

Amy B. Cerato, Ph.D., P.E.

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Academic Employment

Assistant Professor of Civil Engineering, University of Oklahoma – Norman (1/05 – current)
American Association for University Women (AAUW) Selected Professions Fellow (7/04-6/05)
Research Assistant, Civil Engineering, University of Massachusetts (6/99-9/04)

Education

Ph.D. Geotechnical Engineering	University of Massachusetts-Amherst, Massachusetts: (2005)
M.S. Geosciences	University of Massachusetts-Amherst, Massachusetts: (2004)
M.S.C.E. Civil Engineering	University of Massachusetts-Amherst, Massachusetts: (2001)
B.S.C.E. Civil Engineering	Lafayette College, Easton, Pennsylvania: (1999)

Professional Awards and Honors

2009 Presidential Early Career Award for Scientists and Engineers (PECASE)
2009 Alumni Teaching Award (top 10% Fall '08 course evaluations in OU College of Engineering)
2008 National Science Foundation (NSF) CAREER Award
2008 George W. Tauxe Outstanding Professor Award (awarded by the OU-CEES students)
2008 Graduate College Special Recognition for Outstanding Efforts in Graduate Recruiting
2005 Junior Faculty Research Program Award
2004 American Association for University Women (AAUW) Selected Professions Fellowship
2004 Society of Women Engineers (SWE) Past Presidents Scholarship
2004 UMass – Amherst Geotechnical Engineering Fellowship
2003 Association for Women in Science (AWIS) Predoctoral Certification of Merit
2002 Trent R. Dames and William W. Moore Fellowship (ASCE)
2001 National Fraternity Graduate Fellowship
2001 UMass – Amherst Geotechnical Service Award
2001 National Science Foundation Graduate Fellowship - Honorable Mention

Research Related Experience

Grants

National/International Grants

REU Site: Sustainable Infrastructure Technologies National Science Foundation (NSF); 45% credit, \$284,727 total; with K. Strevett (PI); 6/1/09-5/31/12. **(active)**
NEESR-SG: Understanding and Improving the Seismic Behavior of Pile Foundations in Soft Clays, National Science Foundation (NSF); 20% credit, \$1,151,514 total; with K. Muraleetharan (PI), G. Miller; 10/1/08-9/30/12. **(active)**
CAREER: The Role of Specific Surface Area and Cation Exchange Capacity in Understanding and Predicting Expansive Soil Behavior. National Science Foundation (NSF). **PI**; 100% credit, \$406,000 total, 2/1/08-1/31/13. **(active)**

REU Site: Sustainable Technologies for Infrastructure and the Environment, National Science Foundation (NSF); 23% credit, \$293,279 total; with K. Strevett (PI); 3/15/06-3/14/10. **(active)**

American Association for University Women (AAUW) Selected Professions Fellow: **PI**: 100% credit, \$20,000 total, 7/04-6/05. **(completed)**

State Grants

Oklahoma Transportation Fellows Program, Oklahoma Transportation Center Research, Education and Outreach Support (OTC-REOS); **PI**: 90% credit, \$150,000 total; with K. Horne; 8/1/09-7/31/2012 **(active)**

Calcium-Based Stabilizer Induced Heave in Oklahoma Sulfate-Bearing Soils, Oklahoma Department of Transportation; **PI**: 40% credit, \$203,810 total; with G. Miller and M. Elwood-Madden; 10/1/08-9/30/10 **(active)**

Validation and Refinement of Chemical Stabilization Procedures for Pavement Subgrade Soil in Oklahoma, Oklahoma Department of Transportation (ODOT); **PI**: 50% credit; \$318,317 total; with G. Miller; 10/1/07-9/30/10. **(active)**

Evaluation and Field Verification of Strength and Structural Improvement of Chemically Stabilized Subgrade Soil, Oklahoma Department of Transportation (ODOT); 50% credit, \$82,854 total; with G. Miller (PI); 10/01/06-9/30/08. **(completed)**

Design of Small Wind Turbine Foundation Elements, Oklahoma Center for the Advancement of Science and Technology (OCAST); **PI**: 100% credit, \$90,000 total; 8/1/06-7/31/08. **(completed)**

Heave in Sulfate-Bearing Oklahoma Soils Due to Lime Stabilization, Oklahoma Transportation Center (OTC); 50% credit, \$79,923 total; with G. Miller (PI); 5/15/06-12/31/07. **(completed)**

University Grants

Presidential International Travel Fellowship – Recruiting and Maintaining Viable Research Relations with Blaise-Pascal University, Clermont-Ferrand, France \$1,000, 8/30-9/6/2008

Travel Grant from the Vice President for Research – Recruiting and Maintaining Viable Research Relations with Blaise-Pascal University, Clermont-Ferrand, France \$1,200, 8/31-9/6/2006 **(completed)**

Junior Faculty Research Program Award - “Scale Effects in Triaxial Compression Testing using Granular Material.” PI (100%): \$6,000, Summer 2005 **(completed)**

Supervision of Students

Doctoral Thesis Advisees (1 in progress)

- Botao Lin (May 2011): *Predicting Expansive Soil Behavior Using Micro-scale Properties*

Masters Thesis Advisees (5 in progress)

- Russell Buhler (December 2009): *Alternative Foundations for Small Wind Towers*
- Nick Hussey (December 2009): *Evaluation of the Strength of Chemically Stabilized Soils*
- Michaela Campbell (May 2010): *Improved Sulfate Extraction Methods for Soils*
- Eric Holderby (August 2010): *Field Verification of Stabilized Soil Strength and Stiffness*
- Wassim Tabet (December 2010): *Compressibility versus Scale Effect of Soil Clods in Triaxial Compression*

Masters Thesis Advisees (4 completed)

- Amanda Adams (May 2008): *Sulfate Induced Heave in Lime Stabilized Soils*
- Rory Victor (May 2008): *Helical Anchors as Wind Tower Guyed Cable Foundations*
- Diana Vargas (November 2007): *Scale Effects of Triaxial Compression Tests on Granular Material*
- Jumanah Hajjat (August 2007): *The Influence of Structure on One-Dimensional Volume Change of Compacted Soil*

Undergraduate Research Advisor (24)

NSF Research Experience for Undergraduates (REU) Program (10 total; 7 women, 3 men)

- Jacob Grasmick (2009): *Evaluation of the Strength of Chemically Stabilized Subgrade Soil*, OU
- Eric Holderby (2008): *Evaluation of the Strength of Chemically Stabilized Subgrade Soil*, OU
- Michael McLean (2008): *pH as a Predictor of Soil Stabilization*, Citadel
- Jessie Cunningham (2007): *Evaluation and Field Verification of the Strength of Chemically Stabilized Subgrade Soil*, Clarkson University
- Janessa Rosales (2007): *Evaluation and Field Verification of the Strength of Chemically Stabilized Subgrade Soil*, University of California, Bakersfield
- Ondra Dukes (2006): *Assessing Sulfate Induced Heave due to Lime Stabilization*, Old Dominion University
- Rachael Oleski (2005): *Characterizing and Mitigating Oklahoma Landslides*, Lafayette College
- Caitlin Puklin (2005): *Characterizing and Mitigating Oklahoma Landslides*, Princeton University
- Ninfa Harrington (2002): *Physical and Geochemical Properties of Piedmont Residual Soils*, UMass
- Perry Stover (2001): *Direct Shear Testing of Sands*, UMass

Honors Thesis

- Amanda Adams (2006): *Study of Sulfate Induced Heave in 1-D Consolidation Tests*, OU
- Rachael Oleski (2006): *Effect of Carbonates on Shear Strength in Clays*, Lafayette College

Honors Research Assistant Program (HRAP)

- Daniel Bolgren (2005): *Mineralogy of Boston Blue Clay*

Undergraduate Research Assistants

- Jacob Grasmick (2009-current); Michaela Campbell (2008-09); Eric Holderby (2008-09); Wassim Tabet (2006-09); Mark Emde (Spring 2008); Russell Buhler (2005-2008); Marty Farris (Summer 2007); Carlos Guzman (Fall 2006); Rory Victor (2006-07); Amanda Adams (2006-07); Paul Romero (2005-06); Richard Starks (2005-06); Lauren Parrish (2005).

Education Related Experience

<i>Teaching @ OU</i>	<u>Enrollment</u>	<u>I</u>	<u>D</u>	<u>C</u>
Foundation Engineering (Spring 2009) – CEES 4333G	23	4.6	4.2	4.2
Soil Mechanics (Fall 2008) – CEES 3364	43	4.7	4.4	4.2
Engineering Geology (Spring 2008) – CEES 5020.900	9	4.7	4.3	4.2
CE Measurements (Spring 2008) – CEES 3334	34	4.5	4.3	4.2
Soil Mechanics (Fall 2007) – CEES 3364	40	4.5	4.4	4.1
Foundation Engineering (Spring 2007) – CEES 5333	9	4.7	4.2	4.1
CE Measurements (Spring 2007) – CEES 3334	51	4.0	4.2	4.1
Soil Mechanics (Fall 2006) – CEES 3364	37	4.3	4.3	4.0
Foundation Engineering (Spring 2006) – CEES 5333	21	4.6	4.4	4.1
CE Measurements (Spring 2006) - CEES 3334	35	4.2	4.4	4.1
Soil Mechanics (Fall 2005) - CEES 3364	39	4.0	4.3	4.1
Foundation Engineering (Spring 2005) - CEES 5333	7	4.8	4.4	4.1

Scale: 5 to 1, Excellent to Poor; I = Individual Score, D = Departmental Average, C = College Average

Teaching/Laboratory Assistant @ UMass

- In Situ Testing Techniques in Geotechnical Engineering (Fall 2002, 2003) – CEE 625
- Civil and Environmental Engineering Measurements (Spring 2001) – CEE 121
- Society of Women Engineers (SWE) Student Tutor (Fall 1999 - May 2004)

Industry Related Experience

- Geotechnical Engineer:** Federal Highway Administration (FHWA), McLean, VA
June 2000 - May 2004
- Geotechnical Engineer:** TerraTech Engineering, Shutesbury, MA
June 2000 - June 2001
- Civil Engineer:** Pietrzak and Pfau Engineering and Surveying, PLLC., Goshen, NY
Summer 1998

Publications and Presentations

Refereed Journal Publications (10)

Cerato, A.B., Miller, G.A. and Hajjat, J. (2009). The Influence of Clod-Size and Structure on Wetting-Induced Volume Change of Compacted Soil. ASCE Journal of Geotechnical and Geoenvironmental Engineering. Vol. 135, No. 11, pp. TBD

Cerato, A.B. and Victor, R. (2009). Effects of Long-Term Dynamic Loading and Fluctuating Water Table on Helical Anchor Performance for Small Wind Tower Foundations. ASCE Journal of Performance of Constructed Facilities. Vol. 23, No. 4, pp. 251-261.

Cerato, A.B. and Victor, R. (2008). Effects of Helical Anchor Geometry on Long-Term Performance for Small Wind Tower Foundations Subject to Dynamic Loads. The Journal of the Deep Foundations Institute (DFI), Vol. 2, pp. 30-41.

Chang, C.S., Cerato, A.B. and Lutenegeger, A.J. (2008). Modeling the Scale Effect of Granular Media for Strength and Bearing Capacity. International Journal of Pavement Engineering. *Special Issue on*

Unified Approach for Characterizing, Modeling and Simulating of Stone-Based Infrastructure Materials.

Cerato, A.B. and Lutenegeger, A.J. (2007). Scale Effects of Shallow Foundation Bearing Capacity on Granular Material. *Journal of Geotechnical and Geoenvironmental Engineering, ASCE*. Vol. 133, No. 10, pp. 1192-1202.

Cerato, A.B. and Lutenegeger, A.J. (2006). Bearing Capacity of Square and Circular Footings on a Finite Layer of Granular Soil Underlain by a Rigid Base. *Journal of Geotechnical and Geoenvironmental Engineering, ASCE*. Vol. 132, No. 11, pp. 1496-1501.

Cerato, A.B. and Lutenegeger, A.J. (2006). Specimen Size and Scale Effects of Direct Shear Box Tests of Sands. *Geotechnical Testing Journal, ASTM*. Vol. 29, No. 6, pp. 507-516.

Lutenegeger, A.J. and Cerato, A.B. (2005). Lenticular Truss Bridges of Massachusetts. *Civil Engineering Practice: Journal of the Boston Society of Civil Engineers Section/ASCE*. Vol. 20, No. 1, pp. 53-74.

Cerato, A.B. and Lutenegeger, A.J. (2004). Determining Intrinsic Compressibility of Fine-Grained Soils. *ASCE Journal of Geotechnical and Geoenvironmental Engineering*. Vol. 130, No. 8, pp. 872-877.

Cerato, A.B. and Lutenegeger, A.J. (2002). Determination of Surface Area of Fine-Grained Soils by the Ethylene Glycol Monoethyl Ether (EGME) Method. *Geotechnical Testing Journal (GTJ), ASTM*, Vol. 25, No. 3, pp. 315-321.

Refereed Conference Publications (15)

Puppala, A.J. and Cerato, A.B. (2009). Heave Distress Problems in Chemically-Treated Sulfate-Laden Materials. *GeoStrata*. Vol. 10, Issue 2, pp. 28-32.

Victor, R. and Cerato, A.B. (2008). Helical Anchors as Wind Tower Guyed Cable Foundations. *Proceedings of the 2nd British Geotechnical Association (BGA) International Conference on Foundations. ICOF2008*. . Brown M. J., Bransby M. F., Brennan A. J. and Knappett J. A. (Editors). Dundee, Scotland. June 24-27, 2008. Vol. 1, pp. 343-356.

Adams, A.G., Dukes, O.M., Tabet, W., Cerato, A.B. and Miller, G.A. (2008). Sulfate Induced Heave in Oklahoma Soils due to Lime Stabilization. *GeoCongress 2008: GSP 179, Characterization, Monitoring, and Modeling of GeoSystems*, New Orleans, LA, March 9-12, 2008, pp. 444-451.

Cerato, A.B., Hajjat, J. and Miller, G.A. (2008). The Influence of Structure on Wetting Induced One-Dimensional Volume Change of Compacted Soil. *GeoCongress 2008: GSP 178, Geosustainability and Geohazard Mitigation*, New Orleans, LA, March 9-12, 2008, pp. 287-294.

Miller, G.A., Cerato, A.B. and Khoury, C.N. (2007). Some Design Challenges for Fine-Grained Fill in Urban Environments. *Proceedings of the XIV European Conference on Soil Mechanics and Foundation Engineering (ECSMFE)*. Madrid, Spain, Sept. 24-27, 2007. Millpress, Rotterdam, Vol. 3, pp 1373-1378.

Cerato, A.B. and Nevels, J.B. (2007). Shallow Landslide Analysis: McCurtain County, Oklahoma. *Proceedings of the 1st North American Landslide Conference: Landslides and Society: Integrated Science, Engineering, Management, and Mitigation*. Vail, CO, June 3-8, 2007. CD Proceedings.

Buhler, R. and Cerato, A.B. (2007). Stabilization of Oklahoma Expansive Soils using Lime and Class C Fly Ash. *GeoDenver: New Peaks in Geotechnics*. GSP 162: Problematic Soils and Rocks and In Situ Characterization. Denver, CO, Feb. 18-21, 2007. CD Proceedings.

Cerato, A.B. and Lutenecker, A.J. (2006). Shrinkage of Clays. *Proceedings of the 4th International Conference on Unsaturated Soils*, Phoenix, AZ, April 2-6. GSP No. 147. Vol. 1, pp. 1097-1108.

Cerato, A.B., Oleski, R.C. and Puklin, C.C. (2006). Case Study: Compacted Embankment Landslide in Grady County, Oklahoma. *Proceedings of the 40th Annual Symposium on Engineering Geology and Geotechnical Engineering. Landslides – Investigation, Analysis and Mitigation*. Utah State University, Logan, Utah, May 24-26, 2006. CD Proceedings.

Cerato, A.B. and Lutenecker, A.J. (2005). Activity, Relative Activity and Specific Surface Area of Fine-Grained Soils. *Proceedings of the 16th International Conference on Soil Mechanics and Foundation Engineering, (ICSMGE)*, Osaka, Japan. Sept. 12-16. Vol. 2, pp. 325-328.

Cerato, A.B. and Lutenecker, A.J. (2004). Disturbance Effects of Field Vane Tests in a Varved Clay. *Proceedings of the 2nd International Conference on Site Characterization*. September 19-22, Porto, Portugal. Vol. 1, pp. 861-868.

Cerato, A.B. and Lutenecker, A.J. (2003). Scale Effects of Shallow Foundation Bearing Capacity on Granular Material. *Proceedings of the British Geotechnical Association (BGA) International Conference on Foundations*, September, 2-5, Dundee, Scotland. pp. 217-225.

Lutenecker, A.J., Cerato, A.B. and Harrington, N. (2003). Some Physical and Chemical Properties of Some Piedmont Residual Soils. *Proceedings of the 12th Panamerican Conference on Soil Mechanics and Geotechnical Engineering and the 39th U.S. Rock Mechanics Symposium*, Vol. 1, pp. 775-782.

Cerato, A.B. and Lutenecker, A.J. (2003). Model Footing Tests on a Finite Layer of Granular Soil. *Proceedings of the International Symposium on Shallow Foundations, FONDSUP 2003*. November 5-7, Paris, France. Vol. 1, pp. 155-162.

Lutenecker, A.J., and Cerato, A.B. (2001). Surface Area and Engineering Properties of Fine-Grained Soils. *Proceedings of the 15th International Conference of Soil Mechanics and Geotechnical Engineering (ICSMGE)*, Vol. 1, pp. 603-606.

Other Publications (4)

Cerato, A.B. (2008). Out of Classroom Engineering Work Helps Lead to CE Degree at the University of Oklahoma. *Foundation Drilling: ADSC, The International Association of Foundation Drilling*. Vol. 29, No. 7, pp. 46, 49.

Cerato, A.B. (2005). Scale Effects of Shallow Foundation Bearing Capacity on Granular Material (Abstract). *Geotechnical News*. Vol. 23, No. 2, pp. 51-52.

Yuretich, R.F., Bloom, J. and Cerato, A.B. (2004). Environmental Consequences of Acidic Drainage from Davis Pyrite Mine, Rowe, Massachusetts (Abstract). *Proceedings of the Geological Society of America (GSA) 39th Annual Northeastern Section and 53rd Annual Southeastern Section Joint Meeting*, March 25-27, Washington, D.C.

Cerato, A.B. (2002). Scale Effects of Shallow Foundation Design on Granular Material (Abstract). *Proceedings of the Northeast Geotechnical Graduate Research Symposium*, November 21, 2002, University of Massachusetts, Amherst.

Presentations

- Diversity in the GeoProfession. *IFCEE09*. Orlando, FL (March 2009)
- Creating Excitement for the GeoProfession through Competition: GeoChallenge. *IFCEE09*. Orlando, FL (March 2009)
- Effects of Long-Term Dynamic Loading and Fluctuating Water Table on Helical Anchor Performance for Small Wind Tower Foundations. *DFI Helical Foundations and Tiebacks Specialty Seminar*. Los Angeles, CA (Nov. 2008)
- Validation and Refinement of Chemical Stabilization Procedures for Pavement Subgrade Soils in Oklahoma. *ODOT-OTC Research Day*. OKC, OK (October 2008)
- Statistics for Engineers. *OU REU Site Program*. Norman, OK (June 2008)
- The Influence of Structure on Wetting Induced One-Dimensional Volume Change of Compacted Soil. *GeoCongress 2008*. New Orleans, LA (March 2008)
- Designing Small Wind Tower Guyed Cable Foundations Using Helical Anchors Subject to Dynamic Loads. *DFI Helical Foundations and Tiebacks Specialty Seminar*. New Orleans, LA (Nov. 2007)
- Civil Engineering at OU. *The 21st Century Woman: Tomorrow's Woman in Science, Engineering, and Mathematics Freshman Seminar*. OU. Norman, OK (Oct. 2007)
- Research Experience for Undergraduates (REU) at OU. *Engineering Education National Science Foundation (NSF) Awardees Conference*. Washington, DC (Sept. 2007)
- Utilizing Corporate Graduate Fellowships to Strengthen Geotechnical Engineering Graduate Studies at OU. *Terracon*. OKC, OK (Sept. 2007)
- Graduate Student Recruiting. *Graduate College Graduate Enrollment Management (GrEM) Kick-off Seminar*. Norman, OK (Sept. 2007)
- Graduate Student Recruiting. *2007 CoE Director's Retreat*. OKC, OK (Aug. 2007)
- Shallow Landslide Analysis. *1st North American Landslide Conference*. Vail, Colorado (June 2007)
- Careers in Civil Engineering. *SWE Highschool Girls Day*. OU. Norman, OK. (March 2006, 2007; April 2008, March 2009)
- Stabilization of Oklahoma Expansive Soils using Lime and Class C Fly Ash. *GeoDenver*. Denver, Colorado (Feb. 2007)
- Hurricane Protection System (HPS) Breaches in New Orleans, LA. *OU Honors College Renaissance Project: Science, Technology and Ethics*. (Sept. 2006)

- Compacted Embankment Landslide in Grady County, Oklahoma. *40th EGGE*. Logan, UT (May 2006)
- Shrinkage of Clays. *UNSAT '06*. Carefree, Arizona (April 2006).
- Mineralogical Study of Davis Mine, Rowe, Massachusetts using X-Ray Diffraction Techniques. *Geosciences Professional Seminar*, UMASS-Amherst (October 2003).
- Scale Effects of Shallow Foundation Bearing Capacity on Granular Material. *British Geotechnical Association (BGA) International Conference on Foundations*, University of Dundee, Scotland (September 2003)
- Some Physical and Chemical Properties of Some Piedmont Residual Soils. *12th Pan-American Conference on Soil Mechanics and Geotechnical Engineering*, MIT (June 2003)
- Scale Effects of Shallow Foundation Design on Granular Material. *Northeast Geotechnical Graduate Research Symposium*, UMASS-Amherst (November 2002)
- Graduate Studies at the University of Massachusetts, Amherst. *Lafayette College*. (October 2000, 2001 and 2002).

Professional Contributions

Certifications

Licensed Professional Engineer, PE; Oklahoma License #23099

Professional Affiliations

American Society of Civil Engineers: 1998 - current

Society of Women Engineers: 2001 - current

Chi Epsilon: 2002 - current

Geo-Institute: 2004 - current

American Society of Engineering Education: 2005 – current

USUCGER Member: 2005 – current

American Association of University Women (AAUW): 2007 - current

Professional Leadership/Service

Department, College and University Service

CEES: Graduate Studies Committee (8/09 - Current)
Scholarship Committee (1/05 – Current)

College: CoE Graduate Student Recruiting (8/07-current)

University: Provost's Advisory Committee on Women's Issues (PACWI)
(8/07-Current)
Advisory Committee for the University Vice President for Research (AC/VPR)
(9/07-Current)
Graduate College's, Graduate Enrollment Management (GrEM) (8/07-Current)

National Service

Board Member: United States Universities Council on Geotechnical Education and Research (USUCGER) (1/09- Current)

Member: ASCE GeoInstitute Committee on Engineering Geology and Site Characterization
(1/05 – Current)

Member: USUCGER (1/05 – Current)

Invited Reviewer

Journal Reviewer

ASCE, Journal of Geotechnical and Geoenvironmental Engineering
ASTM, Geotechnical Testing Journal
Geotechnique
Canadian Geotechnical Journal
International Journal for Numerical and Analytical Methods in Geomechanics
Scientia Iranica

Conference Reviewer

ASCE, IFCEE09, 2009
ASCE, GeoCongress Conference, 2008
GeoInstitute/AEG, 1st North American Landslide Conference, 2007
ASCE, GeoDenver Conference, 2007
ASCE, 4th International Conference on Unsaturated Soils, 2006
ASCE, Geo-Frontiers Conference, 2005

Research Panel Reviewer

National Science Foundation, Civil and Mechanical Systems, Geomechanics and
Geotechnical Systems, Annual Open Solicitation Proposal Panel Review ('05, '08)
Kansas Transportation Research Institute (TRI) ('07)

Conference Session Organizer

Cerato, A.B. and Puppala, A. (2009). "Engineering Geology and Site Characterization: Foundations in Problematic Soils." International Foundation Engineering Congress & Equipment Expo (IFCEE09), Orlando, FL March 15-19, 2009.

Hoyos, L. and Cerato, A.B. (2008). "Engineering Geology and Site Characterization Minisymposium: Characterization of Problematic Soils and Rocks." GeoCongress, New Orleans, LA. March 9-12, 2008.

Conference Session Moderator

Cerato, A.B. (2009). "Foundations in Problematic Soils." International Foundation Engineering Congress & Equipment Expo (IFCEE09), Orlando, FL March 15-19, 2009.

Hoyos, L. and Cerato, A.B. (2008). "Engineering Geology and Site Characterization Minisymposium: Characterization of Problematic Soils and Rocks." GeoCongress, New Orleans, LA. March 9-12, 2008.

Puppala, A and Cerato, A.B. (2007). "Engineering Geology and Site Characterization Minisymposium: In situ Methods for Site Characterization." GeoDenver, Denver, CO. Feb. 20, 2007.

Delage, P. and Cerato, A.B. (2006). "Session P1: Laboratory Studies: Volume Change." 4th International Conference on Unsaturated Soils. Carefree, AZ. April 3, 2006.