

ABET FACULTY VITAE (2 Page)

Name: John L. Daniels

Education:

- D. Eng., Civil Engineering, University of Massachusetts Lowell, 2001
- M.S.C.E., Civil Engineering, University of Massachusetts Lowell, 1998
- B.S.C.E., Civil Engineering, Lehigh University, 1996

Academic Experience:

- UNC Charlotte, Professor, Department Chair Civil and Environmental Engineering, 2014 – Present, Full-Time
- UNC Charlotte, Associate Professor and Interim Chair, 2012 – 2014, Full-Time
- UNC Charlotte, Associate Professor, 2010 – 2012, Full-Time
- UNC Charlotte, Associate Professor, 2007 – 2010, Part-Time
- UNC Charlotte, Assistant Professor, 2001 – 2007, Full-Time
- UNC Charlotte, Visiting Assistant Professor, 2001, Full-Time

Non-Academic Experience:

- S&ME, Inc., URS Corp. (now AECOM), HDR, Inc., Duke Energy, Industry Subcontractor, Laboratory/field testing and groundwater modeling, 2002 – Present, Part-Time
- NSF, Directorate for Engineering, Division of Civil, Mechanical and Manufacturing Innovation (CMMI), Program Director, Geomechanics and Geomaterials (GEO MM) and Geotechnical Engineering Programs (GTE), 2009-2010
- NSF, Division of Engineering Education and Centers, Program Director and AAAS Science and Technology Policy Fellow, 2007-2009
- TRC Companies, Inc., part-time, Project Engineer, 1999-2000

Certifications or Professional Registrations:

- Registered Professional Engineer, State of North Carolina, License No. 028018

Current Membership in Professional Organizations:

- American Society of Civil Engineers (Grade: Member)
- National Society of Professional Engineers
- American Society for Engineering Education
- American Association for the Advancement of Science
- ASTM International

Honors and Awards:

- Outstanding Technical Achievement Award, Professional Engineers of North Carolina, 2015
- Awarded Young Engineer of the Year, Professional Engineers of North Carolina, 2006
- Service Medal, International Society of Environmental Geotechnology, August 2005
- Recipient of a Certificate in recognition of contributions to the International Society of Environmental Geotechnology, July 2002

Service Activities (Within and Outside of the Institution):

- Journal of Waste Management & Research (WMR), as part of the International Solid Waste Association (ISWA), Term: 2006 – Present
- Coal Combustion and Gasification Products Journal, Term: 2015 – Present

Select Publications and Presentations (Last Five Years):

1. Daniels, J.L. (2016). William & Mary Environmental Law and Policy Review, Volume 40, “Coal Ash and Groundwater: Past, Present and Future Implications of Regulation”, accepted.
2. Jordan, C.S., Daniels, J.L., Langley, W, (2016) “The Effects of Temperature and Wet-Dry Cycling on Water Repellent Soils”, Environmental Geotechnics, Institution of Civil Engineers Publishing, United Kingdom
3. Daniels, J.L. (2015). “Coal and Sustainable Development” International Conference on Infrastructure Development for Environmental Conservation and Sustenance (INDECS-15), Adhiyamaan College of Engineering, Hosur, India, October 28-30, 2015, pp. 16-20.
4. Wu, J., Tang, C., Gao, L., Jiang, H. and Daniels, J.L. (2014) “Effect of ground covers on soil temperature in urban and rural areas” Environmental and Engineering Geoscience 20 (3), 225-237.
5. Bowers, B.F., Daniels, J.L. and Anderson, J. B. (2014) “Field Considerations for Calcium Chloride Modification of Soil-cement” Journal of Materials in Civil Engineering 26 (1), 65-70.
6. Daniels, J.L. and Das, G. (2014) Practical Leachability and Sorption Considerations for Ash Management. Geo-Congress 2014 ASCE Reston/VA, pp. 362-376.
7. Lei, S., Daniels, J.L. and Bowers, B.F. (2013) “Tube suction test for evaluating moisture susceptibility resulting from calcium chloride” Geotechnical Practice Publication Geomechanics and Transportation Geotechnology, ASCE Reston/VA, pp. 76-82.
8. Bowers, B.F., Daniels, J.L., Lei, S. and DeBlasis, N.J. (2013) “Additives for soil-cement stabilization” Geotechnical Practice Publication Geomechanics and Transportation Geotechnology, ASCE Reston/VA pp. 68-75.
9. Daniels, J.L. (2012) “Science and Engineering Education: A Perspective from the U.S. National Science Foundation” Southeast University, Nanjing, China, G.C. Sih and A.Q. Li, Eds., pp. 81-107., Global Sciencetech Publishing Company, ISBN 978-0-615-57310-6
10. “North Carolina's Unprecedented Scope, Schedule, and Scrutiny: Update and Insights for the Industry” Workshop on Current Issues in Poned CCP's, American Coal Ash Association, Tampa Bay, Florida, February 4, 2016
11. Live and recorded webcast “Coal Ash Management: An Update” Environmental Science for Attorneys, North Carolina Bar Association Foundation, Cary, North Carolina, January 28, 2016.
12. Keynote Address: “Coal, Coal Ash, And Sustainability” 56th Annual Foundation Day, Workshop on Recent Trends in Construction Industry, Samrat Ashok Technological Institute, Vidisha, Madhya Pradesh, India, November 3, 2015.

Recent Professional Development Activities:

- Participation in American Coal Ash Association meeting, February 2-4, 2016