

ABET FACULTY VITAE (2 Page)

Name: David Young

Education:

- Ph.D., Civil Engineering, Virginia Polytechnic Inst. & State University, 1985
- M.S., Civil Engineering, Clemson University, 1979
- B.S., Civil Engineering, Clemson University, 1974

Academic Experience:

- UNC Charlotte, Professor, 2004 – Present, Full-Time
- UNC Charlotte, Associate Professor, 1991 – 2004, Full-Time
- UNC Charlotte, Assistant Professor, 1985 – 1991, Full-Time
- UNC Charlotte, EPIC Center, Associate Director, 2012 – Present, Full-Time
- UNC Charlotte IDEAS Center, Interim Director, 2012 – 2013
- UNC Charlotte, Civil and Environmental Engineering Department Chair, 1994 – 2012
- UNC Charlotte Campus-Wide INES PhD Program Director, 2005-2012

Non-Academic Experience:

- Olver, Inc., Design Engineer, August 1983 - July 1985, Part-Time
- Hancock, Inc., Design Engineer, August 1982 – July, 1983, Part-Time
- Piedmont Engineers, Architects, Planners; Design Engr. and PM, Sept. 1979 - July 1982, Full-Time
- Texidyne, Inc., Project Engineer, August 1976 - August 1979, Full-Time
- Wilbur Smith and Associates, Design Engineer, May 1974 - July 1976, Full-Time

Certifications or Professional Registrations:

- Professional Engineer registration: NC and SC

Current Membership in Professional Organizations:

- American Society of Civil Engineers (ASCE), S. Branch of NC, Member, 1985 - Present
- National Society of Professional Engineers (NSPE), South Piedmont of NC, Member, 1985 - Present
- American Society of Engineering Education (ASEE), Member, 1985 – Present

Honors and Awards:

- Honor member in the Professional Engineers of NC, 2007
- Chi Epsilon Honorary Member, Clemson University, 2003
- Outstanding faculty adviser, NSPE Student Chapter, 1999
- Professional Engineers of NC Distinguished Service Award, 1996
- AT&T Engineering Education Excellence Award for NC, 1995
- Young Engineer of the Year, PENC South Piedmont Chapter, 1988

Service Activities (Within and Outside of the Institution):

- Member, Charlotte Global Vision Leadership Team, 2016-present
- Member (US rep), International Adv. Board, Energy S&T ICE, Karlsruhe, GER, 2015-present
- Associate Director, EPIC (Energy) Center at UNC Charlotte, 2012-present
- Member PENC Education Foundation Board of Directors, 2013-present
- Interim Director IDEAS (Sustainability) Center at UNC Charlotte 2012-2013 Chair, Department of Civil and Environmental Engineering, 1994 - 2012
- ASCE Committee on Faculty Development, 2005 - 2012

Select Publications and Presentations (Last Five Years):

1. Schmidt, R., Chen, S., Young, D., Janardhanam, R., “Legal Proceeding Effects on Forensic Engr.Practices,” Proceedings 2015 Forensic Engr. Congress, Nov.15-18, 2015, Miami, FL.
2. Corsi, R., Young, D., et.al., “Report of External Review Committee,” for the CAEE Department at Drexel University, May 31, 2015.
3. Presenter, “U.S. Energy Activities,” 1st EST Energy Conference, Karlsruhe, Germany, May 22, 2015
4. Young, D. T., “Results of Cantilever Load Testing on a Porcelain Insulator,” final report submitted to EPRI, December 9, 2014.
5. Presenter, “Transatlantic Partnerships”, KIT in Karlsruhe, GER, May 22, 2015 and October 3, 2014
6. Presenter, “Forensic Engineering,” PDH Series, Charlotte, 12/11/14
7. Presenter, “Structural Forensic Engineering,” All-day seminar, at Chapel Hill, NC, 10/21/14
8. Young, D.T., “Evaluation of Tensile Behavior of Flexible Waterproofing,” final report submitted to CCS, October 15, 2014.
9. Presenter, “R&D Collaboration in Energy,” Prague, CR, October 10, 2014
10. Young, D.T., “Evaluation of Behavior in Racking of 8’ Foam System Wall Panels and 8’ OSB Wall Panels,” final report submitted to MaxLife, LLC, and July 31, 2014.
11. Presenter, “Changing Landscape of Energy Infrastructure,” NC ASCE, UNCC, 4/28/14
12. Co-presenter, “Innovation and Change,” AREVA, April 24, 2014
13. Presenter, “Structures Review,” CEE Dept. FE Exam Review, UNCC, 3/21/14
14. Presenter, “Structural Analysis,” UNCC PE Review Course, Charlotte, 3/20/14
15. Presenter, “Mechanics of Materials,” UNCC PE Review Course, Charlotte, 3/18/14
16. Shaw, T. and Young, D., “Combined Loading for Post -Type Polymer Insulators,” project final Report submitted to EPRI, March 15, 2014.
17. Presenter, “Education Opportunities in Energy,” Clean Tech Conference, Chapel Hill, NC, 2/24/14
18. Young, D.T., “Evaluation of Mechanical Behavior of Structural Insulated Panels – Fastener Pull-Through,” project final report submitted to MaxLife, LLC, February 18, 2014
19. Young, D.T., “Consideration of Human Factors in Investigations of Structural Failures,” International Journal of Forensic Engineering, 1583(1), Vol. 3/4, January, 2013, pp. 227-237.

Recent Professional Development Activities:

- Represent UNC Charlotte on Transatlantic Bridge Project, Charlotte, NC to Germany, May 2016
- Co-PI, Roadmaps for NC and SC Energy Future, DOE, October 2014 – June 2016.
- Co-PI, Development of Low-Cost, Portable, and Rapid Nondestructive Inspection Tool for Wood Distribution Poles,” Duke Energy, January 2015 – May 2016
- Attendee and Board Member, PENC Annual Meeting, Pinehurst, NC, June 2015
- PI, Laboratory Testing of Composite Post Insulators for 3D Loads, EPRI, January 15 – June 2015.
- Attendee and panelist, Energy S&T Int’l Conf. & Exhibition, Karlsruhe, Germany, May 2015
- Attendee, ABB Power World, Houston TX, March 2015
- PI, Evaluation of Porcelain Post Insulator, EPRI, November 2014 – December 2014.
- Attendee, Fueling Transatlantic Partnerships, Italian Embassy, Washington, D.C., September 2014
- Attendee, Appalachian Energy Summit, Boone, NC, July 2014
- PI, Development of Testing Procedures for the Experimental Evaluation of Mechanical Behavior of Composite Insulators, EPRI, May 2014 – July 2014.
- Honorary Guest and Panelist, American Assoc. of Blacks in Energy Conf., Cincinnati, OH, Apr 2014
- PI, Analysis of Flexural Strength of Waterproofing, CCS, February 2014 – March 2014
- PI, Mechanical Behavior of Structural Insulated Panel Pull-Through, MaxLife, LLC, December 2013
- PI, Combined Loading Charts for Post and Braced Post Type Polymer Insulators, EPRI, May 2013