

# **Nur Yazdani, PH.D., P.E., F.ASCE, F.ACI, F.SEI**

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Web page: <http://blog.uta.edu/yazdani>

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## **EDUCATION**

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- University of Maryland, College Park, Maryland** 1984  
*Civil Engineering – Structural Engineering*  
Graduated with distinction (GPA 3.94/4.00)  
Dissertation Title: Risk Analysis of Extending Bridge Service Life
- University of Oklahoma, Norman, Oklahoma** 1981  
*Civil Engineering – Structural Engineering*  
Graduated with distinction (GPA 4.00/4.00)  
Thesis Title: Elastic Stability of Beams with Lateral Tension Flange Bracing
- University of Engineering and Technology, Dhaka, Bangladesh** 1977  
*Civil Engineering*  
Secured First Class with Distinction, achieved 3<sup>rd</sup> place out of a graduating class of 432

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## **PROFESSIONAL SKILLS**

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- Engineering Education Improvement
- Sustainable Technologies for Concrete Built Environment
- Resilient and High Performing Concrete Infrastructure Design and Rehabilitation
- Concrete Bridge Design, Evaluation and Rehabilitation
- Concrete Infrastructure Protection for Natural and Man-made Hazards
- Software skills in Microsoft Office programs, Finite Element and Structural Analysis/Design software such as ANSYS, ABAQUS, ETABS, SAP, RISA and STAAD
- Concrete Properties
- CFRP Laminate Usage for Sustainable Concrete
- Coastal Infrastructure and Building Codes
- ABET Accreditation of Civil Engineering Programs
- Program Development
- Academic Administration
- Student, Teacher, and Faculty Member Mentoring.
- K-12 Student and STEM Teacher Networking

**PROFESSIONAL REGISTRATION: Registered Professional Engineer in the State of Texas, P.E. License No. 100539**

**CITIZENSHIP: U.S. Citizen**

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**ABET EVALUATION AND ASSESSMENT**

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Dr. Yazdani is an ASCE certified ABET evaluator for Civil Engineering and related ABET programs since 2003. To date, he has evaluated a total of 20 programs in USA and overseas. He has been an ABET evaluation Team Chair on five occasions in recent years.

Dr. Yazdani has provided guidance to new programs seeking ABET accreditation and existing programs seeking to improve their program assessment process. This includes both U.S. and overseas programs.

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**EMPLOYMENT RECORD**

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**The University of Texas, Arlington, Texas**

*Department of Civil Engineering*

*Professor (tenured)*

- Teach undergraduate and graduate courses in the area of Structural Engineering
- Develop multi-disciplinary research proposals and research networking

June 2013– present

- Form multi-disciplinary research teams
- Advising and directing graduate students

**The University of Texas, Arlington, Texas**

*Department of Civil Engineering*

*Chairman and Professor (tenured)*

- Long range and short-term planning
- Budgetary issues
- Personnel management
- Course scheduling

2005 - 2013

- Industrial cooperation
- Liaison with the college and the university

**Florida A&M University – Florida State University (FAMU-FSU) College of Engineering,  
Tallahassee, Florida**

***Department of Civil & Environmental Engineering***

***Director of the Infrastructure Research Laboratory***

***Professor and Graduate Coordinator (tenured)***

1995 - 2005

***Associate Chairmen and Associate Professor (tenured)***

1989 - 1995

***Assistant Professor (tenure-track)***

1984 - 1989

- Served as Associate Chair
- Taught undergraduate and graduate courses in Structural Engineering and Mechanics
- Wrote successful research proposals
- Formed multi-disciplinary research teams under the Infrastructure Research Laboratory activities
- Developed curriculum in structural engineering
- Spearheaded department fund raising activities
- Advised and directed graduate students

**University of Maryland, College Park, Maryland**

***Structural Engineer***

1984 - 1984

- Designed and oversaw the construction of several facilities at University of Maryland campus

**University of Maryland, College Park, Maryland**

***Department of Civil Engineering***

***Research Assistant***

1981-1984

- Worked on several research projects on highway bridge safety and service life prediction
- Co-authored several research proposals to the Maryland Highway Department
- Taught courses on structural analysis and strength of materials

**University of Oklahoma, Norman, Oklahoma**

***Department of Civil Engineering***

***Graduate Assistant***

1979 - 1981

- Worked on several research projects on building flexural design and effects of lateral buckling
- Taught courses on concrete design and strength of materials

**University of Engineering and Technology, Dhaka, Bangladesh**

***Department of Civil Engineering***

***Lecturer***

1977 - 1979

- Taught various courses in structural engineering
- Performed laboratory testing of common building materials in Bangladesh

**Engineer's Syndicate, Dhaka, Bangladesh**

***Structural Engineer***

1976 – 1979

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**ADMINISTRATIVE EXPERIENCE**

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**The University of Texas at Arlington, Arlington, Texas**

*Department of Civil Engineering*

**Director, Disaster Mitigation Center**

2006 - Present

- Research
- Education
- Outreach and clearinghouse efforts on multi-disciplinary disaster issues
- Establish networking with the private and public sectors

For more information on the Disaster Mitigation Center, please visit the link below:

<http://www.uta.edu/ce/research/disaster/index.php>

**The University of Texas at Arlington, Arlington, Texas**

*Department of Civil Engineering*

**Chair**

2005 - 2013

- Long range planning
- Budgetary issues
- Personnel management
- Course scheduling
- Industrial cooperation
- Liaison with the college and the university

**FAMU-FSU College of Engineering, Tallahassee, Florida**

*Civil & Environmental Engineering Department*

**Chair, Professional Development Committee**

2004 - 2005

- Formulation of a formal professional development policy and procedure for department faculty (including P.E. registration, continuing education and training)
- Generation of professional development funding

**FAMU-FSU College of Engineering, Tallahassee, Florida**

*Civil & Environmental Engineering Department*

**Director, Center for Infrastructure Hazards**

2004 - 2005

- Procurement of external grants for infrastructure hazards related activities
- Promotion of hazards based education
- Training and research
- Establish multi-disciplinary teams
- Networking with federal, state, local and private sectors

**FAMU-FSU College of Engineering, Tallahassee, Florida**

*Civil & Environmental Engineering Department*

**Chair, Fund Raising Committee**

2001 - 2005

- Establish department needs for external funds
- Develop suitable proposals
- Establish contact with industry

**FAMU-FSU College of Engineering, Tallahassee, Florida**

*Civil & Environmental Engineering Department*

**Chair, Graduate Committee**

1998 - 2005

- Curriculum development and implementation
- Course development
- Oversee graduate admissions
- Ph.D. program implementation and expansion
- Coordination with College and University administration

**FAMU-FSU College of Engineering, Tallahassee, Florida**

*Civil & Environmental Engineering Department*

**Director, Infrastructure Research Laboratory**

1991 - 2005

- Procurement of external grants for highway bridge improvement
- Materials and mitigation-preparedness-recovery research
- Formation and nurturing of multi-disciplinary research groups
- Mentoring of younger faculty, graduate students and staff members

**FAMU-FSU College of Engineering, Tallahassee, Florida**

*Civil & Environmental Engineering Department*

**Associate Chair**

1989 - 1997

- Course scheduling
- Hiring of adjunct faculty
- Space management
- ABET preparation
- Budgetary activities
- Extensively acting as Chair

**FAMU-FSU University College of Engineering, Tallahassee, Florida**

*Civil & Environmental Engineering Department*

**Coordinator, Structural Engineering Area**

1984 - 2005

- Course scheduling and development
- Faculty mentoring
- Laboratory development and expansion

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**HONORS AND AWARDS**

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- Nominated for the President’s Award for Teaching Excellence, 2023
- College of Engineering Outstanding Teaching Award, 2022
- Lockheed Martin Teaching Excellence Award, UT Arlington, 2019.
- University Award for Distinguished Record of Research, 2016.
- Nominated for the University Award for Distinguished Record of Research, 2014, 2018.
- Fellow, Life Member, ASCE Structural Engineering Institute (SEI), 2013 – present.
- Research Excellence Award, UT Arlington, 2007, 2008.
- Davis Productivity Award, State of Florida, 2005.
- Fellow, ASCE, 1998 – present.
- Fellow, American Concrete Institute (ACI), 2008 – present.
- Nominated for the University Teaching Award, Florida State University, 2005.
- Evaluated as the top overall performing faculty in the Civil/Environmental Engineering Department at the FAMU-FSU College of Engineering for 4 years in a row (2001-2002, 2002-2003, 2003-2004, 2004 -2005).
- National Cooperative Highway Research Program (NCHRP) project 12-71 panel member, 2003-2009.
- TV Channel 27 and 40, aired 5 times in fall of 2004, coverage on Dr. Yazdani’s research and presentation on in-home hurricane room technology that he developed at FAMU-FSU.
- Extensive coverage in the Tallahassee Democrat, Gainesville Sun, Tampa Tribune, South-West Herald Tribune and Panama City
- Invited Professional Team Member, Florida Commission on Hurricane Loss Projection Methodology, 2004 – 2006.
- Associate Editor, ASCE Journal of Bridge Engineering, 2004 – present.
- Associate Editor, ASCE Practice Periodical for Structural Design and Construction, 2018 – present.
- ASCE Certified ABET Civil Engineering Program Evaluator, 2003 – present.
- FSU Superior Achievement Award, 2003.
- 2000 Outstanding Intellectuals of the 21st Century.
- U.S. Army Corp of Engineers Summer Faculty Fellowship, Jacksonville, FL and San Juan, Puerto Rico, 2001.
- Strathmore’s Who’s Who, 2001-present.
- FAMU University Service Award, 1990, 2001.
- Precast/Prestressed Concrete Institute (PCI) Daniel P. Jenny Fellowship, 1999.
- Dean's List at the University of Oklahoma and the University of Maryland, 1979-84.
- Silver award in the 1985 Engineering Design Competition, the James F. Lincoln Arc Welding Foundation, Cleveland, Ohio.
- Bangladesh Government Federal Scholarship Award, 1969-76.

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**MEDIA COVERAGE**

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- Dr. Yazdani interview with Popular Mechanics: The I-95 Collapse Is a Tragic Reminder That U.S. Bridges Are Still Built Without Fire Safety in Mind  
<https://www.popularmechanics.com/preview/technology/infrastructure/a44201682/what-could-have-prevented-i-95-bridge-collapse/>
- NEW APPROACH TO TEST INTEGRITY OF TEXAS BRIDGES: UTA News Release  
<https://www.uta.edu/news/news-releases/2020/09/18/yazdani-bridge>
- A TOOL TO ELEVATE COASTAL HOMES: UTA News Release  
<https://www.uta.edu/news/news-releases/2020/02/21/yazdani-concrete-slabs>
- A PARTNERSHIP TO ENHANCE HIGH SCHOOL ENGINEERING CURRICULA: UTA News Release  
<https://www.uta.edu/news/news-releases/2021/09/02/yazdani-nsf-stem>
- AN APP TO MAP AND CATALOG TEXAS BRIDGES: UTA News Release  
<https://www.uta.edu/news/news-releases/2021/12/10/yazdani-txdot-map-ap>
- UTA RESEARCHER EARNS TXDOT CONTRACTS TO INSPECT, EVALUATE AND MONITOR DFW-AREA BRIDGES: UTA News Release  
<https://www.uta.edu/news/news-releases/2017/12/18/yazdani-bridges-txdot>
- AMERICAN SOCIETY OF CIVIL ENGINEERS NAME UTA’S GRADUATE STUDENT CHAPTER TOPS IN 2017: UTA News Release  
<https://www.uta.edu/news/news-releases/2017/08/02/sei-chapter-of-the-year>
- SEI GRADUATE STUDENT CHAPTER NAMED NATIONAL CHAPTER OF THE YEAR: UTA News Release  
<https://www.uta.edu/news/news-releases/2019/05/30/sei-chapter-of-the-year>
- In-Situ Evaluation of Old Pan Girder Bridges: Structure Magazine  
[https://www.structuremag.org/?author\\_name=nuryazdani](https://www.structuremag.org/?author_name=nuryazdani)
- TV Channel 27 and 40, aired 5 times in fall of 2004, coverage on Dr. Yazdani’s research and presentation on in-home hurricane room technology that he developed at FAMU-FSU.
- Extensive coverage in the Tallahassee Democrat, Gainesville Sun, Tampa Tribune, South-West Herald Tribune and Panama City News Herald on Dr. Yazdani’s research work involving in-home hurricane sheltering.

**TEACHING EXPERIENCE**

<b>Course</b>	<b>Number of Times Taught</b>	<b>Average Enrollment</b>	<b>Average Student Evaluation<sup>1</sup></b>
Strength of Materials (UG)*	5	35	VG
Concrete Design (UG)*	28	45	E
Steel Design (UG)*	10	43	VG
Advanced Concrete Design (UG, G)*	14	15	E
Highway Bridge Design (G)*	7	35	E
Prestressed Concrete (UG, G)*	9	20	E
Bridge Engineering (UG, G)*	3	18	E
Timber Design (UG)*	9	30	E
Masonry Design (UG)*	5	25	E
Structural Analysis (UG)*	8	38	VG
Indeterminate Structural Analysis (UG, G)*	6	23	E
Structural Reliability (G)*	6	15	E
Engineering Mechanics (UG)*	5	66	E
Senior Design Project (UG)*	6	39	E

<sup>1</sup>E and VG represent more than 90% and 80-90% of the students agreeing that the course instructor was an effective teacher, respectively.

\*New course developed

UG: Undergraduate level; G: Graduate level.



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**RESEARCH EXPERIENCE**

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Dr. Yazdani's total sponsored research funding level is more than **\$18 million** overall to date, including Centers and Partnerships.

**Current Sponsored Research**

1. *The North Central Texas Council of Governments (NCTCOG) Bridge Asset Condition Maintenance and Improvement Through Logical and Cost-Effective Intervention*, \$65,000, NCTCOG, 2022-2023, N. Yazdani: PI. Funding source: Local.
2. *GIS Applications for Bridges and Highway Elements*, \$603,821, Texas Department of Transportation/Federal Highway Administration, N. Yazdani: PI. Source: Federal.
3. *RET Site: UTA RET Site on Sustainable and Resilient Urban Infrastructure*, \$598,453, NSF, 2021-2024, N. Yazdani: PI; M. Sattler (CE), K. Hyun (CE), W. Lee (EE), V. Chen (IE), Huda (Physics): Co-PI. Funding source: Federal.
4. *In-Situ NDE and Load Capacity Evaluation of Concrete Bridges, Culverts and Retaining Walls*, \$904,000, Texas Department of Transportation/Federal Highway Administration, 2020-2023, N. Yazdani: PI. Funding source: Federal/State.
5. *Safety of Slab Home Elevations in Harvey-Affected Communities: Research, Extension, Training and Outreach*, \$455,000, Texas Sea Grant Program (flow-through from NOAA), 2020-2022, N. Yazdani: PI, M. Koliou (TAMU, Co-PI). Funding source: Federal.

**Pending Proposals**

6. *Quantitative Post-Fire Non-Destructive Evaluation (NDE) of Concrete Structural Members in Buildings*, \$299,979, NIST, 2023-2025, N. Yazdani: PI, E. Beneberu: Co-PI. Funding source: Federal.
7. *Effect of Enhanced Building Codes on Cost Effective Wind/Hail Mitigation and Resiliency for New Home Construction*, \$300,000, NSF, 2023-2025, N. Yazdani: PI, L. Siebeneck (UNT), K. Simmons (Austin College): Co-PI. Funding source: federal.
8. *Hurricane Induced Multi-Hazard Mitigation Decision-Making: A Multilevel and Interdisciplinary Vulnerability Approach*, \$597,544, NSF, 2023-2025, N. Yazdani: PI, L. source: federal.

**Completed Sponsored Research**

1. *Monitoring of Concrete Bridges*, \$500,000, Texas Department of Transportation/Federal Highway Administration, 2016-2021, N. Yazdani: PI. Funding source: Federal/State.
2. *Prioritizing Model for Bridge Repair and Replacement*, \$224,541, Texas Department of Transportation/Federal Highway Administration, 2019-2021, N. Yazdani: PI. Funding source: Federal/State.
3. *NDE and Load Rating of Concrete Bridges*, \$735,000, Texas Department of Transportation/Federal Highway Administration, 2017-2020, N. Yazdani: PI. Funding source: Federal/State.
4. *Fiber Reinforced Polymer (FRP) Strengthening and NDE Evaluation of Concrete Bridges*, \$600,000, Texas Department of Transportation/Federal Highway Administration, 2015-2018, N. Yazdani: PI. Funding source: Federal/State.

5. *IRES: UT Arlington – Spain Collaborative Research on Hazard Mitigation of Civil Infrastructure*, \$250,000, National Science Foundation (NSF), 2014-2018, N. Yazdani: PI, L. Thompson (Prairie View A&M University), Co-PI. Funding source: Federal.
6. *Evaluating the Performance of Fiber Reinforced Polymer (FRP) Strengthening of Concrete Bridges*, \$300,000, Texas Department of Transportation/Federal Highway Administration, 2012-2016, N. Yazdani: PI. Funding source: Federal/State
7. *Strength of Horizontal Shear Reinforcement with Limited Development*, \$413,142, Texas Department of Transportation, 2011-2015, S. Chao: PI, N. Yazdani: Co-PI. Funding source: Federal/State
8. *UT Arlington Research Experience for Undergraduates in Engineering (REU) Site on Hazard Mitigation*, \$300,000, National Science Foundation (NSF), 2010-2014, N. Yazdani: PI, M. Sattler: Co-PI, A. Puppala, M. Wright (CSE), W. Lee (EE), S. Daza (Education): Senior Personnel. Funding source: Federal
9. *UT Arlington Research Experience for Teachers in Engineering (RET) Site on Hazard Mitigation*, \$512,000, National Science Foundation (NSF), 2008-2011, N. Yazdani: PI, Y. Weatherton: Co-PI, A. Puppala, M. Sattler, J. McEnery, C. Tiernan (CSE), M. Wright (CSE), B. Boardman (IE), T. Graca (Edu), S. Daza (Edu): Senior Personnel. Funding source: Federal
10. *Strength Evaluation of Concrete Utility Poles*, \$18,000, Superior Poles, N. Yazdani: PI, G. Ramirez: Co-PI. Funding Source: Private
11. *Finite Element Modeling of Ductile Precast Panels*, \$75,000, Hanson Pipe & Precast Products, 2006-2009, A. Abolmaali: PI, G. Ramirez and N. Yazdani: Co-PI. Funding source: Private.
12. *Investigations of Material and Structural Properties of Aero-Dwell Concrete*, \$150,000, Hanson Pipes & Precast Products, 2006-2009, A. Abolmaali: PI, G. Ramirez and N. Yazdani: Co-PI. Funding source: Private
13. *Florida Bridge Safety under Extreme Flood Effects*, \$86,000, University Consortium for Intermodal Transportation Safety and Security (UCITSS), FHWA, 2005 – 2007, N. Yazdani: PI, W. Huang: (Co-PI). Funding source: Federal
14. *Post-Tensioned Anchorage Zone Enhancement with Fiber Reinforced Concrete (FRC)*, \$150,000, Federal Highway Administration/Florida Department of Transportation/, 2004-2007, N. Yazdani: PI, K. Tawfiq: Co-PI. Funding source: Federal/State
15. *Florida Hurricane Mitigation Alliance: a Florida State University System Coalition*, \$5,500,000 each year for five years, NOAA and FEMA, 2004-2008, Florida International University, Florida State University, University of Florida, University of South Florida, University of North Florida, University of Central Florida, Florida A&M University, N. Yazdani, M. Abdullah and W. Huang: PIs. Funding source: Federal
16. *Initiation of Florida Hurricane Mitigation Alliance*, \$67,000, FEMA Hazard Mitigation Grant Program, 2004-2006 (renewable annually), N. Yazdani: PI, P. Mtenga: Co-PI. Funding source: Federal
17. *Fatigue Evaluation of Structural Composite Lumber (SCL) T-Beam Bridge Girders*, \$156,000, U.S.D.A. Forest Products Laboratory, 2004-2006, N. Yazdani: PI, P. Mtenga: Co-PI. Funding source: Federal
18. *Accelerated Curing of Silica Fume Concrete*, \$120,000, Federal Highway Administration/Florida Department of Transportation, 2002-2005, N. Yazdani: PI. Funding source: Federal/State
19. *Wind Provision Evaluation from the 2004 Florida Building Code for Hurricane Vulnerability Mitigation*, \$45,000, NOAA, N. Yazdani: PI. Funding source: Federal

20. *Academic Strategic Partnering*, Defense Threat Reduction Agency (DTRA), \$4 million/year, The Pennsylvania State University Consortium, 2003-2008, N. Yazdani, J. Wekezer, K. Tawfiq and S. Nnaji: PIs. Funding source: Federal.
21. *Large Wind Missile Impact Performance of Public and Commercial Building Assemblies*, \$130,000, Florida Division of Emergency Management, 2003-2005, N. Yazdani: PI, R. Cook and P. Green (Univ. of Florida): Co-PI. Funding source: State
22. *Time Dependent Strength and Elasticity Development in Florida Concrete*, \$120,000, Florida Department of Transportation/Federal Highway Administration, 2001-2003, N. Yazdani: PI, L. Spainhour: Co-PI. Funding source: Federal/State
23. *Development of Wind Shelter Retrofit Room Standards for Existing Houses*, \$135,000, Florida Division of Emergency Management, 2001-2003, N. Yazdani: PI. Funding source: State
24. *Application of Steel Fiber Reinforcement in Anchorage Zones of Post-Tensioned Bridge Girders*, \$118,000, Florida Department of Transportation/Federal Highway Administration, 1999-2002, N. Yazdani: PI, L. Spainhour: Co-PI. Funding source: Federal/state.
25. *Behavior of Thin Precast Prestressed Spandrel Beams Under Torsion*, \$20,000, Precast/Prestressed Concrete Institute (PCI) Daniel P. Jenny Graduate Fellowship, 1999-2002, N. Yazdani: PI, J. Ach: Research Assistant. Funding source: Federal
26. *Substitution of Components in FDOT Concrete Design Mixes*, \$118,000, Florida Department of Transportation/Federal Highway Administration, 1999-2002, N. Yazdani: PI, J. Sobanjo: PI. Funding Source: Federal/State
27. *Post-Storm Model for Reconstruction of Coastal Structures*, \$120,000, Sea Grant Program, National Ocean and Atmospheric Association (NOAA), 1998-2001, N. Yazdani: PI. Funding source: Federal
28. *Composite Fiber Wrapping for the Strengthening and Repair of Bridge Elements in the Splash Zone*, \$150,000, NSF, 1997-2001, L. Spainhour: PI, N. Yazdani: Co-PI. Funding source: Federal
29. *Utilization of Structural Composite Lumber for Bridge Applications*, \$195,000, U.S. Department of Transportation/Federal Highway Administration, 1997-2000, N. Yazdani: PI. Funding source: Federal
30. *Investigation of Bridge Fenders for Ship Impact*, \$140,000, Florida Department of Transportation/Federal Highway Administration, 1997-2000, N. Yazdani: PI, J. Wekezer: Co-PI. Funding source: Federal/State
31. *Effect of Boundary Conditions on Bridge Superstructure Performance*, \$75,000, Florida Department of Transportation/Federal Highway Administration, 1997-99, N. Yazdani: PI, L. Spainhour, Co-PI. Funding source: Federal/State
32. *Post-Storm Foundation Reconstruction Model for Coastal Structures*, \$60,000, Florida Department of Environmental Protection, 1997-99, N. Yazdani: PI. Funding source: State
33. *Effect of Pumping on Properties of Concrete: Phase II*, \$55,000, Florida Department of Transportation/Federal Highway Administration, 1996-98, N. Yazdani: PI. Funding source: Federal/State
34. *Post-Storm Reconstruction Model for Coastal Structures: A Preliminary Study*, \$15,000, Sea Grant Program, National Ocean and Atmospheric Association (NOAA), 1996-97, N. Yazdani: PI. Funding source: Federal
35. *Epoxy Jointing of Precast Concrete Segments*, \$50,000, Florida Department of Transportation/Federal Highway Administration, 1995-97, N. Yazdani: PI.

- Funding source: Federal/State
36. *Investigation of Excessive Camber in Precast Concrete Bridge Girders*, \$90,000, Florida Department of Transportation/Federal Highway Administration, 1994-97, N. Yazdani: PI, P. Mtenga: Co-PI. Funding source: Federal/State
  37. *Effect of Pumping on Durability of Bridge Concrete*, \$80,000, Florida Department of Transportation/Federal Highway Administration, 1994-96, N. Yazdani: PI, W. Ping: Co-PI. Funding source: Federal/State
  38. *Fiber Reinforced Cable Study*, \$185,000, National Security Agency, 1993-96, R. Arora (E.E.): PI, H. Garmestani (M.E.), N. Yazdani: Co-PIs. Funding source: Federal
  39. *Preservative Effect on Stress Laminated Southern Pine Bridge Decks*, \$225,000, U.S. Department of Agriculture, 1992-96, N. Yazdani: PI. Funding source: Federal
  40. *Field Performance of Three Stress Laminated Timber Bridges in Leon County*, \$10,000, U.S. Department of Agriculture, 1992-96, N. Yazdani: PI. Funding source: Federal
  41. *Impact of Swimming Pool on Coastal Construction in the State of Florida*, \$50,000, Federal Emergency Management Agency (FEMA)/Florida Dept. of Natural Resources, 1993-94, N. Yazdani: PI, S. Nnaji: Co-PI. Funding source: Federal
  42. *Multi-Agency Integrated Code for Florida Coastal Construction*, \$90,000, Coastal Zone Management, 1990-93, N. Yazdani: PI. Funding source: Federal
  43. *Influence of Temperature on Precast Bridge Girders*, \$75,000, Florida Department of Transportation/Federal Highway Administration, 1990-92, N. Yazdani: PI. Funding source: Federal/State
  44. *Effect of Wind on Coastal Construction in Florida*, \$35,000, Florida Department of Natural Resources, 1989-90, N. Yazdani: PI. Funding source: State
  45. *Prevention of Cracking in Bridge Pier Caps*, \$75,000, Florida Department of Transportation/Federal Highway Administration, 1988-90, N. Yazdani: PI, W. O. Carter: Co-PI. Funding source: Federal/State

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**REFEREED JOURNAL PUBLICATIONS**

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\* *Designates current or former student author supervised by Dr. Yazdani*

1. Ling\*, C., Yazdani, N., Beneberu\*, E., and Koliou, M. *Experimental Evaluation of Elevated Home Slabs for Flood Mitigation*, Journal of Coastal Research, June 2023 (under review).
2. Ling\*, C., Kar\*, D., Yazdani, N., Beneberu\*, E., Koliou, M., and Yoo, Y. *Development of Software Tools to Simplify Home Elevation Decision Making*, Domestic Preparedness Journal, July 2023 (under review).
3. Ling\*, C., Yazdani, N., Beneberu\*, E. Rational Improvement of FEMA *Benefit Cost Analysis Method for Flood Retrofit Projects*, International Journal of Disaster Risk Reduction, July 2023 (under review).
4. Rahman, M. M., Yazdani, N., Beneberu, E., Jalal, K. B., *Evaluation and Load Rating of an Aging and Impact Damaged Steel Girder Bridge: Case Study*, Journal of Civil Structural Health Monitoring, June 2023 (under review).
5. Anandhan\*, R., Yazdani, N., *Evaluation of Long-Term Durability of Concrete with External Pre-saturated CFRP Laminate*, Int. Journal of Sustainable Materials and Structural Systems, June 2023 (in press).

6. Jalal, K. B., Yazdani, N., (more authors ?) *Experimental Detection of Embedded Rebar Corrosion in Concrete with Ground Penetrating Radar*, ACI Structural Journal, March 2023 (under review).
7. Karzan, H., Yazdani, N. and B. Eyosias. *Monitoring and Performance Evaluation of Distressed CIP Bridge Retaining Wall*, ASCE Journal of Performance of Constructed facilities, June 2023 (under review).
8. Jalal, K. B., Yazdani, N., (more authors ?) *Corrosion Detection in Concrete Embedded Rebar With Ground Penetrating*, Annual Review of Progress in Quantitative Nondestructive Evaluation, (Accepted).
9. Efaz\*, I, Yazdani, N. and Beneberu\*, E. *Combined Load Test and NDE: A Novel Method to Diagnose and Load Rate Prestressed Concrete Girder Bridges with Serviceability Issues*, ASCE Journal of Bridge Engineering, August 2022.  
[https://doi.org/10.1061/\(ASCE\)BE.1943-5592.0001939](https://doi.org/10.1061/(ASCE)BE.1943-5592.0001939).
10. Efaz\*, I, Yazdani, N. and Beneberu\*, E., *Variation of Live Load Distribution Factors for a Partially Composite Concrete I-Girder Bridge*, ACI Symposium Publication (SP), vol. 352 pp. 51-67, July 2022.
11. Momani\*, Z., Yazdani, N. and Beneberu\*, E. *In-Situ Evaluation of Bridge MSE Retaining Walls with Excessive Panel Movements*, International Journal of Civil Engineering, 21, 1257–1273 (2023). <https://doi.org/10.1007/s40999-023-00824-6>.
12. Momo\*, M. M., Yazdani, N. and Beneberu\*, E., *Quantifying Shallow Depth Concrete Delamination Using Impact Echo*, Athens Journal of Technology and Engineering, 10(3), 147-160, September 2023, <https://doi.org/10.30958/ajte.10-3-1>.
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**TEXTBOOKS, BOOK CHAPTERS, SYMPOSIUM VOLUMES (SP)  
AND SPECIAL COMMITTEE REPORTS**

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1. Yazdani, N. (Editor). *State-of-the-Practice on the Retrofit of Structures under Multi-Hazards*, ASCE-SEI Special Report (under development).
2. Yazdani, N. and Beneberu, E. *Fire Design, Protection and Investigation for Highway Bridge Structures, Textbook*, Taylor & Francis (under development).
3. Yazdani, N. (Editor) and Dymond B. (Co-Editor). *Live Load Distribution on Concrete Bridges: Design, Evaluation, Construction, Innovation*, ACI Symposium Volume SP-352, May 2022.
4. Riad, M., Yazdani, N., Almomani, Y. and Gonzalez, E., *Utilization of GPR in the Non-destructive Assessment of FRP Laminate-Concrete Bond Strength*, Proceedings of the 2nd GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures, Egypt 2018.
5. Yazdani, N., Riad, M. and Garcia, E., *Field Assessment of Concrete Structures Rehabilitated with FRP*, Chapter in the book *Introduction to Eco-Efficient Repair and Rehabilitation of Concrete Infrastructures*, 1<sup>st</sup> Edition, pp. 171-194, Elsevier, November 2017.
6. Yazdani, N. and Brown, E. R., *Wood Products: Nondestructive Evaluation*, Chapter in the Book Reference Module in Materials Science and Materials Engineering, Oxford: Elsevier, 2016. pp. 1-9.
7. Yazdani, N. and Brown, E. R., *Nanocomposites for Construction Materials*, Chapter in the Book *Innovative Developments of Advanced Multifunctional Nanocomposites*, pp. 47-58, Oxford: Elsevier, 2016.
8. Yazdani, N. and Albrecht, P., *Risk Analysis of Fatigue Failure of Highway Bridges*, Chapter in the Book *Engineering Risk Analysis and Hazard Assessment*, CRC Press, Inc., Boca Raton, Vol. II, Chapter 4, pp. 65-80, 1988.

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**CONFERENCE AND SEMINARS PRESENTATIONS (Mostly Refereed)**

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1. Yazdani, N., Koliou, M., Ling, C., *Evaluation of Anchored External Pre-Saturated CFRP Laminate as Flexural Strengthening for Precast Concrete Bridge Girders*, 11th International Conference on FRP Composites in Civil Engineering (CICE 2023), Rio de Janeiro, Brazil, July 2023.
2. Ling, C., Yazdani, N., Koliou, M., Yoo, Y., and Sengupta, D., *Slab Home Elevation: Safety and Support Decision*, Texas Sea Grant online training workshop, April 2023.
3. Ling, C., Yazdani, N., Koliou, M., Yoo, Y., and Sengupta, D., *Slab Home Elevation: Safety and Support Decision*, in TDEM 2023 Conference, May 2023.
4. Ling, C., Yazdani, N., Koliou, M., and Yoo, Y., *Safety of Residential Elevated Concrete Slabs*, in 2022 Disaster PRIMR, March 2022.
5. Rahman, M., Yazdani, N. & Beneberu, E., *Evaluation and Load Rating of an Impact Damaged Steel Girder Bridge*, Transportation Research Board (TRB) Annual Meeting, Washington, DC, January 2023.
6. Florius, N., Yazdani, N. and Beneberu, E., *Incorporating Element-level Inspections into Bridge Decision Tools*, ASCE-SEI Structures Congress, Atlanta, GA, April 2022.
7. Habeeb, K., Yazdani, N., and Solomon, B. *Numerical Analysis and Thermal Effects of Distressed Cast-In-Place Concrete*, Structural Congress 2022, Atlanta, GA, April 2022.

8. Rahman, M., Yazdani, N. & Beneberu. E., *Performance Evaluation and Load Rating of Retrofitted Non-Composite Bridge Deck*, ACI Concrete Convention, Orlando, FL, March 2022.
9. Ling, C, Yazdani, N., Beneberu, E., Koliou, M. and Yoo, Y., *Structural Performance Evaluation of Elevated Home Slabs for Flood Mitigation*, Disaster PRIMR, Denton, TX, March 2022
10. Kumar, R., Yazdani, N. & Beneberu, E., *Fire Performance of Hybrid Fiber Reinforced Self-Consolidating Concrete (HFRSCC) with Glass Pozzolan*, ACI Concrete Convention, Orlando, FL, March 2022.
11. Efaz, I. H., Yazdani, N., Beneberu, E. *Live Load Distribution Factors in an I Girder Concrete Bridge with Excessive Vibration and Partial Deck Girder Composite Action*, ACI Concrete Convention, October 2021.
12. Efaz, I.H., Yazdani, N., Beneberu, E. *Effect of Partial-Composite Action Induced Vibration on the Live Load Distribution Factor of a Prestressed Concrete I-Girder Bridge*, ACI Virtual Concrete Convention, April 2021.
13. Habeeb, K., Yazdani, N., & Solomon, B. *Structural Performance and Thermal Effects of Distressed Cast-In-Place Concrete Bridge Retaining Wall*, The Concrete Convention and Exposition, March 2021.
14. Momani, Z., Yazdani, N. and Beneberu, E., *In-Situ Evaluation of Bridge MSE Retaining Walls with Excessive Panel Movements*, TRB Annual Meeting, January 2021.
15. Yazdani, N., Almomani, Y. and Beneberu, E. *FRP Strengthening and Evaluation for Corrosion Deteriorated Bridge Bent Caps on US-80 Bridge near Dallas, TX*, ACI Fall Convention, Raleigh, NC, October 2020.
16. Yazdani, N. *NDE and Load Evaluation of SH75 Precast Concrete Bridge with Excessive Vibration*. Military Institute of Science and Technology (MIST) WebInar, Dhaka, Bangladesh, October 2020.
17. Yazdani, N. and Chaiwino, N. *Slab Home Elevations for Flood-proofing: Safety, Education, Training and Outreach*, American Society of Flood Plain Managers (ASFPM) Annual Conference, Fort Worth, TX, June 2020.
18. Yazdani, N., *Quantitative Non-Destructive Evaluation of FRP Laminate-Concrete Bond Strength using Ultrasound Tomography*, Structural Faults & Repair-2021 and European Bridge Conference-2021, Edinburgh, Scotland, June 2020.
19. Yazdani, N., Beneberu, E. and Riad, M. *Non-Destructive Evaluation of FRP Laminate Concrete Interface Bond with Surface Defects*, 10th Annual International Conference on Civil Engineering, ATINER, Athens, Greece, June 2020.
20. Yazdani, N., *In-Service Inspection, Condition Assessment and Diagnosis of Highway Bridges*, Costa Rican Structural Engineering Association (ACIES) Congress, August 2019 (keynote speech).
21. Yazdani, N., *Repair and Rehabilitation of Deficient Highway Bridges*, Costa Rican Structural Engineering Association (ACIES) Congress, August 2019 (keynote speech).
22. Yazdani, N., Aljaafreh\*, T., Gonzalez\*, E. and Leyva\*, J., *Flexural Behavior of Concrete Beams Strengthened with Anchored Pre-Saturated External CFRP Laminates*, MECHCOMP 2019, 5th Intl. Conference on Mechanics of Composites, Lisbon, Portugal, July 2019.
23. Yazdani, N. and Beneberu, E., *Evaluation of the Post-Fire Strength of Prestressed Concrete Bridge Girders through Concrete Compressive Strength Validation*, ASCE-SEI Structures Congress, Orlando, FL, April 2019.

24. Timilsina, S, and Yazdani, N., *Performance Evaluation of a Fire Damaged and FRP Laminate Strengthened Reinforced Concrete Bridge*, ASCE-SEI Structures Congress, Orlando, FL, April 2019.
25. Yazdani, N., and Baniya, A., *Performance of Light-Frame Residential Wood Structures under Combined Wind and Flood Hazards*, The 3rd Int'l Conference on Disaster Prevention and Public Safety (DPPS 2019), Kunming, China, May 2019.
26. Yazdani, N. and Montero\*, M., *Retrofitting of Impact Damaged and Repaired Concrete Bridge Girders with GFRP Rebars*, ICCRRR 2018 Conference, Cape Town, South Africa, November 2018.
27. Yazdani, N., Hasan\*, I. and Raju\*, R. K. *Estimation of Embedded Concrete Rebar Corrosion with GPR Surface Scanning*, International Workshop on Durability and Sustainability of Concrete Structures, Moscow, Russia, June 2018.
28. Riad\*, M. and Yazdani, N., *Utilization of Ground Penetrating Radar (GPR) in the Non-Destructive Assessment of FRP Laminate-Concrete Bond Strength*, GeoMEast 2018, Cairo, Egypt, November 2018.
29. Yazdani, N. and Chaiwino\*, N., *Elevated Slab Homes: Design and Construction Considerations*, 2018 Louisiana Civil Engineering Conference, Kenner, LA, September 2018.
30. Aljaafreh, T., Beneberu, E. and Yazdani, N., *Strengthening of Laterally Damaged Bridge Girders with Pre-saturated CFRP and Different Types of Anchors*, CAMX – The Composites and Advanced Materials Expo, Dallas, TX, October 2018.
31. Timilsina\*, S., Yazdani, N., Almomani\*, Y. and Uribe\*, A. *In-Service Evaluation of a Fire Damaged and FRP Laminate Strengthened Reinforced Concrete Bridge*, ACI Spring Convention, Salt Lake City, UT, March 2018.
32. Chaiwino\*, N. and Yazdani, N., *Repair and Strengthening of Elevated Slabs on Grade with FRP Laminates: Experimental Study*, SEI Structures Congress, Fort Worth, TX, April 2018.
33. Beneberu\*, E. and Yazdani, N., *Residual Strength of Concrete Bridge Girders after Hydrocarbon Pool Fire Exposure*, SEI Structures Congress, Fort Worth, TX, April 2018.
34. Almomani\*, Y. and Yazdani, N., *In-Situ Evaluation of FRP Strengthening for Corrosion Deteriorated Bridge Bent Caps*, ACI Spring Convention, Salt Lake City, UT, March 2018.
35. Yazdani, N. and Beneberu\*, E., *Post-Fire Residual Strength in Precast Bridge Girders*, PCI Convention and National Bridge Conference, Denver, CO, February 2018.
36. Beneberu\*, E. and Yazdani, N., *Performance of Composite Concrete Bridge Deck under Hydrocarbon Pool Fire Exposure*, PCI Convention and National Bridge Conference, Denver, CO, February 2018.
37. Haider\*, A. M. and Yazdani, N., *Mechanical Behavior of Reinforced Concrete Circular Columns with CFRP*, MECHCOMP3 – 3<sup>rd</sup> International Conference on Mechanics of Composites, Bologna, Italy, July 2017.
38. Beneberu\*, E. and Yazdani, N., *Instrumentation Challenges for Open Pool Hydrocarbon Fire Experiment on Full Scale Concrete Bridge Girders*, Western Regional Strain Gage Committee Annual Meeting, Arlington, TX, March 2017.
39. Beneberu\*, E. and Yazdani, N., *Performance of an FRP Strengthened Bridge under Combined Live Load and Hydrocarbon Pool Fire*, SEI Structures Congress, Denver, CO, April 2017.
40. Hasan\*, M.D.I. and Yazdani, N., *NDT Application in Forensic Investigation of Embedded Rebar in Concrete Using GPR*, Concrete Solutions 2016 Conference, Thessaloniki, Greece, June 2016.



41. Haider\*, A. M. and Yazdani, N., *Structural Retrofit of Reinforced Concrete Circular Columns using CFRP*, 12<sup>th</sup> International Conference on the Durability of Concrete Structures, Arlington, TX, June 2016.
42. Pallemapati\*, C., Beneberu\*, E., Yazdani, N. and Patel, S., *Condition Assessment of Fiber Reinforced Polymer Strengthening of Concrete Bridge Components*, Transportation Research Board (TRB) Annual Meeting, Washington, DC, January 2016.
43. Goucher\*, E. and Yazdani, N., *Corrosion Reduction in Lightweight Concrete with Fiber Reinforced Polymer Wrapping*, Transportation Research Board (TRB) Annual Meeting, Washington, DC, January 2016.
44. Hasan\*, M.D.I. and Yazdani, N., *Estimation of Embedded Rebar Diameter in Concrete using Ground Penetrating Radar*, Transportation Research Board (TRB) Annual Meeting, Washington, DC, January 2016.
45. Hasan\*, M.D.I. and Yazdani, N., *Quantitative Estimation of Rebar Corrosion in Concrete using Ground Penetrating Radar*, Transportation Research Board (TRB) Annual Meeting, Washington, DC, January 2016.
46. Thompson, L.K., Deguia-Cranmer, T. and Yazdani, N., *UT Arlington NSF Spain International Research Experiences for Students (IRES) Collaboration for Civil Engineering*, National Access, Diversity, and Excellence Summit, Miami, FL, July 2015.
47. Pallemapati, C., Beneberu, E., Yazdani, N. and Patel, S., *Pull-Off Testing of Fiber Reinforced Concrete (FRP) Wrapping on Highway Bridges*, Intl. Concrete Repair Institute (ICRI) Fall Convention, Fort Worth, TX, October 2015.
48. Mohanamurthy, M. and Yazdani, N., *Flexural Design Strength Prediction in Concrete Bridge Girders Strengthened with Fiber-Reinforced Polymer*, Transportation Research Board (TRB) Annual Meeting, Washington, DC, January 2015.
49. Goucher, E. and Yazdani, N., *Chloride Infusion and Durability in Lightweight Concrete with Fiber-Reinforced Polymer Wrapping*, Transportation Research Board (TRB) Annual Meeting, Washington, DC, January 2015.
50. Yazdani, N. and Goucher, E., *Corrosion Potentials of Lightweight Concrete Wrapped with Fiber Reinforced Polymer (FRP)*, Structural Faults + Repair 2014 Conference, London, U.K., July 2014.
51. Yazdani, N. and Singh, B., *Effect of Time Dependent Concrete Modulus of Elasticity on Prestress Losses in Bridge Girders*, 4th International Structural Specialty Conference, Nova Scotia, Canada, May 2014.
52. Yazdani, N. and Mohanam, V., *Carbon Nano-tube and Nano-fiber Enhancement of Cement Mortar*, 22nd Annual International Conference on Composites or Nano Engineering, Malta, July 2014.
53. Yazdani, N. and Garcia, G., *Effect of FRP Wrapping on Concrete Chloride Penetration and Concrete Cover*, Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 2014.
54. Hasan, M. I. and Yazdani, N., *Investigation of Inadequate Concrete Covers in a New Bridge Deck Using Ground Penetrating Radar*, Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 2014.
55. Yazdani, N. and Haque, F., *Enhancing Blast Performance of AASHTO Type Concrete Bridges with FRP Strengthening*, ASCE Texas Section Annual Meeting, Dallas, TX, September 2013.
56. Hasan, M. I. and Yazdani, N., *Contour Mapping of Bridge Deck Clear Cover using Ground Penetrating Radar*, ASCE Texas Section Annual Meeting, Dallas, TX, September 2013.

57. Mohanamurthy, M. and Yazdani, N., *Fiber Reinforced Polymer (FRP) Strengthening for Concrete Bridges – Comparison of Codal Provisions*, 2013 PCI Conference, Grapevine, TX, September 2013.
58. Manzur, T, Islam, M.K. and Yazdani, N., *Getting ABET Accreditation: Identifying Challenges, Problem and Prospects for BUET: A Case Study*, ASEE 2013 Gulf-SW Conference, Arlington, TX, March 2013.
59. Yazdani, N., Hossain, S., Hossain, J. and Shumac, W., *Forensic Investigation of Deteriorated Concrete in Plantation East Culverts, City of Benbrook, Texas, U.S.A.*, 3rd Annual International Conference on Civil Engineering, Athens, Greece, June 2013.
60. Reynolds, D., Yazdani, N. and Manzur, T. *STEM High School Teaching Enhancement Through Collaborative Engineering Research on Extreme Winds*, ASEE 2013 Gulf-SW Conference, Arlington, TX, March 2013.
61. Yazdani, N. and Mohanam, V., *Carbon Nano-tube and Nano-fiber Enhancement of Cement Mortar*, First International Conference on Advanced Nano Composite for Construction Materials (ICNC 2013), Kerala, India, March 2013.
62. Ojha, J. and Yazdani, N., *Water Permeability in Fiber Reinforced Plastic (FRP) Wrapped Concrete*, presented at the 6<sup>th</sup> Civil Engineering Conference in the Asia Region (CECAR6), Jakarta, Indonesia, August 2013.
63. Manzur, T. and Yazdani, N., *Importance of Flow Values in Quality Evaluation of Surface Treated Multiwalled Carbon Nanotubes Reinforced Cementitious Mix*, NiCom3: the 3<sup>rd</sup> International Conference on Nanotechnology in Construction, Crete, Greece, May 2012.
64. Yazdani, N. and Gomes D. Oliveira, *Concrete Bridges – Sustainability Issues*, presented at the International Congress on Durability of Concrete, Trondheim, Norway, June 2012.
65. Gomes D. Oliveira and Yazdani, N., *Climate Based Application of FRP for Concrete Durability*, 6<sup>th</sup> Middle Eastern Symposium on Structural Composites for Infrastructure Applications, Luxor, Egypt, December 2011.
66. Manzur, T. and Yazdani, N., *Issues Related to Nano Modified Cement Composites with Carbon Nanotube Addition*, 9<sup>th</sup> Symposium on High Performance Concrete, Christchurch, New Zealand, July 2011.
67. Manzur, T. and Yazdani, N. *Flexural Strength of Surface Treated Multiwalled Carbon Nanotubes Reinforced Cement Composites*. 19th Annual International Conference on Composites, Nano or Metals Engineering, Shanghai, China, July 24-30, 2011.
68. Yazdani, N. and Manzur, T., *Factors Effecting Behavior of Surface Treated Multiwalled Carbon Nanotubes-Cement Composites*. 19th Annual International Conference on Composites, Nano or Metals Engineering, Shanghai, China, July 24-30, 2011.
69. Yazdani, N., *Sustainability of Concrete Bridges*, International Concrete Sustainability Conference, Dubai, U.A.E., December 2010.
70. Yazdani, N., Filsaime, M. and Manzur, T., *Accelerated Curing of Concrete Bridge Piles with Silica Fume*, ACI Fall Convention, Pittsburgh, PA, October 2010.
71. Manzur, T. and Yazdani, N., *Strength Enhancement of Cement Mortar with Carbon Nanotubes: Early Results and Potential*, First International Conference in North America on Nanotechnology in Cement and Concrete, Irvine, CA, May 2010.
72. Yazdani, N., Weatherton, Y., Daza, S. and Reynolds, D., *UT Arlington RET Site on Hazard Mitigation*, NSF Education Conference, Arlington, VA, February 2010.

73. Yazdani, N. and Manzur, T., *Effect of Carbon Nanotubes on the Properties of Cement Mortar*, presented at NiCom3: the 3<sup>rd</sup> International Conference on Nanotechnology in Construction, Prague, Czech Republic, May 2009.
74. Yazdani, N., Weatherton, Y., Daza, S. and Reynolds, D., *UT Arlington RET Site on Hazard Mitigation*, NSF Education Conference, Arlington, VA, February 2009.
75. Yazdani, N. and Enam, B., *Concrete Bridge Design for Extreme Flood Effect*, American Concrete Institute (ACI) Fall 2008 Convention, St. Louis, MO, November 2008.
76. Tawfiq, K., Robinson, B. and Yazdani, N., *Analytical Performance of Anchorage Zone in Post-tensioned Fiber Reinforced Concrete Girders*, 6th International Conference on Analytical Models and New Concepts in Concrete and Masonry Structures, AMCM 2008, Lodz, Poland, June 9 - 11, 2008.
77. Islam A. K. M. and Yazdani, N., *Impact of Blast load on AASHTO Girder Bridges*, 1<sup>st</sup> American Academy of Mechanics Conference, New Orleans, LA, June 2008.
78. Robinson, B., Tawfiq, K. and Yazdani, N., *Performance of Post-Tensioned Concrete Anchorage Zones with Steel Fiber Reinforced Concrete*, 2008 Concrete Bridge Conference, St. Louis, MO, May 2008.
79. Enam, B., Mtenga, P., Tawfiq, K. and Yazdani, N., *Fatigue Evaluation of Structural Composite Lumber (SCL) T-Beam Bridge Girders*, ASCE-SEI Structures Congress, Long Beach, CA, May 2007.
80. Islam, A. and Yazdani, N., *Blast Capacity and Protection of AASHTO Girder Bridges*, 4<sup>th</sup> Forensic Congress, Cleveland, OH, October 2006.
81. Tawfiq, Johnson, S., Robinson, B. and Yazdani, N., *Finite Element Analysis of Anchorage Zone in Post-Tensioned Fiber Reinforced Concrete Girders*, to be presented at SEMC 2007, 3rd International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa, September 2007.
82. Islam, A. and Yazdani, N., *Effect of Blast Loading on AASHTO Type Highway Bridges*, ASCE 2006 Structures Congress, St. Louis, MO, May 2006.
83. Yazdani, N., Enam, M. and Reid, C., *Evaluation of Seismic Susceptibility of Florida Highway Bridges*, American Concrete Institute (ACI) 2006 Spring Convention, Charlotte, NC, April 2006.
84. Yazdani, N., Townsend, T. and Kilcollins, D., *Hurricane Wind In-Home Shelter Retrofit Room for Existing Houses*, First International Conference on Safety and Security Engineering, Rome, Italy, June 2005.
85. Yazdani, N., Green, P., Haroon, S. and Braden, C., *Large Wind Missile Impact Performance of Public and Commercial Building Assemblies*, 2005 National Hurricane Conference, New Orleans, LA, March 2005.
86. Yazdani, N., McKinnie, B. and Haroon, S., *Time Dependent Compressive Strength Variation in Florida Concrete*, Annual Transportation Research Board (TRB) Meeting, January 2005.
87. Yazdani, N., McKinnie, B. and Haroon, S., *Modulus of Elasticity Models for FDOT Concrete*, Transportation Research Board (TRB) Meeting, January 2005.
88. Tawfiq, K. Abichou, T. and Yazdani, N., *Evaluation of Construction Vibrations on Green Concrete*, 2<sup>nd</sup> International Conference on Protection of Structures Against Hazards, Singapore, December 2004.
89. Yazdani, N., Townsend, T. and Kilcollins, D., *Development of In-Home Hurricane Wind Shelter Retrofit Room Technology*, 2004 National Hurricane Conference, Orlando, FL, April 2004.

90. Haroon, S., Yazdani, N. and Tawfiq, K., *Acceptance of Fiber Reinforced Concrete Application in the End Zone of Post-Tensioned Bridge Girders*, Annual Transportation Research Board (TRB) Meeting, Washington, DC, January 2004.
91. Yazdani, N., Haroon, S. and Spainhour, L., *Application of Fiber Reinforced Concrete In the End Zones of Post-Tensioned Bridge Girders*, 2003 American Concrete Institute (ACI) Fall Convention, Boston, MA, October 2003.
92. Yazdani, N., Johnson, E. and Duwadi, S., *Creep Effect on Structural Composite Lumber (SCL) in Bridge Applications*, 2003 ASCE Structures Congress, Seattle, WA, May, 2003.
93. Jin, Y., Yazdani, N., Bergin, M. and Mujtaba, G., *Substitution of Fly Ash, Slag and Admixtures in Concrete Mix Designs*, American Concrete Institute (ACI) 2002 International Conference, Cancun, Mexico, December 2002.
94. Spainhour, L.K., Wootton, I.A. and Yazdani, N., *Effect of Composite Fiber Wraps on Corrosion of Reinforced Concrete Columns in a Simulated Splash Zone*, Third International Conference on Composites in the Infrastructure, San Francisco, CA, June 2002.
95. Wootton, I.A., Spainhour, L.K., and Yazdani, N., *Onset and Rate of Corrosion in CFRP Wrapped Reinforced Concrete Cylinders*, Third International Conference on Composites in the Infrastructure, San Francisco, CA, June 2002.
96. Haroon, S., Yazdani, N. and Spainhour, L., *Application of Steel Fiber Concrete In the End Zones of Post-Tensioned Bridge Girders*, 2002 ASCE Structures Congress, Denver, Colorado, April 2002.
97. Green, T., Yazdani, N., Spainhour, L. and Cai, C.S., *Intermediate Diaphragm Effects on Concrete Bridge Performance*, 2002 Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 2002.
98. Johnson, E., Yazdani, N. and Duwadi, S., *Creep Effect on Structural Composite Lumber (SCL) in Bridge Applications*, 2002 Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 2002.
99. Yazdani, N. and Islam, A. K. M., *Post Storm Reconstruction Model for Coastal Habitable Structures*, International Conference on Coastal Engineering Development, Singapore, December 2001.
100. Green, T., Yazdani, N., Spainhour, L., and Cai, C.S., *Effect of Bearing Stiffness, Intermediate Diaphragm and Thermal Change on Precast Bridge Girders*, 2001 American Concrete Institute (ACI) Fall Convention, Dallas, Texas, October 2001.
101. Wootton, I.A., Spainhour, L.K., and Yazdani, N., *FRP Wrapping of Reinforced Concrete Cylinders for Improved Corrosion Performance*, Florida Section Annual Meeting, American Society of Civil Engineers (ASCE), St. Petersburg Beach, FL, September 2001.
102. Green, T., Yazdani, N., Spainhour, L. and Cai, C.S., *Effect of Bearing Stiffness and Skew Angle on Precast Prestressed Bridge Girders*, 2001 Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 2001.
103. Johnson, E. and Yazdani, N., *Long Term Durability Performance of Structural Composite Lumber in Bridge Members*, 2001 Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 2001.
104. Ach, J. and Yazdani, N., *Torsional Behavior of Thin Spandrel Beams*, 2000 Precast/Prestressed Concrete Institute (PCI) Annual Convention, Orlando, FL, September 2000.

105. Wuttrich, R., Wekezer, J., and Yazdani, N, *Finite Element Modeling in Analysis and Retrofit Of Bridge Fender Systems*, ICrash 2000 Conference, organized by The Editorial Members of The International Journal of Crashworthiness, London, UK, September 2000.
106. Yazdani, N., Woodruff, P. and Gates, E., *Post-Storm Foundation Reconstruction Model for Florida Coastal Structures*, 27<sup>th</sup> International Conference on Coastal Engineering (ICCE 2000), Melbourne, Australia, July 2000.
107. Yazdani, N., Wekezer, J., Wilson, C. and Wuttrich, R., *Investigation of Bridge Fenders for Ship Impact*, ASCE Structures Congress, Philadelphia, Pennsylvania, May 2000.
108. Wuttrich, R., Wekezer, J., Yazdani, N., and Toth, J. *Crashworthiness of Bridge Fenders Impacted by a Barge*, EM2000 - Fourteenth Engineering Mechanics Conference, ASCE, Austin, TX, May 2000.
109. Wuttrich, R., Wekezer, J., Yazdani, N. and Toth, J. *LS-DYNA Analysis and Retrofit of Bridge Fender Systems*, TRANSPRO 2000 Conference Proceedings, Orlando, Florida, April 2000.
110. Yazdani, N., Bergin, M. and Mujtaba, G., *Durability Considerations in Bridge Concrete with Pumping Placement*, 2000 Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 2000.
111. Yazdani, N., Kainz, J., Kadnar, J. and Ritter M., *Effect of Treatment Process and Anchorage on Bar Forces in Stress-Laminated Southern Pine Bridge Decks*, 2000 Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 2000.
112. Yazdani, N., Eddy, S. and Cai, C.S., *Effect of Bearing Pads on the Performance of Prestressed Bridge Girders*, 2000 Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 2000.
113. Yazdani, N., Bergin, M. and Mujtaba, G., *Effect of Pumping on Properties of Bridge Concrete*, 1999 ACI Fall Convention, Baltimore, Maryland, November 1999.
114. Yazdani, N., Mtenga, P. and Richardson, N., *Long Term Deflections in Precast Prestressed Bridge Girders*, 1999 Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 1999.
115. Yazdani, N., Issa, M., and Wolfe, C., *Epoxy Jointing of Precast Bridge Segments*, 1999 Transportation Research Board (TRB) Annual Meeting, Washington, D.C., January 1999.
116. Yazdani, N., Mtenga, P., and Richardson, N., *Investigation of Camber in Precast Concrete Bridge Girders*, 1998 Structural Engineering World Congress, San Francisco, California, July 1998.
117. Yazdani, N., and Barkley, D., *Structural Investigation of Environmental Engineered Concrete Sanitary Structures*, 1998 Structural Engineering World Congress, San Francisco, California, July 1998.
118. Yazdani, N. and Barkley, D., *Design of Environmentally Engineered Sanitary Structures*, Annual Spring ACI Convention, Seattle, Washington, April 1997.
119. Yazdani, N., Ritter M. and Kainz, J., *Preservative Effect on Stress-Laminated Southern Pine Bridge Decks*, Third National Symposium on Wood Transportation Structures, Madison, Wisconsin, October 1996.
120. Yazdani, N. and Kadnar, J. *Monitoring of Three Stress-Laminated Southern Pine Bridges in Leon County*, ASCE Structures Congress, Chicago, Illinois, April 1996.
121. Yazdani, N., Long, S. and Brown, W., *Effect of Pumping on the Durability of Bridge Concrete*, 1996 American Concrete Institute (ACI) Spring Convention, Denver, Colorado, March 1996.

122. Yazdani, N. and Registe, J., *Bond and Development Length in Prestressed Concrete Piles*, American Concrete Institute (ACI) Fall Convention, Montreal, Canada, November 1995.
123. Yazdani, N., Nnaji, S. and Rambo-Rodenberry, M., *Impact of Beach Scour on Coastal Construction*, ASCE Florida Section Annual Meeting, Jacksonville, Florida, September 1995.
124. Nnaji, S., Yazdani, N. and Rambo-Rodenberry, M., *Scour Impact of Coastal Swimming Pools on Beach Systems*, 1995 Canadian Coastal Conference, Halifax, Nova Scotia, Canada, 1995.
125. Yazdani, N., El-Shahawy, O. and Issa, M., *Thermal Gradient in Precast Bridge Girders*, ASCE Structures Congress, Boston, Massachusetts, March 1995.
126. Yazdani, N. and Messidor, E., *Behavior of Concrete Bridge Pier Caps*, American Concrete Institute (ACI) 1994 Fall Convention, Tarpon Springs, Florida, October 1994.
127. Yazdani, N., *Design and Construction of Stress-Laminated Bridges in Leon County*, ASCE Florida Section Annual Meeting, Ft. Lauderdale, Florida, September 1994.
128. Yazdani, N. and Ycaza, I., *Multi-Agency Integrated Code for Coastal Construction*, International Coastal Symposium, Hornefjordur, Iceland, June 1994
129. Yazdani, N. and Ycaza, I., *Multi-Agency Integrated Code for Florida Coastal Construction*, ASCE Florida Section Annual Meeting, Greenleaf, Florida, September 1993.
130. Kadnar, J. and Yazdani, N., *Wind Design Considerations for Coastal Construction in Florida*, Coastal Zone-91 International Conference, Long Beach, California, June 1991.
131. Yazdani, N., *Prestressing Existing Steel Bridges for Strength and Safety*, joint ASCE Florida/South Florida Sections Annual Meeting, Clearwater, Florida, September 1988.
132. Yazdani, N. and Albrecht, P., *Probabilistic Fracture Mechanics Approach of Risk Assessment for Highway Bridges*, 6th Southeastern Conference on Theoretical and Applied Mechanics, Biloxi, Mississippi, April 1988.
133. Yazdani, N. and Albrecht, P., *Risk Analysis of Fatigue Failure of Three Highway Bridges*, ASCE Structures Congress, Chicago, Illinois, September 1985.
134. Yazdani, N., *Fatigue Crack Growth of Structural Steels in Various Environments*, ASCE Florida Section Annual Meeting, Cocoa Beach, Florida, October 1985.
135. Yazdani, N. and Albrecht, P., *Reliability Analysis of Extending Bridge Service Life*, 4th International Conference on Structural Safety and Reliability (ICOSSAR), Kobe, Japan, May 1985.

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## RESEARCH SUPERVISION

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### POST-DOCTORAL FELLOW SUPERVISION

1. Saif A. Haroon, Ph.D., P.E., FAMU-FSU College of Engineering, 2003-2005.
2. Eyosias Beneberu, Ph.D., P.E., UT Arlington, 2016 – present.
3. Md. Istiaque Hasan, Ph.D., UT Arlington, 2018 – present.
4. Nyoka (Amy) Florius, Ph.D., UT Arlington, 2022 – 2023.

### CHAIR OF PH.D. DISSERTATION COMMITTEES

1. Abhijeet Pal, topic TBD, expected 2026.
2. Yeasin Mostafiz, topic TBD, expected 2026.
3. Balaram Luitel, Evaluation of Non-Composite Action in I-girder Bridges, expected 2025.

4. Sadat Morshed, GIS-Based Environmental Resiliency of Bridges, expected 2025.
5. Grace Olowe, topic TBD, expected 2025.
6. Lihong (April) Mao, Automated NDE Detection of Rebar Locations in Concrete, expected Summer 2023.
7. Cedric Ling, Efficient and Safe Coastal Home Elevation for Flood Mitigation, expected Summer 2023.
8. Getnet Jibo, topic TBD, expected 2026.
9. Ahmed Alateeq, *Performance of a Precast Prestressed Concrete Bridge with Deficient Deck Panels*, Summer 2022 (Faculty member of civil engineering, Qassim University, Saudi Arabia).
10. Nyoka (Amy) Florius, *Decision Tool for Prioritizing Bridge Repair or Replacement*, Fall 2021 (Bridge Project Engineer, Garver, Frisco, TX).
11. Mohammad Qumruzzaman, topic TBD, expected 2025.
12. Eyad Alsuhaibani, *Age-Related Property Degradation of CFRP Laminate Strengthening of Concrete Structures*, 2020 (Faculty Member of Civil Engineering, Qassim University, Saudi Arabia).
13. Karzan Habib, *Structural Performance of Cast-in-Place Concrete Bridge Retaining Walls*, expected Summer 2021.
14. Ikram Efaz, *Investigation of a Concrete Bridge Deterioration with Vibration Issues*, 2020 (Structural Engineer II, Tower Engineering Solutions, .
15. Khadiza B. Jalal, *Detection of Corrosion Levels in Embedded Bridge Concrete Rebars with NDE Scanning*, Spring 2022 (.
16. Md. Mezanur Rahman, *Investigation of a Concrete Bridge Deterioration with Impact-Damaged Steel Girders*, December 2021.
17. Towfiqul Quadir, *Evaluation of Fire Affected Concrete Structures by Non-Destructive Testing Methods*, 2019 (RLWA Structural and Forensic Engineering, Arlington, TX).
18. Mai Aljaberi, *Evaluation of Anchorage Effects on FRP-Concrete Bond Behavior*, 2020 (Assistant professor of Construction, Hashemite University, Jordan).
19. Zaid Almomani, *Investigation of Excessive Movements in Bridge MSE Walls*, 2019 (Faculty Member in Civil Engineering, Univ. of Jordan, Amman, Jordan).
20. Yazan Almomani, *FRP Strengthening of Damaged or Deteriorated Concrete Bridge Bent Caps*, 2018 (Faculty member in Civil Engineering at the Univ. of Petra, Jordan).
21. Natawut Chaiwino, *FRP Retrofitting of Elevated Slab on Grade Foundations*, 2018 (Faculty member in Civil Engineering at Chiang Mai University, Thailand).
22. Santosh Timilsina, *Actual Load Performance of FRP Retrofitting Concrete Bridges*, 2018 (Structural Engineer at Parson's Inc., Portland, OR).
23. Mina Wagdy Riad, *Evaluation of FRP Bond Strength using Non-Destructive Testing Methods*, 2017 (Senior Structural Designer, HSA and Associates, La Mirada, CA).
24. Eyosias Beneberu, *Effect of Fire on FRP Strengthening of Concrete Bridges*, 2016 (Structural Engineer, Bridge-Farmer, Inc., Dallas, TX).

25. Md. Istiaque Hassan, *Quantitative Non-Destructive Evaluation of Rebar Diameter and Corrosion Damage in Concrete using Ground Penetrating Radar*, Summer 2015 (Staff Engineer I, Pennoni Associates, Philadelphia, PA).
26. Tanvir Manzur, *Evaluation of Carbon Nano-Tube Application in Structural Concrete*, summer 2011 (Professor, University of Engr. and Technology, Dhaka, Bangladesh).
27. Brenda Robinson, *Evaluation of Post-Tensioned Segmental Anchorage Zones with Fiber Reinforced Concrete*, December 2007 (CEO of Brenda Robinson Corporation, Jacksonville, FL).
28. M. Badre Enam, *Fatigue Evaluation of Structural Composite Lumber T-Beam Bridge Girders*, December 2007 (Structural Engineer at Arcadis G&M, Inc., Baton Rouge, LA).
29. Ronald Dowgul, *Deficiency Analysis of Coastal Buildings for Storm Damage Reduction*, December 2005 (A private consultant on hurricane structural mitigation, Pensacola, FL).
30. A. K. M. Anwarul Islam, *Performance Evaluation of AASHTO Type Bridges for Blast Loading*, May 2005 (Professor and Chairman of Civil Engineering at Youngstown State University, Youngstown, OH).
31. Tanya Green, *Seismic Upgrading of Unreinforced Masonry Walled Buildings Using FRP Wraps*, September 2004 (Structural Analyst for NASA Marshall Space Center in Huntsville, AL).
32. Saif A. Haroon, *Application of Fiber Reinforced Concrete in the End Zones of Post-Tensioned Bridge Girders*, February 2003 (Senior associate at TMAD Taylor and Gaines, Los Angeles, CA).

#### **CHAIR OF M.S. AND M.E. SUPERVISORY COMMITTEES**

1. Ammar Sherwani, MS, expected 2024.
2. Md. Wasif Quadri, MS, expected 2024.
3. Naima Tahsin Zenika, MS, expected 2024.
4. Moosaab Muneer Ahmed, MS, expected 2024.
5. Farhan Abir, MS, Spring 2023.
6. Shams Naqvi, MS, Spring 2021.
7. Rishabh Kumar, MS, Fall 2021.
8. Christopher Sobey, M.S., Spring 2021.
9. Mantaka Mahjabin, M.S., Summer 2020.
10. Ramya Anandhan, M.S., Summer 2020.
11. Enrique Gonzalez, Spring 2020.
12. Prem Egade, M.S., Fall 2018 (Structural Engineer, Florida Engineering, LLC, Port Charlotte, FL).
13. Ajay Baniya, M.S., Spring 2018 (Structural Engineer, Primus Builders, Inc., Atlanta, GA).
14. Ankita Lad, M.S., Spring 2018 (Project Engineer, Structural Rehabilitation Group, Washington, DC).
15. Preeti Pandey, M.S., Spring 2018 (Structural Engineer, SJH Engineers, New York, NY).



16. Prapti Sharma, M.S., Fall 2018 (Structural Engineer, Texas Dept. of Transportation, Fort Worth, TX).
17. Amanda Quisenberry, Spring 2019 (Structural EIT, Aguirre & Fields, Dallas, TX).
18. Shashank Malal, M.S., Summer 2017 (Structural Design Engineer, HSA & Associates, La Miranda, CA).
19. Haider M. Ahmed, M.S., Summer 2016 (Civil Engineer-in-Training, Stantec, Dallas, TX).
20. Rakesh Krishna Rajapete Raju, M.S., Fall 2015 (Graduate Structural Engineer, Allpro Consulting Group, Inc., Dallas, TX).
21. Narsimha Alimeneti, M.S., Fall 2015 (Bridge Designer, GM2 Associates, Inc. Bridgeport, CT).
22. Rakesh Billochode Jayanna, M.S., Fall 2015 (Project Engineer, Progressive Consultants, Inc., Minneapolis, MN).
23. Vinod Reddy Kamagini Kuntla, M.S., Fall 2015 (Structural Engineer, John H. Deerkoski and Associates, New York, NY).
24. Maria Angeles De La Flor, M.S., Summer 2015.
25. Francisco David Berrocal Ruiz, M.S., Summer 2015 (Structural Engineer, Ferrovia-Agroman, Dallas, TX).
26. Hemachand Pallemati, M.S., Fall 2014 (Project Engineer, AG&E Structural Engenuity, Addison, TX).
27. Farzia Haque, M.S., Summer 2014 (Ph.D. student, UT Arlington).
28. Muruganandam Mohanamurthy, M.S., Fall 2013 (Bridge Engineer EIT, AECOM, Dallas, TX).
29. Kyle Rodemacher, M.E., Spring 2015 (Technical Service Manager, Webber, LLC, Houston, TX).
30. Eric Goucher, M. S., Fall 2013 (Structural EIT, Innovative Engineering Associates (IEA, Inc.), Dallas, TX).
31. Gunther Garcia, M.S., Fall 2012 (Engineer I, Parsons Brinckerhoff, Dallas, TX)
32. Vinoth Mohanam, M.S., Fall 2012 (Structural Engineer, Lloyd Engineering, Inc., Houston, TX).
33. Jyoti Ojha, M.S., Summer 2012 (Civil Engineer, American Tower, Inc., Irving, TX).
34. Mohammad Irfan, M.E., April 2011 (Structural Engineer, AVR Consultants, Inc., Dallas, TX).
35. Harsha Meka, M.E., May 2010 (Hindustan Construction Co., New Delhi, India).
36. Chakravarthy Mamidipally, M.E., Fall 2010.
37. Stacy Johnson, Summer 2006 (Figg Engineering Group, Tallahassee, FL).
38. Dan Scheer, April 2005 (Manager, Production Support, Florida Dept. of Transportation, Tallahassee, FL).
39. Martine Fils-Aime, December 2004 (PBS&J, Inc., Tampa, FL).
40. Charles Reed, May 2004 (PBS&J, Inc., Tampa, FL).
41. Eric Johnson, June 2003 (Figg Engineering Group, Tallahassee, FL).
42. Bryant McKinnie, November 2002 (Dothan, AL).
43. Tanya Townsend, September 2002 (S. Florida Water Management District, West Palm Beach, FL).

44. Yingqin Jin, July 2001 (Greiner, Inc., Dallas, TX).
45. Jennifer Ach, March 2001 (Whitehead & Associates, Jacksonville, FL).
46. Tanya Green, December 2000 (completed Ph.D. in 2004; Structural Analyst for NASA Marshall Space Center in Huntsville, AL).
47. Claudia Wilson, February 2000 (Faculty member at New Mexico State University).
48. A.K.M. Anwarul Islam, January 2000 (Professor & Chairman of Civil Engineering, Youngstown State University).
49. Alan Carson, October 1999 (employed by Parsons Group, Atlanta, GA).
50. Scott Eddy, August 1998 (managing director of S. E. Engineering & Inspection, Pensacola, FL).
51. Echo Gates, May 1998 (Bureau of Beaches & Coastal Systems, Florida Department of Environmental Protection, Tallahassee, FL).
52. Clayton Wolfe, November 1997 (E.C. Driver, Inc., Raleigh, NC).
53. George Nicolopoulos, September 1997 (went back to Greece to pursue a career there).
54. Joy Kadnar, July 1997 (U.S. Department of Agriculture, Washington, DC).
55. Nigel Richardson, October 1996 (Georgia Department of Transportation, Atlanta, GA).
56. Steven Long, May 1995 (City of Pensacola, FL).
57. Doug Barkley, September 1994 (owner/director of Barkley Engineering, Inc., Tallahassee, FL).
58. Michelle Rambo, August 1994 (Associate Professor, Civil/Environmental Engineering Dept., FAMU-FSU).
59. Ossama El-Shahawy, June 1992 (T.Y. Lin, Inc., Chicago, IL).
60. Ivan Ycaza, May 1990 (went back to Panama to pursue a career there).
61. Jacques Registe, April 1988 (Owns and directs Registe & Sliger Engineers, Inc. Tallahassee, FL).
62. Erve Mesidor, February 1988 (Leon County, Tallahassee, FL).

**Member of 76 other Ph.D. Supervisory Committees and 65 M.S. /M.E. Supervisory Committees (Non-Supervisory)**

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**CONTINUING EDUCATION COURSES OFFERED**

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1. F.E. Examination Review Course (for Chi Epsilon Student Chapter), UT Arlington, 2019 – present.
2. P.E. Licensing Review Course on Reinforced Concrete Design and Structural Analysis, UT Arlington, 2007 – present.
3. P.E. License Review Course, FAMU-FSU, 1993-2002.
4. Timber Bridge Marketing Workshop, Southern Forest Products Association, Augusta, Georgia, September 1991, Speaker.
5. F. E. Examination Review Course, FAMU-FSU, 1995 – 2002.

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**CONTINUING EDUCATION/PROFESSIONAL DEVELOPMENT COURSES  
ATTENDED**

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1. Portland Cement Association (PCA) Professor's Workshop, Skokie, IL, 1999, 2006, 2012, 2018.
2. Ground Penetrating Radar (GPR) Technology Workshop, GSSI, Nashua, NH, 2011.
3. Effective College Teaching and Cooperative Learning, Felder and Brent, Arlington, Texas, 2009.
4. FSU Winter Teaching Enhancement Workshop, Tallahassee, FL, December 2003.
5. EXCEED Student/Educator/Practitioner Teaching & Learning Seminar, ASCE 2003 Annual Convention, Nashville, TN, November 2003.
6. ABET Civil Engineering Evaluator Training Workshop (CE Program Evaluator Training), ASCE 2003 Annual Convention, Nashville, TN, November 2003.
7. University of Alabama Birmingham Case Studies and Ethics in Failures Workshop, Birmingham, Alabama, July 2003.
8. NSF-SUCCEED Teaching Effectiveness Workshop, Raleigh, North Carolina, May 1994.
9. Fifth International Conference on Wind Engineering, Miami, Florida, February 1990, Paper Presenter.
10. Twenty-First Southeastern Symposium on System Theory, Tallahassee, Florida, March 1989, Treasurer.
11. Federal Emergency Management Agency (FEMA), Multi-Protection Summer Institute, Wind Engineering Training, Gettysburg, Pennsylvania, 1987.

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**UNIVERSITY SERVICE ACTIVITIES**

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**UT ARLINGTON ACTIVITIES**

- Department Chair, 2005-2013.
- Chair, Department Faculty Search Committee, 2013, 2014, 2016, 2019.
- Chair, Department Promotion and Tenure Committee, 2016 – 2020.
- Chair, Department Scholarship and Awards Committee, 2020 – present.
- Chair, Periodic Department Faculty Review Committee, 2015, 2016.
- Chair, Electrical Engr. Chair Periodic Review Committee, 2015.
- Member, Faculty Hearing Panel Committee, 2018 – 2020; 2022 – present.
- Chair, Department Grade Grievance Committee, 2012 – 2019.
- ABET Coordinator, Department of Civil Engineering, 2005 - 2012.
- Director, Non-Destructive Evaluation (NDE) Laboratory, 2012 - present.
- Director, Disaster Mitigation Group, 2006 – present.
- Chair, Strategic Planning Committee, Department of Civil Engineering, 2006 – 2012.
- Chair, Planning Committee, Civil Engineering Laboratory Building, 2008-2009.

**FAMU-FSU ACTIVITIES**

- Associate Chair, Civil & Env. Engr. Department, 1989-1997
- Chair, Graduate Committee, Civil & Env. Engr. Department, 1998-2003
- Chair, Curriculum Committee, Civil & Env. Engr. Department, 1993-1997
- Chair, Space Committee, Civil & Env. Engr. Department, 1987-1993
- Member, Space Committee, Civil & Env. Engr. Department, 1985-87, 1988, 1991  
Chair, 1996-1997
- Chair, Fundraising Committee, Civil & Env. Engr. Department, 2002-2004
- Member, College of Engr. Graduate Committee, Library Committee, Computer Committee, 1985-1995 (various years).
- Member, FAMU and FSU, Senate, Internationalization, Admissions and Curriculum, 1998 – 1995 (various years)
- Founding Faculty Advisor, FAMU – FSU ASCE Student Chapter, 1986 – 1994.  
Guided the newly formed chapter with membership drives, fund raising, attending conferences, and community services. The Chapter won overall championship at the 1990 South-Eastern ASCE Student Chapter's conference held at Vanderbilt University, Nashville, TN.

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**PROFESSIONAL SERVICE ACTIVITIES**

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**National Academy of Engineering – National Research Council**

- National Cooperative Highway Research Program (NCHRP) project panel 12-71 member, 2003-2008.

**Accreditation Board for Engineering and Technology (ABET)**

- ASCE Certified **ABET Civil Engineering Program Evaluator and Team Leader**, 2003 – present (22 programs evaluated to date).

**American Society of Civil Engineers (ASCE) and Structural Engineering Institute (SEI) Services**

- Chair (2018 - present), Member, ASCE-Structural Engineering Institute (SEI) Retrofit for Structures under Dynamic Loads Committee, 2016 - present.
- Chair, SEI Membership Committee, 2016-2019.
- Life Member, ASCE (2020 – present).
- Fellow, SEI, 2013 – present
- Fellow, ASCE, 1998 – present.
- Member, ASCE, 1984 – 1997.
- President, Vice-President, SEI Ft. Worth Chapter, 2010-2016.
- Member, SEI Committee on Bridge Management, Inspection and Rehabilitation, 2015-present.
- Chair, ACI-SEI Committee 343 on Concrete Bridge Design, 2004 - 2012.
- Secretary, SEI Committee 343 on Concrete Bridge Design, 2001-2003.
- Member, SEI Committee 343 on Concrete Bridge Design, 1997 – present.
- Member, Editorial Board, ASCE Journal of Bridge Engineering, 2003 – 2012.
- President, Vice-President, Secretary, ASCE Tallahassee Branch, 1992-1995.
- Reviewer, technical papers for the ASCE Journals of Structural Engineering, Bridge Engineering and Materials for Civil Engineering.

**American Concrete Institute (ACI) Services**

- Fellow, ACI, 2008 – present.
- Member, ACI, 1993 – present.
- Secretary, ACI – SEI Committee 343 on Concrete Bridge Design, 2001 – 2005.
- Chair, ACI - SEI Committee 343 on Concrete Bridge Design, 2004 – 2012.
- Member, ACI-SEI Committee 343 on Concrete Bridge Design, 1997 – present.
- Member, ACI Committee 544 on Fiber Reinforced Concrete, 1994-2013.

- Member, ACI Committee on Non Destructive Evaluation of Concrete, 2012-present.
- Member ACI Committee 123 on Prestressed Concrete, 1994-1998.
- Reviewer, technical papers for the ACI Structural and Materials Journals.

#### **Transportation Research Board (TRB) Services**

- Member, TRB Committee A2C01 on General Structures, 1999 – present.
- Member, TRB Committee A2E03 on Properties of Concrete, 1997 – present.
- Chair, Research Ideas Sub-Committee of TRB Committee A2E03 on Properties of Concrete, 2004 – 2008.
- Friend, TRB Committee A2C03 on Concrete Bridges, 1999 – present.
- Reviewer, technical papers for various committees.

#### **Precast/Prestressed Concrete Institute (PCI) Services**

- Member, PCI, 1995 – present.
- Member, PCI R&D Innovation Committee, 2015 - present.

#### **REFEREED JOURNAL SERVICES**

- Editorial Board Member, ASCE Practice Periodicals on Structural Design and Construction Journal, 2018-present.
- Associate Editor, ASCE Journal of Bridge Engineering, 2003 – 2012.
- Associate Editor, Composites: Part b (Engineering) Journal, Elsevier (2014 – present)
- Paper reviewer for ASCE Natural Hazards Review Journal, ASCE Journal of Structural Engineering, ASCE Journal of Bridge Engineering, ASCE Journal of Materials in Civil Engineering, ACI Structural Journal, ACI Materials Journal, TRB Transportation Research Records Journal.

#### **INVITED CHAIR OF TECHNICAL SESSIONS AT INTERNATIONAL/NATIONAL/STATE CONFERENCES**

- ACI 2023 Fall Convention, Boston, MA, October 2023.
- *Live Load Distribution in Concrete Bridges: Design, Construction and Evaluation*, ACI 2021 Fall Convention, Atlanta, GA, October 2021.
- *Evaluation, Repair and Strengthening of Bridges and Tunnels after Natural, Accidental and Man-Made Hazards*, Orlando, FL, April 2019.
- *Retrofit and Rehabilitation of Bridges for Multiple Hazards*, ASCE SEI Structures Congress, Denver, CO, April 2017.
- *Design of Concrete Bridges for Durability and Resiliency*, ASCE SEI Structures Congress, Boston, MA, April 2014.
- *Concrete Bridge Design – SEI/ACI 343 Joint Committee*, ASCE Texas Section Centennial Meeting, Dallas, TX, September 2013.
- *Seismic Effects I*, ASCE Structures Congress 2012, Chicago, IL, March 2012.

- *Design of Concrete Bridges with Innovative Materials*, ASCE Structures Congress 2012, Chicago, IL, March 2012.
- *Design of Sustainable Bridges*, ACI 2010 Fall Convention, Pittsburgh, PA, October 2010.
- *Concrete Bridge Design for Extreme Event Loading*, ACI 2008 Fall Convention, St. Louis, MO, October 2008.
- *ASCE-ACI Bridge Workshop on Enhanced Bridge Performance*, Reston, VA, February 2008 (made presentation on behalf of Committee 343, chaired breakout group on concrete bridges).
- *LRFD Application to Timber Bridges* at the 2006 ASCE Structures Congress, St. Louis, MO, May 2006.
- *Major Bridge Rehabilitation: Case Studies and Practice* at the 2006 ACI Spring Convention, Charlotte, NC, April 2006.
- *Historic Covered Bridges: Emerging Technologies* at the 2005 ASCE Structures Congress, New York, NY, April 2005.
- *Design of Highway Bridge for Durability* at the 2004 Transportation Research Board (TRB) Annual Meeting, Washington, DC, January 2004.
- *Application of Fiber Reinforced Concrete in Highway Bridges* at the 2003 ACI Fall Convention, Boston, MA, October 2003.
- *Application of Recent Research Innovations in Concrete Bridge Design* at the 2002 ASCE Structures Congress, Denver Colorado, April 2002.
- *Precast/Prestressed Concrete Bridges: Trends for the Future* at the 2001 ACI Fall Convention, Dallas, TX, October 2001.
- *Repair/Rehabilitation of Aging Concrete Structures* at the 2001 ASCE Structures Congress, Washington, D.C., May 2001.
- *Performance Evaluation of Structures* at the 2001 Transportation Research Board (TRB) Annual Meeting, Washington, DC, January 2001.
- *Cost Effective Design and Repair of Concrete Bridges* at the 2000 ACI Fall Convention, Toronto, Canada, November 2000.
- *Advanced Technology Application in Concrete Bridges* at the ASCE 2000 Structures Congress, Philadelphia, Pennsylvania, May 2000.
- *High Performance Concrete Application in Transportation Structures* at the ACI 1999 Spring Convention, Chicago, Illinois, March 1999.
- *Concrete Bridge Design* at the ACI 1998 Fall Convention, Houston, Texas; November 1998.
- *Issues on Preservative Application in Timber Bridges* at the 3rd National Symposium on Wood Transportation Structures, Madison, Wisconsin, October 1996.
- *Concrete Bridges* at the ASCE Structures Congress, Boston, Massachusetts, March 1995.

## CONFERENCE ORGANIZATION

- 2019 Costa Rican Structural Engineering Association (ACIES) Congress, San Juan, Costa Rica, July 2019.
- The 3<sup>rd</sup> Intl. Conference on Disaster Prevention and Public Safety (DPPS 2019), May 2019, Kunming, China.
- Advisory Committee Member, International Conference on Disaster Risk Mitigation (ICDRM 2017), September 23-24, 2017, Dhaka, Bangladesh

- Engineering Education Without Borders: 2013 ASEE Gulf Southwest Conference, March 21-23, 2013.
- ISUFT 2008, 5th International Symposium on Underground Freight Transportation by Capsule Pipelines and Other Tube/ Tunnel Systems, Arlington, Texas, March 20-22, 2008.

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**CONSULTING POSITIONS**

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2020 – present	Development of Structural Engineering Registration program, Bangladesh (World Bank)
2015 – present	Various local ISDs, tornado sheltering evaluation
2017 – 2018	Evaluation of concrete bridges, Saudi Arabia
2017 – present	Building evaluations, Terracon, Dallas, TX
2014	Texas Motor Speedway Stadium, Denton, TX, wind evaluation
2009 - 2010	Culvert evaluations, City of Benbrook, TX
2004 – 2006	Invited Professional Team Member, FL Commission on Hurricane Loss Projection Methodology
1992 – 2005	Vista Engineering, Inc., Tallahassee, FL, President.
2002 – 2005	Wind mitigation projects, Sarasota County Emergency Management, FL
2004 – 2006	Ministry of Rural and Municipal Affairs, Kingdom of Saudi Arabia
2001	U.S. Army Corp of Engineers, Structures Office, Jacksonville, FL and San Juan, Puerto Rico
1993 - 1996	Florida Department of Transportation, Leader of Metrication Task Force
1990 – 1995	Jefferson County, FL, Timber bridge design and inspection
1990 - 1992	Leon County, FL, Timber bridge design and inspection
1987 - 1989	Florida Department of Transportation, Bridge Design
1985 - 1988	Kaiser Engineering, Inc., Tallahassee, FL, Structural Design.
1982 - 1984	Greiner Engineers, Inc., Baltimore, MD, Structural Design
1976 - 1979	Engineers Syndicate, Dhaka, Bangladesh, Structural Design

**Consulting Projects (Selected)**

- Apartment buildings, water tanks, and highway bridges, Dhaka Bangladesh
- Highway overpass on U.S. 301 over Maryland Rt. 1, Laurel, MD
- Retrofitting - Anacostia River Bridge on Capital Beltway, Washington, D.C.
- Rehabilitation - several steel bridge exit/entrance ramps on I10 near Pensacola, FL
- Parking garage, Mobile, AL
- Office building, Piedmont Ave. near Thomasville Road, Tallahassee, FL
- Three timber bridges (two-Capitol Road, one-Wadesboro Road), Leon County, FL
- Ward Creek Bridge (200 ft. long timber), Jefferson County, FL
- Metrication of Florida Department of Transportation Specifications



- Seismic evaluation of several concrete bridges, San Juan, Puerto Rico
- Wind evaluation of various buildings in Sarasota County, FL
- Hurricane mitigation of Florida House Learning Center, Sarasota, FL
- Leon County, FL, Parking Garage rehabilitation
- Jamarat Bridge Replacement project, Makkah, Saudi Arabia
- Box culverts, City of Benbrook, TX
- Texas Motor Speedway investigation, Denton, TX
- Evaluation of school buildings for tornado sheltering
- Evaluation of concrete bridges, Saudi Arabia.