

## ABET FACULTY VITAE (2 Page)

**Name:** Nicole Braxtan

**Education:**

- Ph.D., Structural Engineering, Lehigh University, 2010
- M.S., Civil Engineering, Princeton University, 2004
- B.S., Civil Engineering, Rutgers University, 2002

**Academic Experience:**

- UNC Charlotte, Assistant Professor, 2016 – Current, Full-Time
- Manhattan College, Assistant Professor, 2010 – 2015, Full-Time

**Non-Academic Experience:**

- DMJM Harris, Structural Engineer, Bridge Design Group, January 2005 – August 2005, Full-Time
- French & Parrello Associates, P.A., Summers 2001 and 2002, Full-Time
- Structural Engineering Intern, December 2001 – January 2002, Full-Time
- Groundwater & Environmental Services, Inc., Engineering Intern, Summer 2000

**Certifications or Professional Registrations:**

- EIT, New Jersey, 2001

**Current Membership in Professional Organizations:**

- American Society of Civil Engineers (ASCE), 2016 - present; 2008-2010
- Structural Engineering Institute (SEI), 2016 - present
- International Network for Structural Art (INSA), 2011-present

**Honors and Awards:**

- Gerald R. Seeley Award – ASEE Civil Engineering Division, 2015
- Rossin Doctoral Fellow, 2008 – 2010
- Yen Fellowship, 2009; Hoppes Fellowship, 2007 – 2008
- Brink Fellowship, 2007 – 2008; Gibson Fellowship, 2005 – 2007
- ACI New Jersey Chapter Award, 2002
- Garretson Hageman 1968 Memorial Award, 2001;
- Ernest R. Schultz 1930 Scholarship, 2001; Bloustein Distinguished Scholar, 1998 – 2002
- National Merit Scholar- Outstanding Scholar, 1998

**Service Activities (Within and Outside of the Institution):**

- ASCE/SEI Fire Protection Committee – 2016-2022
- Girls in Science and Engineering Day at the Intrepid Air and Space Museum – 2012:  
Organized faculty, students, and demonstrations for event
- Manhattan College Summer Outreach Programs – 2011 and 2013: Presenter for Women and Minorities in Engineering Program and Yonkers Summer Program
- Reviewer for various engineering journals
- Faculty mentor for AISC Steel Bridge Competition – 2011 and 2013

**Select Publications and Presentations (Last Five Years):**

1. Braxtan, NL, Whitney, R., Wang, Q, and Koch, G. (2015) Preliminary Investigation of Composite Steel Box Girder Bridges in Fire,” Bridge Structures, 11 (3), pp. 105-114.
2. Leo Braxtan, N and Pessiki, S. (2011). “Bond Performance of Sprayed Fire Resistive Material (SFRM) on Steel Plates Subjected to Tension Yielding,” Journal of Fire Protection Engineering, 21 (1), pp. 37-55.
3. Braxtan, N.L and Pessiki, S. (2011). “Postearthquake Fire Performance of Sprayed Fire Resistive Material on Steel Moment Frames,” Journal of Structural Engineering – Special Issue: Commemorating 10 Years of Research since 9/11, 137 (9), pp 946-953.
4. Braxtan, NL, Wang, Q, Whitney, R. and Koch, G. (2015) “Numerical Analysis of a Composite Steel Box Girder Bridge in Fire,” Proceedings of the 2015 Applications of Structural Fire Engineering Conference, October 15-16, 2015.
5. Braxtan, NL, Whitney, R., Wang, Q, and Koch, G. (2015) “Preliminary Investigation of Composite Steel Box Girder Bridges in Fire,” Proceedings of the 2015 New York City Bridge Conference, August 25-26, 2015.
6. Braxtan, NL and Nossoni, G. (2015) “Correlation between Personality Type and Student Interest in Sustainability in Civil Engineering,” Proceedings of the 122nd Annual ASEE Conference, Seattle, WA June 14-17, 2015.
7. Nossoni, G. and Braxtan, NL (2015) “Making Students Cognizant of Sustainability through a Multidisciplinary Term Project in Low Level Courses,” Proceedings of the 122nd Annual ASEE Conference, Seattle, WA June 2015.
8. Braxtan, N.L., Donohue-Couch, K., and Westphal, K. (2014) “Superstorm Sandy Storm Surge and Residential Damage Correlation – A case study of Long Beach, NY,” Proceedings of the 2nd Residential Building Design and Construction Conference, State College, PA, February 19-20 2014, pp. 371-382.
9. Braxtan NL (2015) “Development of Preliminary Guidelines for Sprayed Fire Resistive Material for Passive Fire Protection of Steel Plate Girder Bridges”, Report to the Manhattan College Dept. of Civil Engineering Report, September 2015, 10 pp.
10. Greco, C, Braxtan NL, Wang, Q, and Whitney, R (2015) “Intumescent Paint for Passive Fire Protection of Steel Bridge Girders”, Manhattan College Dept. of Civil Engineering Report CIVL-2015-01, May 2015, 44 pp.
11. Vermaelen, J, Braxtan NL, Wang, Q, and Whitney, R (2015) “Strength Reduction for Composite Steel Bridge Girders in Fire,” Manhattan College Dept. of Civil Engineering Report CIVL-2015-02, May 2015, 62 pp.
12. Braxtan, N.L. and Pessiki, S. (2011). “Thermal Performance of Sprayed Fire Resistive Material (SFRM) on Steel Moment Frame Buildings.” ATLSS Report No. 11-02. Bethlehem, PA: Center for Advanced Technology of Large Structural Systems, Lehigh University, August 2011, 96 pp.
13. Blizzard J, Braxtan NL, Whitney R, Wang Q (2015) “Effects of Geometric Parameters on Thermal Performance of Steel Bridge Girders in Fire.” Presentation for the Manhattan College 2015 Jasper Summer Scholars Program. August, 2015.
14. Greco, C., Braxtan, NL, Whitney, R., Wang, Q. and Greco, C (2015) “Intumescent Paint as Passive Fire Protection for Steel Bridge Girders”, 2015 NFPA Conference & Expo – June 22-25, 2015. Student Poster Presentation for NFPA Research Section.

**Recent Professional Development Activities:**

None