, Bucknell University, April 12, 2012
90. **MacCarthy, M.F.**, J.W. Buckingham, J.R. Mihelcic, Household Water Supply Technologies for Increasing Access to Domestic Water Supplies in Rural Bolivia, oral presentation at *6th Rural Water Supply Network Forum*, Kampala, Uganda, November 29 - December 1, 2011.
91. **Schweitzer, R.W.**, J.R. Mihelcic, Sustainability of Community Managed Rural Water Systems in the Developing World, oral presentation at *6th Rural Water Supply Network Forum*, Kampala, Uganda, November 29 - December 1, 2011.
92. **Ness, S.J.**, D. Renzi, R. Schweitzer, S.K. Hayman, D. Peabody, P.K. Cornejo, J.A. Novoa, J. Annis, L. Barrett, and J.R. Mihelcic, Assessment of Four Point-of-Use Water Treatment Filters Designed for Households in Developing Countries, oral presentation at *2011 OU International WaTER Conference*, Norman, OK, October 24-25, 2011.
93. **MacCarthy, M.F.**, J.D. Carpenter, D.W. Bales, S.M. Dean, J.R. Mihelcic, Manual Water Well Drilling in Development, Research and Teaching, oral presentation at *2011 OU International WaTER Conference*, Norman, OK, October 24-25, 2011.
94. **Verbyla, M.**, S. Oakley, J.R. Mihelcic, The Feasibility of Reusing Wastewater Effluents from Two Stabilization Pond Systems in Bolivia with Different Methods of Primary Treatment, oral presentation at *Water and Health: Where Science Meets Policy Conference*, Chapel Hill, NC, October 4-6, 2011.

95. **Mihelcic, J.R.** (Panel Chairs: G.D. Downey & K. Beddoes) What Is Global Engineering Education For? The Making of International Educators, *2011 Frontiers in Education Conference*, Rapid City, South Dakota, October 12 - 15, 2011.
96. **Mihelcic, J.R.** (*invited*) The Day After Tomorrow: Changing Our View of Education *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*. Tampa, FL, July 10-12, 2011.
97. **Fry, L.M., J.R. Mihelcic, D.W. Watkins,** Climate Change and Development Impacts on the Sustainability of Spring-Fed Water Supply Systems in the Alto Beni Region of Bolivia, oral presentation at *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*, Tampa, FL, July 10-12, 2011.
98. **MacCarthy, M.F., J. Carpenter, D. Bales, S. Dean, J.R. Mihelcic,** Manual Drilling of Water Wells: Use in International Development, Academic Research, and Teaching, poster presentation at *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*, Tampa, FL, July 10-12, 2011.
99. **Schweitzer, R. P.K. Cornejo, S.K., Hayman, D. Peabody, D. Lantange, J.R. Mihelcic.** A Long-Term Study of Microbial Efficacy and User Acceptability of Two Ceramic Water Filter Designs used in the Dominican Republic, poster presentation at *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*, Tampa, FL, July 10-12, 2011.
100. **Wright Wendel, H.E.,** Nachabe, M., Mihelcic, J. R. Impacts of Spatial and Temporal Scenarios related to Urbanization and Climate on Hydrology in a Rapidly Developing Latin American City, Poster presented at the *Association of Environmental Engineering and Science Professors (AEESP) Education and Research Conference*. Tampa, FL, July 10-12, 2011.
101. **Wright Wendel, H.E.,** Downs, J.A., Mihelcic, J.R. Improving Urban Quality of Life by Enhancing Access to Unconventional Green Spaces and Water Infrastructure, Oral presentation at the *2011 IWA Cities of the Future Conference*. Stockholm, Sweden, May 22-25, 2011.
102. **Mihelcic, J.R.** (*invited*) The Last Taboo: Research Related to the Global Sanitation Crisis, presentation at Georgia Institute of Technology, Atlanta, GA, February 15, 2011.
103. **Pfister, A., Mattus, J.,** Wright Wendel, H.E., Hoyt, A, Mihelcic, J.R. Investigating the Role of Green Space in Mitigating Negative Impacts of Urbanization in Santa Cruz, Paper presented at the *5th International Conference on Social Science Research*. New Orleans, LA, Sept. 23-25, 2010.
104. **Wright Wendel, H. E.,** Mihelcic, J.R. (2010). Urbanization and Green Space Accessibility in the Rapidly Growing Developing World City of Santa Cruz, Bolivia, oral presentation at the *Society for Applied Anthropology Annual Meeting*, Merida, Mexico, March 24-27.
105. **Rocha, A. M.,** W. Hendrix, M. C. Schmidt, J. R. Mihelcic, and N. F. Samatova. Systems biology approach to discovery of phenotype-specific metabolic processes for engineering bacterial bio-hydrogen, *Scientific Discovery through Advanced Computing Program (SciDAC) Conference*, Chattanooga, Tennessee, July 11-15, 2010.
106. **Schweitzer, R.W.,** Mihelcic, J.R., Assessing Sustainability of Community-Managed Rural Water Supply Systems, *WEFTEC 2010, The 83rd Annual Water Environment Federation Technical Exhibition and Conference*, New Orleans, LA, October 2-6, 2010.
107. **Vanasupa, L., Mihelcic, J.R., Rocha, A.** Workshop: Integrating Sustainability into Courses: Principles and Tools to Expand Your Educative Capacity, 2010 Society for Advancement of Chicanos and Native Americans in Science (SACNAS) National Conference, Anaheim, CA, October 2, 2010.
108. **Naughton, C.,** Meeks, J., Mihelcic, J.R., (*invited*) Developing Global Partnerships to Achieve a Sustainable Water Supply: The Peace Corps Master's International Program, *Second Annual Civil Engineering Conference: International Conference on Sustainable Urban Water Supply in Developing Countries*, University of Ilorin, Ilorin, Nigeria, July 26 – 28, 2010.
109. **Shaw, R., Meeks, J.,** C. Naughton, Mihelcic, J.R., (*invited*) Sustainable Reuse of Human Urine as a Source of Nitrogen and Phosphorus, *Second Annual Civil Engineering Conference: International Conference on Sustainable Urban Water Supply in Developing Countries*, University of Ilorin, Ilorin, Nigeria, July 26 – 28, 2010.
110. **Rocha, A.M.,** Hendrix, W., Schmidt, M.C., Mihelcic, J.R., Samatova, N.F., Systems Biology Approach to Discovery of Phenotype-Specific Metabolic Processes for Engineering Bacterial Bio-Hydrogen, poster presentation, *Scientific Discovery through Advanced Computing (SciDAC) Workshop 2010*, Oak Ridge, TN, July 11-15 in Chattanooga ,TN, July 11-15, 2010

111. **Zhang, Q.**, L. Vanasupa, Development and Dissemination of Learning Suites for Sustainability Integration in Engineering Education, *2010 Annual American Society of Engineering Education (ASEE) Conference & Exposition*, Louisville, KY, June 20-23, 2010.
112. **Mihelcic, J.R.** (*invited*) Water and Sanitation in the World's Cities: Global Challenges in a Dynamic World, Engineering at the Interface Colloquium, University of Georgia, Athens, GA, January 28, 2010.
113. **Fry, L.M.**, D.W. Watkins, J.R. Mihelcic and N. Reents. Implications of agricultural land use for sustainability of gravity fed water distribution systems relying on natural springs in the Alto Beni Region of Bolivia, American Geophysical Union Fall Meeting 2009. San Francisco, CA, December 14-18, 2009.
114. **Rowe, M.D.**, L.M. Fry and J.R. Mihelcic. Low-Cost Sensor Network for Stream Flow Monitoring in the Alto Beni Region of Bolivia American Geophysical Union Fall Meeting, San Francisco, CA, December 14-18, 2009.
115. **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.
116. **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.
117. **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.
118. 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.
119. **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.
120. **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.
121. **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.
122. 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.
123. **Wright Wendel, H. E.**, Mihelcic, J. R. Evaluating the Social, Economic, and Environmental Drivers of Urban Brownfields Redevelopment in Santa Cruz, Bolivia. Paper presented at the *Ecosystems and Sustainable Development VII*, Chianciano Terme, Italy, July 8-10, 2009.
124. **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.
125. **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.
126. 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.
127. **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.
128. **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.
129. **Mihelcic, J.R.**, (*invited*) The Right Thing to Do: Humanitarian and Sustainable Development

- Engineering, University of Illinois, Champaign-Urbana, April 24, 2009.
130. 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.
 131. **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.
 132. **Mihelcic, J.R.** (*invited*) Global Water Challenges and Solutions, *8th Annual International Studies Schools Association (ISSA) Meeting*, Tampa, Florida, January 17-19, 2009.
 133. **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.
 134. **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
 135. **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.
 136. **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.
 137. **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.
 138. **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.
 139. 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 Science Meets Policy*, Chapel Hill, NC, November 5-6, 2008.
 140. **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.
 141. **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.
 142. 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.
 143. **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.
 144. **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.
 145. **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.
 146. **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.
 147. **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.
148. **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.
 149. **Mihelcic, J.R.**, (invited) The Sustainable Revolution: Challenges or Opportunities, North Carolina State University, Raleigh, NC, April 28, 2008.
 150. **Mihelcic, J.R.**, (invited) The Sustainable Revolution: Challenges or Opportunities, University of South Florida, Tampa, FL, January 28, 2008.
 151. 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.
 152. **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.
 153. **Fuchs, V.J.**, J.S. Gierke, J.R. Mihelcic, Hydraulic Model Comparison of Vertical-Flow Regimes in Constructed Wetlands, *80th Annual Water Environment Federation Conference & Exposition*, October 13-17, 2007.
 154. **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.
 155. **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.
 156. **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.
 157. **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.
 158. **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.
 159. **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.
 160. **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.
 161. **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.
 162. **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.
 163. **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.
 164. **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.
 165. 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.

166. **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.
167. **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.
168. **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.
169. **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.
170. 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.
171. 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.
172. **Mihelcic, J.R.** (*invited*), Graduate Engineering Programs in Sustainable Development, *Engineers for a Sustainable World - National Conference*, Iowa City, IA, September 27-30, 2006.
173. **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.
174. **Mihelcic, J.R.** (*invited*), Engineering Sustainable Development: Service, Education, Research, University of Virginia, Charlottesville, VA, March, 2006.
175. **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.
176. **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.
177. **Mihelcic, J.R.** (*invited talk*), Engineering Sustainable Development: Service, Education, Research, University of Oklahoma, Norman, OK, April 21, 2006
178. **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.
179. **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.
180. **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.
181. **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.
182. **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.
183. **Mihelcic, J.R.** (*invited*), Engineering in the Developing World. University of Canterbury, Christchurch, New Zealand, May 27, 2004.
184. **Mihelcic, J.R.** (*invited*), Sustainability Science and Engineering: Emergence of a New Metadiscipline, University of Canterbury, Christchurch, New Zealand, May 7, 2004.

185. **Mihelcic, J.R.** (*invited*), The Emerging Global Water Crisis, University of Colorado-Boulder, Boulder, CO, September 28, 2003.
186. **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.
187. 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.