



NUR YAZDANI, PH.D., P.E., FASCE, FACI, FSEI
Professor and Former Chairman
Department of Civil Engineering
University of Texas at Arlington

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August 19, 2014

RE: Associate Dean of Engineering, San Diego State University

Dear Sir/Madam:

It is my great pleasure to apply for the advertised Associate Dean of Engineering position at San Diego State University. I am excited to learn about this excellent opportunity and I believe that I possess the desired blend of significant administrative experience, leadership, team building, fund raising, academic background, research expertise, knowledge of federal/state rules for grants and research, practical experience and service activities to fulfill the requirements of the position. With over 30 years of professional experience and national/international reputation, I shall be able to contribute significantly to the university. I have attached the long version of my resume with this letter for your review. This letter focuses on the following main issues: a brief description of our Department and College, and summaries of my administrative, teaching, research, service and consulting experiences.

In summer of 2012, I stepped down as the Chairman of the Department of Civil Engineering (CE) at the University of Texas at Arlington (UTA) after almost seven years of service. I joined the department as the chairman at a critical juncture for UTA and the College of Engineering (COE). UTA hired a new President and a Provost in the two years previous to my move here. Together with the COE Dean, these visionary leaders helped UTA in embarking on a journey of unprecedented growth and ambition. I was fortunate to join UTA at this critical time. Since then, UTA has been firmly committed to become a Tier 1 University in the large Dallas-Ft. Worth (DFW) metropolitan and the north Texas areas. UTA student population is now more than 34,000 (36% increase since 2007). The COE now has more than 4000 students (22% increase since 2007). A new 234,000 sq. ft. engineering research building was opened in 2010. The COE graduate school is ranked by *U.S. News and World Report* as one of the best in the nation. As the CE Department Chairman at UTA, I was able to align the department with this ambition through unprecedented expansion on all fronts. The CE Department currently has 421 undergraduate students (30% increase since 2007), 141 master's students, 62 doctoral students (60% increase since 2007) and 21 faculty members. It has successfully handled two ABET accreditation visits since my arrival (2006 and 2012). The Department is currently thriving with excellent instructors, heavily funded high-profile research programs, a well-populated graduate program, excellent connections with the significant industrial base in the DFW area and a dedicated/committed group of alumni. The current total external research funding is close to \$11 million. A 25,000 sq. ft. civil engineering laboratory building was opened in 2008. I shall be able to bring with me my administrative experience from the very successful expansion of the COE and the Civil Engineering Department at UTA.

Previous to joining UTA, I worked as an Associate Chairman in the Civil & Environmental Engineering Department at the Florida A&M University – Florida State University (FAMU – FSU) College of Engineering. I was the fourth faculty hired in the department (and the first faculty in the Structural Engineering area). The College faculty had to withstand the growing pains associated with a new college through hard work and initiatives. Some of my notable activities during the first few years were: installing new structures related courses, developing a new structures laboratory, creating and acting as Faculty Advisor for a new ASCE Student Chapter, work towards the first ABET accreditation for the Department, assist in hiring faculty, initiate graduate programs, and initiate research activity. When I left in 2005, the FAMU-FSU College of Engineering had close to 2,100 students, 110 faculty members, and 300 graduate students. Two engineering buildings were added in 1986 and 1998. I was awarded tenure with promotion to Associate Professor rank in 1989, and subsequently promotion to full professor rank in 1995.

Administrative Experience

I have significant experience in academic administration, especially because I served as the Chairman of the CE Department at UTA for close to seven years (since fall 2005). The CE program at UTA is the only one of its kind at a public university in the DFW and the north Texas region, offering ample employment opportunities. The College of Engineering is one of the largest engineering colleges in Texas. The CE Department is one of the fastest growing departments within the College. Student enrollment and external research funding have increased about 200% and 600% over the last ten years, respectively. In 2012-2013, the CE Department sponsored research awards and expenditures were \$2.25 million and \$2.64 million, respectively. New initiatives with the significant industrial base in the DFW Metroplex are being pursued. Multi-disciplinary research/education centers in areas of national/international critical needs are being expanded and established. In this process, the Department hopes to significantly contribute towards UTA's efforts to bring a Tier I university status to the DFW and north Texas area. Additional information about the UTA CE Department can be found at <http://www.uta.edu/ce>.

My able leadership was a driving force behind the significant qualitative and quantitative growth in the CE Department at UTA. Details of my successes as the Chairman are presented in my resume. Some key successes are as follows:

- Significant growth in student enrollments
- Expansion of the Ph.D. program and initiation of BS-PhD and master's-PhD tracks.
- Unprecedented growth in sponsored research activity (500% since my arrival)
- Two successful ABET accreditation visits (2006, 2012)
- Implementation of a Department Strategic Plan and a Faculty Workload Model
- Establishment of new areas of study and research
- Establishment of exciting, critical and in-demand multi-disciplinary research facilities: Center for Disaster Mitigation, Accelerated Pavement Testing Facility, Center for Sustainable Resource Management
- Hiring of nine start quality faculty members in key areas
- Expansion of fund raising, alumni and industrial networking
- Establishment of two endowed professorships
- Development of a new civil engineering laboratory

I received prior administrative experience as the Associate/Acting Chairman during 1989 – 1997 in the Civil & Environmental Engineering Department at FAMU-FSU College of Engineering. On many occasions and for extended periods, I served as the Acting Chairman for the Department. My expertise included personnel administration, budgeting, liaison with the Dean's Office and the universities, course scheduling, curriculum development, ABET preparation and visitation, and general departmental leadership. In addition, the present and past chairpersons of the department greatly benefited from my advice and expertise on key administrative issues. My role as the Department Graduate Coordinator at FAMU-FSU was instrumental in the expansion of the M.S. program, initiation and expansion of the Ph.D. program, and recruitment of graduate students. As the Structural Engineering group leader, I led significant efforts from the group in research projects, curriculum development, laboratory improvement, industrial networking, and interdisciplinary efforts with other areas and departments. I also spearheaded the department Fund Raising Committee. Since its inception, I also served as the Director of the multi-disciplinary Infrastructure Research Laboratory at FAMU-FSU.

Research and Scholarly Experience

I have been very successful in attracting externally funded research projects to UTA and to FAMU-FSU during my appointment there. Since 1986, the total external research funding has been about \$9 million, and about \$14.5 million including Centers and Partnerships. This amount is the total allocated funds based on my share as the Principal or the Co-Principal Investigator. Funding sources have included a wide variety of federal, state and local sources, such as the Federal Highway Administration (FHWA), the National Science Foundation (NSF), U. S. Department of Transportation (USDOT), Federal Emergency Management Agency (FEMA), U. S. Army, U. S. Department of Agriculture (USDA), National Ocean & Atmospheric Association (NOAA), Florida Department of Transportation (FDOT), Texas Department of Transportation (TxDOT), Florida Department of Environmental Protection (FDEP), and the Sea Grant program. My research has been primarily focused on three critical areas of concern worldwide. The first area is *the design and improvement of highway bridge infrastructure*. Many of the country's bridges are either structurally or functionally deficient and/or obsolete. Agencies do not have sufficient funds to repair or replace all the suspect bridges. My research has been very successful in finding and applying technology towards improving the safety, durability and performance of these bridges. The second area of my research focus has been *hazard preparation, mitigation, response and recovery of civil infrastructure due to extreme events*. Recent years have demonstrated the potential and devastating effects of various hazards such as hurricanes, earthquakes, flooding, blast effects, telecommunication failures, hazardous material spill, etc. on the civil infrastructure. My research teams have been looking at combinations of these hazards that a community may face, and the cascading effect among potential hazards. Faculty and personnel from various other departments, state agencies, federal agencies, and the industry have been involved in these activities. An expanded Center for Disaster Mitigation (CDM) has been established under my directorship at UTA. Multi-disciplinary team members from civil engineering, electrical engineering, urban planning, computer science, geology, economics and social science are involved. In addition, my research collaboration has included partnerships with government and private sectors, such as the City of Arlington, TX, Michael Baker Assoc., Arlington, TX, Sarasota, Lee and bay Counties in Florida, Barkley Consulting Engineers in Tallahassee, FL, and S.E Engineers in Pensacola, FL. The third area of my research focus has been improvement of Engineering Education in the P-12, university and post-college levels, involving P-12 students/teachers and undergraduate students. My research work has been well

recognized locally, nationally and internationally. This is evidenced by the magnitude and source of sponsored research funding, number, quality and citation of my refereed journal publications, my visibility in world renowned professional societies, and the number of successful graduate students that I have supervised. For example, I was an invited Associate Editor of the ASCE Journal of Bridge Engineering, and I was selected to serve on the National Cooperative Highway Research Program (NCHRP) panel. I was also an invited Professional Team member of the Florida Commission on Hurricane Loss Projection Methodology. Research results from my projects have been widely adopted and practiced, mostly by state and federal agencies. Examples include the improvement of FDOT and TxDOT bridge concrete technology, and utilization of steel fibers and fiber reinforced polymer (FRP) strengthening in prestressed bridge girders. An in-home hurricane shelter technology that I developed was adopted by the state of Florida as part of its emergency management plan. The technology raised immense public interest and publicity in Florida and elsewhere, especially in light of the hurricane risk in the state. My exceptional publication record is evidenced through 81 refereed journal publications, 81 refereed conference presentations and proceedings, and 37 research reports. As a result of my research excellence, I received the prestigious 2005 Davis Productivity Award from the State of Florida and the UTA Research Excellence Awards in 2008 and 2009.

As the Chairman of Civil Engineering at UTA, administrative duties were my utmost priority. However, I also continued to generate research funding, scholarly activities and graduate student supervision based on my available time. The effort has been successful because I have formed multi-disciplinary research teams expanding beyond civil engineering and also involving junior faculty members. I have expanded my research effort in engineering education through the successful procurement of major NSF funding through its Research Experience for Teachers (RET) and Research Experience for Undergraduates (REU) programs. I have also undertaken research on using novel materials such as carbon nanotubes in concrete. I have recently established a Non Destructive Evaluation (NDE) laboratory at UTA that allows the evaluation of aging infrastructure.

Teaching Related Experience

I have taught many structures related courses at UTA and FAMU-FSU over the years. I truly enjoy teaching real life design oriented courses. Student evaluations have consistently been in the “excellent” range. I like my reputation among students for being a “tough but fair”, caring, accessible, organized and objective/outcome oriented instructor, who seldom sacrifices instruction quality. Teaching should be one of the top priorities of university faculty, and I keep this in mind when I deal with our customers (students). Maintaining and enhancing my teaching excellence have needed hard work on my part, because I have simultaneously carried out extensive administrative, research, scholarly, consulting and service activities. My students have benefited from the practical aspects I have brought to the classroom, based on my research and consulting experience. I strongly believe that active learning is much more effective than passive learning, both inside and outside the classroom. Students respond well to visual teaching styles (as opposed to mostly verbal), deductive rather than an inductive approach, a global viewpoint instead of only sequential approach, and a sensory rather than an intuitive process. In recent years, my courses have been geared towards Distance Learning with detailed dedicated course web pages on the Blackboard system. I have headed the NSF funded RET and REU projects at UTA, and the NSF funded Southeastern University and College Coalition for Engineering Education (SUCCEED), a coalition of eight engineering colleges for the betterment of

engineering education. The evidence of my excellent teaching skills is my nomination for the 2005 University Teaching Award at FAMU-FSU. I have supervised (or currently supervising) a total of 48 graduate students, out of which 10 are Ph.D. and 39 are master's students. The students graduating under my supervision have been very successful in attracting and progressing in excellent careers of their own.

Service Experience

My significant service experience as Department Chairman and Associate Chairman has been discussed previously. Additionally, my service experience includes university senatorships, committee chairmanships and professional service. I have headed faculty, chairman and Dean's search committees, and curriculum, graduate and space committees over the years. Professionally, I have been very active in national societies such as the American society of Civil Engineers (ASCE), ASCE Structural Engineering Institute (SEI), American Concrete Institute (ACI) and the Transportation Research Board (TRB). I am a Fellow of the ASCE, ACI and SEI. I am presently chairing the SEI Ft.Worth Chapter. I am a past treasure, vice-president and president of the ASCE Tallahassee (FL) Branch. Currently, I am chairing the ACI-SEI Joint Committee 343 on Concrete Bridge Design. As part of the committee activities I have been instrumental in the development and modification of governing codes, standards and guidelines from ACI and ASCE. I am the member of several other technical committees in these entities, and I have chaired many technical sessions at national/international conferences. As an Associate Editor of the ASCE Journal of Bridge Engineering, I have coordinated the review of numerous journal articles. I have also continued to serve as an ASCE certified ABET civil engineering program evaluator.

Consulting Experience

It is important that engineering faculty members and administrators stay in touch with the latest developments and applications in professional practice. Performing limited consulting activity should be encouraged for all engineering faculty. Such experience may be transported to the classroom by the faculty, enhancing the student learning experience. Our faculty is fortunate in this regard, because they are allowed to perform limited consulting activities for external sources. I have been involved in several key structural design and construction projects at the state, national and international levels over the years, mainly in the building and bridge areas. I am a Texas registered professional engineer (PE).

My tenure as department chairman at UTA was filled with challenges, innovations and a variety of success stories. Overall, it was a very satisfying experience. I like the new opportunity at your institution because of the prospects of new challenges, the opportunity to be associated with San Diego State University, the level of excellence that already exists at this institution, and the chance to be in a highly respected academic environment. As a leader, I shall be able to bring the following skills: *academic administration, team building, networking, alumni relations, globalization, strategic planning, curriculum development and assessment, faculty development and mentoring, infrastructure development and maintenance, student development, fund raising, budgetary management, ABET accreditation, knowledge of state/federal rules for grants and research, fostering research and creative activities, interaction with industry and alumni, interaction with other colleges and institutions, and providing effective and efficient leadership.*

It will be fascinating to re-apply my expertise from the growth of the UTA Civil Engineering Department and the FAMU-FSU Civil Engineering Department, to repeat strategies which were successful at these two institutions, and to undertake new strategies as feasible.

I invite you to browse through my home page at: <http://www.uta.edu/ce/facultyintro.php?id=24> for more information. I shall be glad to appear for a personal interview to discuss further my qualifications and to learn more about the facilities and opportunities. I am a naturalized U.S. citizen and eligible to work legally. I shall appreciate it if my interest in this position is kept confidential for the time being, due to the obvious possible perceptions it may create at my current employing university. Thank you very much for this opportunity, and I look forward to hearing from you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Nur Yazdani".

Nur Yazdani, Ph.D., P.E.

NUR YAZDANI, PH.D. , P.E., F.ASCE, F.ACI, F.SEI

Contact Information

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RESUME

AREAS OF INTEREST

Academic Administration
Team Building, Fund Raising, Alumni Relations
Structural Engineering
Concrete/Timber Bridge Design, Evaluation and Rehabilitation
Sustainable Technologies for the Built Environment
Resilient and High Performing Infrastructure Design and Rehabilitation
Infrastructure Protection for Natural and Man-made Hazards
Concrete Properties
Nano Materials for Civil Infrastructure
Coastal Infrastructure and Building Codes
Engineering Education

EDUCATION

Ph.D., 1984 Civil Engineering – Structural Engineering
University of Maryland, College Park
Graduated with distinction (GPA 3.94/4.00)
Dissertation Title: *Risk Analysis of Extending Bridge Service Life*

M.S., 1981 Civil Engineering – Structural Engineering
University of Oklahoma, Norman
Graduated with distinction (GPA 4.00/4.00)
Thesis Title: *Elastic Stability of Beams with Lateral Tension Flange Bracing*

B.Sc., 1977 Civil Engineering
University of Engineering and Technology, Dhaka, Bangladesh
Secured First Class with Distinction, achieved 3rd place out of a graduating class of 432.

PROFESSIONAL SKILLS

- Academic administration
- ABET accreditation and assessment
- Multi-disciplinary team building and managing
- Fund raising, strategic planning and alumni relations
- Engineering Education
- Concrete/Timber Bridge Design, Evaluation and Rehabilitation
- Sustainable Technologies for the Built Environment
- Resilient and High Performing Infrastructure Design and Rehabilitation
- Infrastructure Protection for Natural and Man-made Hazards
- Concrete Properties
- Nano Materials for Civil Infrastructure
- Coastal Infrastructure and Building Codes
- Computer skills in spreadsheet, word processing, presentations, finite element and structural analysis/design software such as ANSYS, ABAQUS, SAP, RISA and STAAD

PROFESSIONAL ENGINEERING REGISTRATION

Registered Professional Engineer in the State of Texas, P.E. License No. 100539.

EMPLOYMENT RECORD

- June – present *Professor (tenured)*
2012 *Department of Civil Engineering*
 University of Texas at Arlington, Arlington, Texas
Teach undergraduate and graduate courses in the area of Structural Engineering. Develop multi-disciplinary research proposals and research networking. Form multi-disciplinary research teams. Advising and directing graduate students.
- 2005 – May *Chairman and Professor (tenured)*
2012 *Department of Civil Engineering*
 University of Texas at Arlington, Arlington, Texas
Overall administration of the department, including long range and short-term planning, budgetary issues, personnel management, course scheduling, industrial cooperation, and liaison with the college and the university.

Employment Record (cont.)

- 1995 – 2005 ***Professor and Graduate Coordinator (tenured)***
Director, Infrastructure Research Laboratory
Department of Civil & Environmental Engineering
Florida A&M University - Florida State University College of Engineering,
Tallahassee, Florida
Taught undergraduate and graduate courses in the area of Structural Engineering and Mechanics. Wrote research proposals that were funded. Formed multi-disciplinary research teams under the Infrastructure Research Laboratory activities. Developed curriculum in structural engineering. Spearheaded the department fund raising activities. Advised and directed graduate students.
- 1989 – 1995 ***Associate Professor (tenured)***
Associate Chairman
Director, Infrastructure Research Laboratory
Department of Civil Engineering
Florida A&M University - Florida State University College of Engineering,
Tallahassee, Florida
Taught undergraduate and graduate courses in the area of Structural Engineering and Mechanics. Served as the Associate Chairman for the department. Wrote research proposals that were funded. Formed multi-disciplinary research teams under the Infrastructure Research Laboratory activities. Advised and directed graduate students.
- 1984 – 1989 ***Assistant Professor (tenure track)***
Department of Civil Engineering
Florida A&M University - Florida State University College of Engineering,
Tallahassee, Florida
Taught undergraduate and graduate courses in the area of Structural Engineering and Mechanics. Served as the Associate Chairman for the department. Wrote research proposals that were funded. Formed multi-disciplinary research teams under the Infrastructure Research Laboratory activities. Advised and directed graduate students.
- 1984 ***Structural Engineer***
Physical Plant
University of Maryland, College Park
Designed and oversaw the construction of several facilities at the University of Maryland campus.

Employment Record (cont.)

- 1981 – 1984 *Research Assistant*
Department of Civil Engineering
University of Maryland, College Park
Worked on several research projects in the area of highway bridge safety and service life prediction. Co-wrote several research proposals to the Maryland Highway Department. Taught courses on structural analysis and strength of materials.
- 1979 – 1981 *Graduate Assistant*
Department of Civil Engineering
University of Oklahoma, Norman
Worked on several research projects in the area of building flexural design and effects of lateral buckling. Co-wrote several research proposals to the Maryland Highway Department. Taught courses on concrete design and strength of materials.
- 1977 - 1979 *Lecturer*
Department of Civil Engineering
University of Engineering and Technology, Dhaka, Bangladesh
Taught various courses in structural engineering. Performed laboratory testing of common building materials in Bangladesh.
- 1976 – 1979 *Structural Engineer*
Engineer's Syndicate
Dhaka, Bangladesh.

ADMINISTRATIVE EXPERIENCE

- 2005 – 2012 *Chairman, Department of Civil Engineering,*
University of Texas at Arlington
Overall administration of the department, including long range and short-term planning, budgetary issues, personnel management, course scheduling, industrial cooperation, and liaison with the college and the university.
- 2006 – present *Director, Disaster Mitigation and Management Center*
University of Texas at Arlington
Duties include research, education, outreach and clearinghouse efforts on multi-disciplinary disaster issues, and establishing networking with the private and the public sectors.

Administrative Experience (cont.)

- 2001 – 2005 ***Chairman, Fund Raising Committee, Civil & Environmental Engineering Department, FAMU-FSU College of Engineering***
Duties included establishing department needs for external funds, developing suitable proposals, establishing contact with industrial entities, and expand fund raising efforts.
- 2004 - 2005 ***Chairman, Professional Development Committee, Civil & Environmental Engineering Department, FAMU-FSU College of Engineering***
Duties included 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 and distribution policy to faculty.
- 1998 – 2005 ***Chairman, Graduate Committee, Civil & Environmental Engineering Department, FAMU-FSU College of Engineering***
Duties included curriculum development and implementation, course development, overseeing graduate admissions, Ph.D. program implementation and expansion, and coordination with College and University administrations.
- 1984 – 2005 ***Coordinator, Structures Area, Civil & Environmental Engineering Department, FAMU-FSU College of Engineering***
Duties included curriculum development, course development, laboratory development, research coordination and faculty recruitment.
- 1991 – 2005 ***Director, Infrastructure Research Laboratory, Civil & Environmental Engineering Department, FAMU-FSU College of Engineering***
Duties included 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.
- 2004 – 2005 ***Director, Center for Infrastructure Hazards (CIH): Preparedness, Mitigation, Response and Recovery, Civil & Environmental Engineering Department, FAMU-FSU College of Engineering***
Duties included procurement of external grants for infrastructure hazards related activities, promotion of hazards based education, training and research, establishing multi-disciplinary teams, and networking with federal, state, local and private sectors.

Administrative Experience (cont.)

1989 – 1997

Associate Chairman, Civil & Environmental Engineering Department, FAMU-FSU College of Engineering

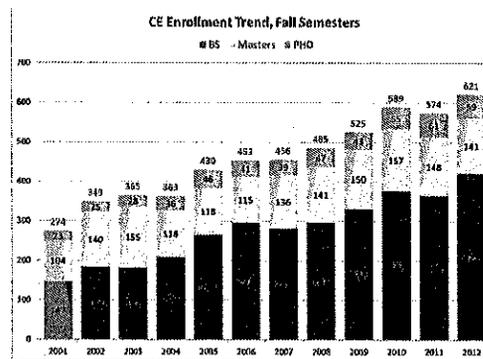
Duties included course scheduling, hiring of adjunct faculty, space management, ABET preparation, budgetary activities and extensively acting as Chairman.

ADMINISTRATIVE ACHIEVEMENTS AT UT ARLINGTON

Dr. Yazdani's tenure as Chairman of the Civil Engineering (CE) Department at UT Arlington commenced in 2005, and ended in 2012. During the seven years of this highly successful tenure, the CE Department experienced unprecedented successes in various areas, such as student enrollments, quality of graduates, initiation and expansion of CE programs of study, sponsored research activity, faculty hiring, space acquisition, among others. UT Arlington has embarked on a quest for a Tier 1 university status in the Dallas-Ft. Worth (DFW) metropolitan area. The university has made significant strides in this regard, and the CE Department, under the leadership of Dr. Yazdani, made remarkable contributions to the Tier 1 aspirations of the university.

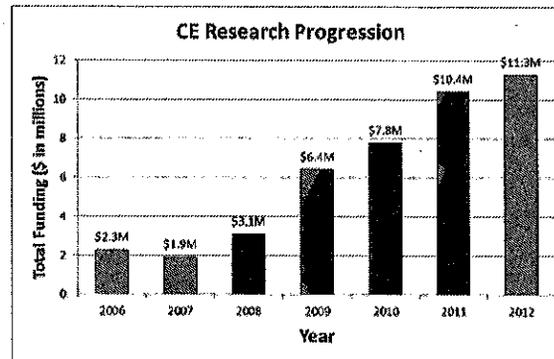
Dr. Yazdani's achievements as the Chairman of the CE Department are listed in the following:

- Significant increase in both undergraduate and graduate student enrollments (200% since 2005), as seen below.



Administrative Achievements at UT Arlington (cont.)

- Significant increase in sponsored research activity (500% since 2005), as seen below.



- Successful ABET accreditation visit in Fall 2006 and Fall 2012 with six year accreditation extensions.
- Successful CE graduate program review in 2008.
- Establishment of a new Construction Engineering & Management graduate program (M.E., M.S. and Ph.D. degrees) in 2006, and also an undergraduate concentration focus in the same area. The highly successful program has the support of many CE industrial entities from the DFW area and has attracted a lot of quality graduate students.
- Establishment of the Center for Underground Infrastructure Research and Education (CUIRE) in the CE Department. The multi-disciplinary center is one of only a few of its type in the whole country dealing with the construction and design of underground pipes.
- Establishment of the Civil Engineering Laboratory Building. This state of the art 25,000 sq. ft. facility, opened in 2008, houses a structural laboratory with strong floor and high bays, an experimental facility for testing underground pipes for CUIRE, a pavement laboratory, a geo-environmental laboratory and a geo-mechanics laboratory.
- Establishment of exciting, critical and in-demand multi-disciplinary research facilities: Center for Disaster Mitigation, Accelerated Pavement Testing Facility, Center for Sustainable Resource Management.
- Implementation of a Department Strategic Plan and an equitable Faculty Workload Model.
- Initiation of a pavement/materials area.
- Adoption of fast track BS-ME and BS-MS programs.
- Initiation of a BS-PhD fast track program.

Administrative Achievements at UT Arlington (cont.)

- Planning and fund raising for a Center for Structural Engineering Research. The University of Texas System allocated \$25 million for this facility, envisioned as the largest such testing facility in the country.
- Successful fund raising activities reaching out to alumni, industry and the public sectors.
- Establishment of two endowed professorships: the Leo Huang Endowed Professorship and the Syed Qasim Endowed Professorship.
- Expansion of the Civil Engineering Advisory Committee with additional members and expanded activities in strategic planning, fund raising, Tier 1 pursuit and student quality.
- Initiation of a CE Hall of Fame where CE alumni with significant achievements are inducted each year. A CE annual Alumni night event was adopted in 2008.
- Successful implementation of state budget cuts during the last two years with minimum effect on the department operations.
- Planning, land acquisition and ground breaking for a unique Accelerated Pavement Testing (APT) facility.
- Expansion of the scholarships in the CE Department (29 total at present); the largest in the College of Engineering.

HONORS AND AWARDS

- Fellow, ASCE Structural Engineering Institute (SEI), 2013 – present.
- Research Excellence Award, University of Texas at Arlington, 2007, 2008.
- Davis Productivity Award, State of Florida, 2005.
- Fellow, ASCE, 1998 – present.
- Fellow, 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 News Herald on Dr. Yazdani's research work involving in-home hurricane sheltering.
- Invited Professional Team Member, Florida Commission on Hurricane Loss Projection Methodology, 2004 – 2006.
- Associate Editor, ASCE Journal of Bridge Engineering, 2004 – present.
- ASCE Certified ABET Civil Engineering Program Evaluator, 2003 – present.
- University 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.
- 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.

RESEARCH EXPERIENCE

Dr. Yazdani has attracted significant externally funded research during his faculty tenure. Many of the research grants came from federal and national sources. The total funding level is more than \$13.5 million overall including Centers and Partnerships.

Current Sponsored Research

1. *IREs: UT Arlington – Spain Collaborative Research on Hazard Mitigation of Civil Infrastructure*, \$250,000, National Science Foundation (NSF), 2014-2017, N. Yazdani: PI, L. Thompson (Prairie View A&M University), Co-PI. **Funding source: Federal.**
2. *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**
3. *Strength of Horizontal Shear Reinforcement with Limited Development*, \$413,142, Texas Department of Transportation, 2011-2014, S. Chao: PI, N. Yazdani: Co-PI. **Funding Source: Federal/State**
4. *Evaluating the Performance of Fiber Reinforced Polymer (FRP) Strengthening of Concrete Bridges*, \$300,000, Texas Department of Transportation (TxDOT), 2012-2015, N. Yazdani: PI. **Funding source: Federal/State**
5. *Hazards SEES Type 2: Improved Preparation and Response through Personalization (IPreP) of Integrated Information for Individual and Community Decision-Making*, \$2,980,000, National Science Foundation (NSF), 2014-2017, J. Brotzge (OU): PI, N. Yazdani, K. Baker, M. Yuan, D. LaDue (U. of OK.): Co-PIs, J. Losego (U. of NC): Co-PI, Ramirez-Marquez, J. (Stevens In. of Tech.), K. Simmons (Austin College), B. Donner (IN. U. of Penn.): Co-PI. **Funding source: Federal.**

Pending Proposals

1. *Quantitative Linkage of Nano and Macro Level Properties in Nano Tube Enhanced Cement Mortar*, \$550,000, National Science Foundation (NSF), 2014-2017, N. Yazdani (PI), S. Iqbal (EE), Co-PI. **Funding source: Federal.**
2. *UT Arlington Research Experience for Undergraduates in Engineering (REU) Site on Sustainable Infrastructure*, \$360,000, National Science Foundation (NSF), 2014-2017, N. Yazdani: PI, M. Sattler: Co-PI, W. Lee (EE), V. Chen (IE), B. Boardman (IE): Senior Personnel. **Funding source: Federal.**
3. *CNIC: U.S. - Bangladesh Planning Visit and Initial Data Collection: Fragility Analysis of Garment Manufacturing Buildings in Bangladesh under Seismic and Fire Hazards*, \$75,000, National Science Foundation (NSF), 2014-2015, N. Yazdani (PI). **Funding source: Federal.**

Completed Sponsored Research

1. *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
2. *Strength Evaluation of Concrete Utility Poles*, \$18,000, Superior Poles, N. Yazdani: PI, G. Ramirez: Co-PI. **Funding Source: Private**
3. *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
4. *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**
5. *Florida Bridge Safety under Extreme Flood Effects*, \$86,000, University Consortium for Inter-modal Transportation Safety and Security (UCITSS), FHWA, 2005 – 2007, N. Yazdani: PI, W. Huang: (Co-PI). **Funding source: Federal**
6. *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**
7. *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**
8. *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
9. *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**
10. *Accelerated Curing of Silica Fume Concrete*, \$120,000, Federal Highway Administration/Florida Department of Transportation, 2002-2005, N. Yazdani: PI.
Funding source: Federal/State
11. *Wind Provision Evaluation from the 2004 Florida Building Code for Hurricane Vulnerability Mitigation*, \$45,000, NOAA, N. Yazdani: PI. **Funding source: Federal.**
12. *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**
13. *Florida House Learning Center Hurricane Mitigation Project*, \$52,000, Sarasota County, Florida, 2003-2004, N. Yazdani: PI. **Funding source: Local**
14. *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**

Completed Sponsored Research (cont.)

15. *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**
16. *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
17. *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
18. *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**
19. *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**
20. *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**
21. *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
22. *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**
23. *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**
24. *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**
25. *Post-Storm Foundation Reconstruction Model for Coastal Structures*, \$60,000, Florida Department of Environmental Protection, 1997-99, N. Yazdani: PI.
Funding source: State
26. *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
27. *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**
28. *Epoxy Jointing of Precast Concrete Segments*, \$50,000, Florida Department of Transportation/Federal Highway Administration, 1995-97, N. Yazdani: PI.
Funding source: Federal/State

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29. *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**
30. *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**
31. *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**
32. *Preservative Effect on Stress Laminated Southern Pine Bridge Decks*, \$225,000, U.S. Department of Agriculture, 1992-96, N. Yazdani: PI. **Funding source: Federal**
33. *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**
34. *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**
35. *Multi-Agency Integrated Code for Florida Coastal Construction*, \$90,000, Coastal Zone Management, 1990-93, N. Yazdani: PI. **Funding source: Federal**
36. *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**
37. *Effect of Wind on Coastal Construction in Florida*, \$35,000, Florida Department of Natural Resources, 1989-90, N. Yazdani: PI. **Funding source: State**
38. *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**

PUBLICATIONS**Refereed Articles (85 total)**

Note: * = Student author supervised by Dr. Yazdani

1. Manzur*, T., Yazdani, N. and Emon, M.A.B., *Effect of Carbon Nanotube Size on Compressive Strengths of Nanotube Reinforced Cementitious Composites*, accepted for publication in the *Journal of Materials*, Hindawi Publications (in press).
2. Goucher*, E. and Yazdani, N., *Durability Evaluation of FRP Strengthened Lightweight Concrete*, submitted for publication in the **ASCE Journal of Composites in Construction**, May 2014 (under review).
3. Mohanamurthy*, M., Yazdani, N. and Patel, S., *Evaluation of Flexural Strength and failure Modes in FRP Strengthened Concrete Bridge Girders*, submitted for publication in the **ASCE Journal of Composites in Construction**, January 2014 (under review).
4. Beneberu*, E., Goode, J. and Yazdani, N., *Computational Fluid Dynamics Application for Design of Highway Sign Support Structures*, accepted for publication in the **International Journal of Civil and Structural Engineering** (in press).

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5. Yazdani, N. and Garcia*, G., *Effect of FRP Wrapping on Concrete Chloride Penetration and Concrete Cover*, accepted for publication in the **Journal of the Transportation Research Record (TRR)** (in press).
6. Hasan*, M. I. and Yazdani, N., *Ground Penetrating Radar Utilization in Exploring Inadequate Concrete Covers in a New Bridge Deck*, **Elsevier Case Studies in Construction Materials Journal**, S2214-5095(14)00009-6, DOI: <http://dx.doi.org/doi:10.1016/j.cscm.2014.04.003>, Reference: CSCM 8.
7. Yazdani, N. and Mohanam*, V., *Carbon Nano-Tube and Nano-Fiber in Cement Mortar: Effect of Dosage Rate and Water-Cement Ratio*, **International Journal of Material Science**, Vol. 4 Issue 2, June 2014, DOI: 10.14355/ijmsci.2014.0402.01, June 2014.
8. Ojha*, J. and Yazdani, N., *Effect of FRP Wrap on Water Permeability in Concrete Bridge Girders*, **Journal of Reinforced Plastics and Composites**, Vol. 32, No. 10, October 2013.
9. Manzur, T.* and Yazdani, N., *Importance of Flow Values in Qualitative Evaluation of Carbon Nanotube Reinforced Cementitious Matrix*, **Malayasian Journal of Civil Engineering**, Vol. 25, No. 1, pp. 72-81, 2013.
10. Mohanamurthy*, M. and Yazdani, N., *Fiber Reinforced Polymer (FRP) Strengthening for Concrete Bridges – Comparison of Codal Provisions*, Proceedings of the **2013 PCI Conference**, Grapevine, TX, September 2013.
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12. Singh*, B., Yazdani, N. and Ramirez, G., *Effect of Time Dependent Concrete Modulus of Elasticity on Prestress Losses in Bridge Girders*, **International Journal of Concrete Structures and Materials**, Vol. 7, Issue 3, pp. 183-191, September 2013.
13. Nizamud-Doulah, S. K., Kabir, A. and Yazdani, N., *Finite Element Parametric Study of Reinforced Concrete Skew Slabs*, **International Journal of Structural Engineering**, Vol. 4, No. 4, pp. 333-345, September 2013.
14. Ahmed, T., Kabir, A. and Yazdani, N., *A Simplified Flexural Design Procedure for Skewed Bridge Slabs*, **ASCE Journal of Bridge Engineering**, Vol. 25, No. 7, pp. 345-364, September 2012.
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17. Yazdani, N., Manzur*, T. and Reynolds*, D., *Enhancement of STEM Teaching with Hazard Mitigation Research: UT Arlington RET Program*, submitted to the **ASEE Advances in Engineering Education Journal**, August 2013 (under review).
18. Yazdani, N., Hossain S., Hossain, J. and Shumac, W., *Geo-Hazard and Concrete Deterioration Assessment of Plantation East Culverts*, **ASCE Journal of Performance of Constructed Facilities**, Vol. 27, No. 4, pp. 468-476, July-August 2013.

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20. Tawfiq, K., Robinson*, B. and Yazdani, N., *Use of Steel Fiber Reinforced Concrete in Anchorage Zone of Post Tensioned Concrete Girders*, **ACI Special Publication (SP) – Durability Enhancements in Concrete with Fiber Reinforcement**, vol. 276, pp. 6.1-6.18, March 2011.
21. Manzur*, T. and Yazdani, N., *Strength Enhancement of Cement Mortar with Carbon Nanotubes: Early Results and Potential*, **Transportation Research Records – TRB Journal**, No. 2142, pp. 102-108, April 2010.
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24. Kiamanesh, R., Abolmaali, A. and Yazdani, N., *Pressure Test Techniques on Hurricane Resistant Precast Panels*, submitted to the **Precast/Prestressed Concrete Institute (PCI) Journal**, October 2012 (under review).
25. Yazdani, N., Dowgul*, R. and Manzur*, T., *Deficiency Analysis of Coastal Buildings Towards Storm Damage Reduction*, **ASCE Journal of Performance of Constructed Facilities**, Vol. 24, No. 2, pp. 128-137, March-April 2010.
26. Islam*, A. K. M. and Yazdani, N., *Hurricane Damage Assessment for Residential Coastal Structures*, **International Journal of Ecology and Development**, Vol. 11, No. F08, Fall 2008.
27. Yazdani, N., Green, P. and Haroon*, S., *Wind Missile Impact Capacity of Essential Facilities*, **Journal of Emergency Management**, Vol. 5, No. 2, pp. 27-40, March/April 2007.
28. Yazdani, N., Filsaime*, M. and Islam*, S., *Accelerated Curing of Silica Fume Concrete*, **ASCE Journal of Materials in Civil Engineering**, Vol. 20, No. 8, pp. 521-528, August 2008.
29. Yazdani, N., Filsaime*, M. and Islam*, S., *Effect of Steam Curing on Precast Prestressed Concrete Piles*, **International Journal of Concrete Structures and Materials**, Vol. 4, No. 1, pp. 9-15, June 2010.
30. Yazdani, N., Green, P., and Haroon*, S., *Large Wind Missile Impact Performance of Residential and Commercial Facilities*, **ASCE Journal of Practice Periodical for Structural Design and Construction**, Vol. 11, No. 4, pp. 206-217, November 2006.
31. Islam*, A. K. M. and Yazdani, N., *Performance of AASHTO Girder Bridges under Blast Loading*, **Engineering Structures**, Vol. 30, Issue 7, pp. 1922-1937, July 2008.
32. Haroon*, S., Yazdani, N. and Dandino, N., *Hurricane Mitigation of the Florida House Learning Center*, **ASCE Journal of Performance of Constructed Facilities**, Vol. 20, No. 2, pp. 185-191, May 2006.

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36. Yazdani, N., McKinnie*, B. and Haroon*, S., *Aggregate Based Modulus of Elasticity for Florida Concrete*, **Journal of Transportation Research Record (TRR)**, No. 1914, pp. 15-23, 2005.
37. Yazdani, N., Townsend*, T. and Kilcollins, D., *Construction Aspects of In-Home Hurricane Wind Shelter Rooms*, **International Journal of Coastal Research (JCR)**, Vol. 22, No. 4, pp. 862-871, July-August 2006.
38. Yazdani, N., Townsend*, T. and Kilcollins, D., *Hurricane Wind Shelter Retrofit Room Standards for Existing Homes*, **ASCE Journal of Practice Periodical for Structural Design and Construction**, Vol. 10, No. 4, pp. 246-252, November 2005.
39. Haroon*, S., Yazdani, N. and Tawfiq, K., *Feasibility of Steel Fiber Concrete in End Zones of Post-Tensioned Bridge Girders: Results of Special Anchorage Device Acceptance Test*, **Transportation Research Record (TRR) Journal**, No. 1892, pp. 117 – 125, August 2004.
40. Green*, T., Yazdani, N., Spainhour, L., and Cai, C.S., *Contribution of Intermediate Diaphragms in Enhancing Precast Bridge Girder Performance*, **ASCE Journal of Performance of Constructed Facilities**, Vol. 18, No. 3, pp. 142-146, August 2004.
41. Johnson*, E., Yazdani, N. and Duwadi, S., *Creep Effect in Structural Composite Lumber for Bridge Applications*, **ASCE Journal of Bridge Engineering**, Vol. 9, Issue 1, pp. 87 – 94, January/February 2004.
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43. Yazdani, N., Johnson*, E. and Duwadi, S., *Creep Effect on Structural Composite Lumber (SCL) in Bridge Applications*, **Proceedings of the 2003 ASCE Structures Congress**, Seattle, WA, May, 2003.
44. Yazdani, N. and Issa, M., *Reduction of Joint Seepage in Precast Bridge Segments*, **Precast/Prestressed Concrete Institute (PCI) Journal**, Vol. 48, No. 1, pp. 82-91, January – February 2003.
45. Wootton, I., Spainhour, L. and Yazdani, N., *Corrosion of Steel Reinforcement in Carbon Fiber-Reinforced Polymer Wrapped Concrete Cylinders*, **ASCE Journal of Composites in Construction**, Vol. 7, No. 4, pp. 339 – 347, November 2003.
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52. Kainz, J., Yazdani, N., Kadnar*, J., and Ritter, M., *Preservative Effect on Stress-Laminated Southern Pine Bridge Decks*, **ASCE Journal of Bridge Engineering**, Vol. 6, No. 2, pp. 144-153, March/April 2001.
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54. Yazdani, N., Woodruff, P. and Gates*, E., *Storm Damaged Florida Coastal Foundations: Repair or Rebuild?*, **ASCE Journal of Performance of Constructed Facilities**, Vol. 15, No. 1, pp. 2-10, February 2001.
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56. Yazdani, N., Bergin, M. and Mujtaba, G., *Effect of Pumping on the Properties of Concrete*, **ASCE Journal of Materials in Civil Engineering**, Vol. 12, No. 3, pp. 212-219, August 2000.
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85. Choudhury, J.R. and Yazdani, N., *Development of Tornado Shelters in Coastal Bangladesh*, **Journal of the Institute of Engineers**, Dhaka, Bangladesh, May 1977.

Books

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.

Conference and Seminar Presentations (Mostly Refereed, 86 total)

1. 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.
2. Yazdani, N. and Singh, B.*, *Effect of Time Dependent Concrete Modulus of Elasticity on Prestress Losses in Bridge Girders*, to be presented at the **4th International Structural Specialty Conference**, Nova Scotia, Canada, May 2014.
3. Yazdani, N. and Mohanam, V.*, *Carbon Nano-tube and Nano-fiber Enhancement of Cement Mortar*, to be presented at the **22nd Annual International Conference on Composites or Nano Engineering**, Malta, July 2014.
4. 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.
5. 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.

Conference and Seminar Presentations (cont.)

6. 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.
7. 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.
8. Mohanamurthy, M. and Yazdani, N., *Fiber Reinforced Polymer (FRP) Strengthening for Concrete Bridges – Comparison of Codal Provisions*, **2013 PCI Conference**, Grapevine, TX, September 2013.
9. 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.
10. 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.
11. 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.
12. 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.
13. Ojha, J. and Yazdani, N., *Water Permeability in Fiber Reinforced Plastic (FRP) Wrapped Concrete*, presented at the **6th Civil Engineering Conference in the Asia Region (CECAR6)**, Jakarta, Indonesia, August 2013.
14. Manzur, T. and Yazdani, N., *Importance of Flow Values in Quality Evaluation of Surface Treated Multiwalled Carbon Nanotubes Reinforced Cementitious Mix*, **NiCom3: the 3rd International Conference on Nanotechnology in Construction**, Crete, Greece, May 2012.
15. Yazdani, N. and Gomes D. Oliviera, *Concrete Bridges – Sustainability Issues*, presented at the **International Congress on Durability of Concrete**, Trondheim, Norway, June 2012.
16. Gomes D. Oliveira and Yazdani, N., *Climate Based Application of FRP for Concrete Durability*, **6th Middle Eastern Symposium on Structural Composites for Infrastructure Applications**, Luxor, Egypt, December 2011.
17. Manzur, T. and Yazdani, N., *Issues Related to Nano Modified Cement Composites with Carbon Nanotube Addition*, **9th Symposium on High Performance Concrete**, **Christchurch, New Zealand**, July 2011.
18. 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**, July 24-30, 2011, Shanghai, China.
19. 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**, July 24-30, 2011, Shanghai, China.

Conference and Seminar Presentations (cont.)

20. Yazdani, N., *Sustainability of Concrete Bridges*, **International Concrete Sustainability Conference**, Dubai, U.A.E., December 2010.
21. Yazdani, N., Filsaime, M. and Manzur, T., *Accelerated Curing of Concrete Bridge Piles with Silica Fume*, **ACI Fall Convention**, Pittsburgh, PA, October 2010.
22. 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.
23. Yazdani, N., Weatherton, Y., Daza, S. and Reynolds, D., *UT Arlington RET Site on Hazard Mitigation*, **NSF Education Conference**, Arlington, VA, February 2010.
24. Yazdani, N. and Manzur, T., *Effect of Carbon Nanotubes on the Properties of Cement Mortar*, presented at **NiCom3: the 3rd International Conference on Nanotechnology in Construction**, Prague, Czech Republic, May 2009.
25. Yazdani, N., Weatherton, Y., Daza, S. and Reynolds, D., *UT Arlington RET Site on Hazard Mitigation*, **NSF Education Conference**, Arlington, VA, February 2009.
26. Yazdani, N. and Enam, B., *Concrete Bridge Design for Extreme Flood Effect*, **American Concrete Institute (ACI) Fall 2008 Convention**, St. Louis, MO, November 2008.
27. 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.
28. Islam A. K. M. and Yazdani, N., *Impact of Blast load on AASHTO Girder Bridges*, **1st American Academy of Mechanics Conference**, New Orleans, LA, June 2008.
29. 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.
30. 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.
31. Islam, A. and Yazdani, N., *Blast Capacity and Protection of AASHTO Girder Bridges*, **4th Forensic Congress**, Cleveland, OH, October 2006.
32. 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.
33. Islam, A. and Yazdani, N., *Effect of Blast Loading on AASHTO Type Highway Bridges*, **ASCE 2006 Structures Congress**, St. Louis, MO, May 2006.
34. 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.
35. 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.

Conference and Seminar Presentations (cont.)

36. 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.
37. Yazdani, N., McKinnie, B. and Haroon, S., *Time Dependent Compressive Strength Variation in Florida Concrete*, **Annual Transportation Research Board (TRB) Meeting**, January 2005.
38. Yazdani, N., McKinnie, B. and Haroon, S., *Modulus of Elasticity Models for FDOT Concrete*, **Transportation Research Board (TRB) Meeting**, January 2005.
39. Tawfiq, K. Abichou, T. and Yazdani, N., *Evaluation of Construction Vibrations on Green Concrete*, **2nd International Conference on Protection of Structures Against Hazards**, Singapore, December 2004.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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.

Conference and Seminar Presentations (cont.)

50. Yazdani, N. and Islam, A. K. M., *Post Storm Reconstruction Model for Coastal Habitable Structures*, **International Conference on Coastal Engineering Development**, Singapore, December 2001.
51. 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.
52. 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**, St. Petersburg Beach, FL, September 2001.
53. 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.
54. 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.
55. Ach, J. and Yazdani, N., *Torsional Behavior of Thin Spandrel Beams*, **2000 Precast/Prestressed Concrete Institute (PCI) Annual Convention**, Orlando, FL, September 2000.
56. 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.
57. Yazdani, N., Woodruff, P. and Gates, E., *Post-Storm Foundation Reconstruction Model for Florida Coastal Structures*, **27th International Conference on Coastal Engineering (ICCE 2000)**, Melbourne, Australia, July 2000.
58. Yazdani, N., Wekezer, J., Wilson, C. and Wuttrich, R., *Investigation of Bridge Fenders for Ship Impact*, **ASCE Structures Congress**, Philadelphia, Pennsylvania, May 2000.
59. 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.
60. Wuttrich, R., Wekezer, J., Yazdani, N. and Toth, J. *LS-DYNA Analysis and Retrofit of Bridge Fender Systems*, **TRANSPO 2000 Conference Proceedings**, Orlando, Florida, April 2000.
61. 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.
62. 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.
63. 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.

Conference and Seminar Presentations (cont.)

64. Yazdani, N., Bergin, M. and Mujtaba, G., *Effect of Pumping on Properties of Bridge Concrete*, **1999 ACI Fall Convention**, Baltimore, Maryland, November 1999.
65. 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.
66. 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.
67. 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.
68. Yazdani, N., and Barkley, D., *Structural Investigation of Environmental Engineered Concrete Sanitary Structures*, **1998 Structural Engineering World Congress**, San Francisco, California, July 1998.
69. Yazdani, N. and Barkley, D., *Design of Environmentally Engineered Sanitary Structures*, **Annual Spring ACI Convention**, Seattle, Washington, April 1997.
70. 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.
71. Yazdani, N. and Kadnar, J. *Monitoring of Three Stress-Laminated Southern Pine Bridges in Leon County*, **ASCE Structures Congress**, Chicago, Illinois, April 1996.
72. 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.
73. Yazdani, N. and Registe, J., *Bond and Development Length in Prestressed Concrete Piles*, **American Concrete Institute (ACI) Fall Convention**, Montreal, Canada, November 1995.
74. Yazdani, N., Nnaji, S. and Rambo-Rodenberry, M., *Impact of Beach Scour on Coastal Construction*, **ASCE Florida Section Annual Meeting**, Jacksonville, Florida, September 1995.
75. 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.
76. Yazdani, N., El-Shahawy, O. and Issa, M., *Thermal Gradient in Precast Bridge Girders*, **ASCE Structures Congress**, Boston, Massachusetts, March 1995.
77. Yazdani, N. and Messidor, E., *Behavior of Concrete Bridge Pier Caps*, **American Concrete Institute (ACI) 1994 Fall Convention**, Tarpon Springs, Florida, October 1994.
78. Yazdani, N., *Design and Construction of Stress-Laminated Bridges in Leon County*, **ASCE Florida Section Annual Meeting**, Ft. Lauderdale, Florida, September 1994.
79. Yazdani, N. and Ycaza, I., *Multi-Agency Integrated Code for Coastal Construction*, **International Coastal Symposium**, Hornefjordur, Iceland, June 1994

Conference and Seminar Presentations (cont.)

80. Yazdani, N. and Ycaza, I., *Multi-Agency Integrated Code for Florida Coastal Construction*, **ASCE Florida Section Annual Meeting**, Greenleaf, Florida, September 1993.
81. Kadnar, J. and Yazdani, N., *Wind Design Considerations For Coastal Construction in Florida*, **Coastal Zone-91 International Conference**, Long Beach, California, June 1991.
82. Yazdani, N., *Prestressing Existing Steel Bridges for Strength and Safety*, joint **ASCE Florida/South Florida Sections Annual Meeting**, Clearwater, Florida, September 1988.
83. Yazdani, N. and Albrecht, P., *Probabilistic Fracture Mechanics Approach of Risk Assessment For Highway Bridges*, **6th South Eastern Conference on Theoretical and Applied Mechanics**, Biloxi, Mississippi, April 1988.
84. Yazdani, N. and Albrecht, P., *Risk Analysis of Fatigue Failure of Three Highway Bridges*, **ASCE Structures Congress**, Chicago, Illinois, September 1985.
85. Yazdani, N., *Fatigue Crack Growth of Structural Steels in Various Environments*, **ASCE Florida Section Annual Meeting**, Cocoa Beach, Florida, October 1985.
86. 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.

TEACHING EXPERIENCE

COURSES TAUGHT

Course	Number of Times Taught	Average Enrollment	Average Student Evaluation ¹
Strength of Materials (UG)*	5	35	VG
Concrete Design (UG)*	27	45	E
Steel Design (UG)*	10	43	VG
Advanced Concrete Design (UG, G)*	13	15	E
Bridge Design (G)*	4	10	E
Prestressed Concrete (UG, G)*	9	20	E
Bridge Engineering (UG, G)*	2	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

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

*: Signifies new course developed by Dr. Yazdani

UG: Undergraduate level.

G: Graduate level.

GRADUATE STUDENT SUPERVISION**Chairman of Ph.D. Dissertation Committees**

1. Jyoti Ojha, Topic TBD, expected 2015.
2. Eyosias Beneberu, *Effect of Fire and High Temperature on FRP Strengthening of Concrete Bridges*, expected 2015.
3. Md. Istiaque Hassan, *Application of GPR in Determination of Rebar Diameter in Concrete Structures*, expected Fall 2014.
4. Tanvir Manzur, *Evaluation of Carbon Nano-Tube Application in Structural Concrete*, summer 2011 (currently an Assistant Professor, University of Engr. and Technology, Dhaka, Bangladesh).
5. Brenda Robinson, *Evaluation of Post-Tensioned Segmental Anchorage Zones with Fiber Reinforced Concrete*, December 2007 (currently CEO of Brenda Robinson Corporation, Jacksonville, FL).
6. M. Badre Enam, *Fatigue Evaluation of Structural Composite Lumber T-Beam Bridge Girders*, December 2007 (currently a structural engineer at Arcadis G&M, Inc., Baton Rouge, LA).
7. Ronald Dowgul, *Deficiency Analysis of Coastal Buildings for Storm Damage Reduction*, December 2005 (currently a private consultant on hurricane structural mitigation, Pensacola, FL).
8. A. K. M. Anwarul Islam, *Performance Evaluation of AASHTO Type Bridges for Blast Loading*, May 2005 (currently an Associate Professor of Civil Engineering at Youngstown State University, Youngstown, OH).
9. Tanya Green, *Seismic Upgrading of Unreinforced Masonry Walled Buildings Using FRP Wraps*, September 2004 (currently a Structural Analyst for NASA Marshall Space Center in Huntsville, AL).
10. Saif A. Haroon, *Application of Fiber Reinforced Concrete in the End Zones of Post-Tensioned Bridge Girders*, February, 2003 (Worked as a full-time Post-Doctoral Fellow in the Infrastructures Laboratory at FAMU-FSU for 2 years. Currently a senior associate at TMAD Taylor and Gaines, Los Angeles, CA).

Chairman of M.S. and M.E. Supervisory Committees

1. Maria Angeles De La Flor, expected Spring 2015
2. Francisco David Berrocal Ruiz, expected Spring 2015
3. Hemachand Palempati, expected Summer 2014
4. Farzia Haque, M.S., expected Summer 2014
5. Muruganandam Mohanamurthy, M.S., Fall 2013 (currently Bridge Engineer EIT at AECOM, Dallas, TX)
6. Kyle Rodemacher, M.E., expected Spring 2014
7. Joseph Lewiston, M.S., expected Fall 2014

Chairman of M.S. and M.E. Supervisory Committees (cont.)

8. Eric Goucher, M. S., Fall 2013 (currently Structural EIT at Innovative Engineering Associates (IEA, Inc.), Dallas, TX).
9. Gunther Garcia, M.S., Fall 2012 (currently Engineer I at Parsons Brinckerhoff, Dallas, TX)
10. Vinoth Mohanam, M.S., Fall 2012 (currently Structural Engineer at Lloyd Engineering, Inc., Houston, TX).
11. Jyoti Ojha, M.S., Summer 2012 (currently Civil Engineer at American Tower, Inc., Irving, TX).
12. Irfan Ahmed, M.E., April 2011 (currently Structural Engineer at DHI Services, Inc., Dallas, TX).
13. Harsha Meka, M.E., May 2010.
14. Chakravarthy Mamidipally, M.E., Fall 2010.
15. Stacy Johnson, Summer 2006 (currently at Figg Engineering Group, Tallahassee, FL).
16. Dan Scheer, April 2005 (currently at Figg Engineering Group, Tallahassee, FL).
17. Martine Fils-Aime, December 2004 (currently working for PBS&J, Inc., Tampa, FL).
18. Charles Reed, May 2004 (currently employed with PBS&J, Inc., Tampa, FL).
19. Eric Johnson, June 2003 (currently works for Figg Engineering Group, Tallahassee, FL).
20. Bryant McKinnie, November 2002 (presently employed by a company in Dothan, AL).
21. Tanya Townsend, September 2002 (currently employed by S. Florida Water Management District, West Palm Beach, FL).
22. Yingqin Jin, July 2001 (currently employed with Greiner, Inc., Dallas, TX).
23. Jennifer Ach, March 2001 (currently working with Whitehead & Associates, Jacksonville, FL).
24. Tanya Green, December 2000 (completed Ph.D. in 2004; currently works as a Structural Analyst for NASA Marshall Space Center in Huntsville, AL).
25. Claudia Wilson, February 2000 (currently a faculty member at New Mexico State University).
26. A. K. M. Anwarul Islam, January 2000 (currently a faculty member at Youngstown State University).
27. Alan Carson, October 1999 (currently employed by Parsons Group, Atlanta, GA).
28. Scott Eddy, August 1998 (managing director of S. E. Engineering & Inspection, Pensacola, FL).
29. Echo Gates, May 1998 (currently employed by the Bureau of Beaches & Coastal Systems, Florida Department of Environmental Protection, Tallahassee, FL).
30. Clayton Wolfe, November 1997 (working with E.C. Driver, Inc., Raleigh, NC).
31. George Nicolopoulos, September 1997 (went back to Greece to pursue a career there).
32. Joy Kadnar, July 1997 (currently working for the U.S. Department of Agriculture, Washington, DC).
33. Nigel Richardson, October 1996 (currently working with the Georgia Department of Transportation, Atlanta, GA).

Chairman of M.S. and M.E. Supervisory Committees (cont.)

34. Steven Long, May 1995 (currently employed by the City of Pensacola, FL).
35. Doug Barkley, September 1994 (owner/director of Barkley Engineering, Inc., Tallahassee, FL).
36. Michelle Rambo, August 1994 (currently employed as an Associate Professor, Civil/Environmental Engineering Dept., FAMU-FSU).
37. Ossama El-Shahawy, June 1992 (currently employed by T.Y. Lin, Inc., Chicago, IL).
38. Ivan Ycaza, May 1990 (went back to Panama to pursue a career there).
39. Jacque Registe, April 1988 (currently owns and directs Registe & Sliger Engineers, Inc. Tallahassee, FL).
40. Erve Mesidor, February 1988 (employed by Leon County, Tallahassee, FL).

Member of 37 Ph.D. Supervisory Committees and 55 M.S./M.E. Supervisory Committees (Non-Supervisory)

Dr. Yazdani has participated in several teaching improvement workshops, and he has been active in NSF sponsored RET and REU projects and the SUCCEED Coalition for the betterment of engineering education. He is also an ASCE certified civil engineering ABET program evaluator.

Continuing Education Courses Conducted

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

Continuing Education/Professional Development Courses Attended

1. Effective College Teaching and Cooperative Learning, Felder and Brent, Arlington, Texas, 2009.
2. Florida State University Winter Teaching Enhancement Workshop, Tallahassee, FL, December 2003.
3. EXCEED Student/Educator/Practitioner Teaching & Learning Seminar, ASCE 2003 Annual Convention, Nashville, TN, November 2003.
4. ABET Civil Engineering Evaluator Training Workshop (CE Program Evaluator Training), ASCE 2003 Annual Convention, Nashville, TN, November 2003.
5. University of Alabama Birmingham Case Studies and Ethics in Failures Workshop, Birmingham, Alabama, July 2003.

Continuing Education/Professional Development (cont.)

6. Portland Cement Association (PCA) AASHTO LRFD Bridge Design Workshop, Skokie, IL, August 1999.
7. Portland Cement Association (PCA) Concrete Professor's Workshop, Skokie, Illinois, August 1994.
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.

Teaching/Education Projects

1. **Co-PI (Yazdani)**, *Alternative Success Model for Engineering Faculty*, \$150,000, National Science Foundation SUCCEED Coalition, 1993-96, F. Najafi (Univ. of Florida), S. Middleton (Univ. of N. Carolina at Charlotte): Co-PI. **Funding source: Federal**
2. *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
1. *UT Arlington Research Experience for Undergraduates in Engineering (REU) Site on Hazard Mitigation*, \$300,000, National Science Foundation (NSF), 2010-2013, N. Yazdani: PI, Y. Weatherton: Co-PI, A. Puppala, M. Sattler, M. Wright (CSE), W. Lee (EE), S. Daza (Education): Senior Personnel.
Funding source: Federal

SERVICE EXPERIENCE

FAMU-FSU COMMITTEE MEMBERSHIPS

<u>Committee</u>	<u>Role</u>	<u>Year</u>
Departmental Graduate	Chairman	1998-2003
Departmental Curriculum	Chairman	1993-1997
Departmental Space	Chairman	1987-1993
Departmental Search	Member	1985-87, 1988, 1991
	Chairman	1996-1997
Departmental Fundraising	Chairman	2002-2004
College Graduate	Member	1998-2003
College Library	Member	1987-89
College Computer	Member	1985-87
University Senate	Member	1988-1995
University Internationalization	Member	1990
University Admissions	Member	1988-90
University Curriculum	Member	1990-92

Faculty Advisor, FAMU – FSU ASCE Student Chapter

- Founding Faculty Advisor, FAMU – FSU ASCE Student Chapter, 1986 – 1994.
- Guided the newly formed chapter with membership drives, fund raising, attending conferences, community services, etc.
- The Chapter won overall championship at the 1990 South-Eastern ASCE Student Chapter's conference held at Vanderbilt University, Nashville, TN.

PROFESSIONAL ACTIVITIES

National Associations

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, 2003 – present.

National Associations (cont.)American Society of Civil Engineers (ASCE) and Structural Engineering Institute (SEI) Services

- Fellow, American Society of Civil Engineers (ASCE) Structural Engineering Institute (SEI), 2013 – present
- Fellow, American Society of Civil Engineers (ASCE), 1998 – present.
- Member, American Society of Civil Engineers (ASCE), 1984 – 1997.
- President, ASCE-Structural Engineering Institute (SEI) Ft. Worth Chapter, 2011-present.
- Vice-President, ASCE-Structural Engineering Institute (SEI) Ft. Worth Chapter, 2010-2011.
- Chairman, ACI-SEI Committee 343 on Concrete Bridge Design, 2004-present.
- Secretary, ACI-SEI Committee 343 on Concrete Bridge Design, 2001-2003.
- Member, ACI-SEI Committee 343 on Concrete Bridge Design, 1997 – present.
- Control Member, SEI Committee on Timber Bridges.
- Member, Editorial Board, ASCE Journal of Bridge Engineering, 2003 – 2012.
- President, ASCE Tallahassee Branch, 1994-1995.
- Vice-President, ASCE Tallahassee Branch, 1993-1994.
- Secretary, ASCE Tallahassee Branch, 1992-1993.
- Reviewer, technical papers for the ASCE Journals of Structural Engineering, Bridge Engineering and Materials for Civil Engineering.

American Concrete Institute (ACI) Services

- Fellow, American Concrete Institute (ACI), 2008 – present.
- Member, American Concrete Institute (ACI), 1993 – present.
- Secretary, ACI – SEI Committee 343 on Concrete Bridge Design, 2001 – 2005.
- Chairman, ACI - SEI Committee 343 on Concrete Bridge Design, 2005 – present.
- Member, ACI-SEI Committee 343 on Concrete Bridge Design, 1997 – present.
- Member, ACI Committee 544 on Fiber Reinforced Concrete.
- 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.
- Chairman, 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.

National Associations (cont.)Precast/Prestressed Concrete Institute (PCI) Services

- Member, PCI, 1995 – present.

Reviewer of Refereed Journals

- Associate Editor, ASCE Journal of Bridge Engineering, 2003 – 2011.
- 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

Reviewer of Textbooks

Design of Concrete Structures, by A. H. Nilson, D. Darwin and C. Dolan, 13th Edition, McGraw-Hill, 2004.

Design of Prestressed Concrete, by A. H. Nilson, 3rd Edition, John Wiley & Sons, 2005.

Invited Chairman of Technical Sessions at International/National/State Conferences

- *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.

Invited Chairman of Technical Sessions (cont.)

- *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

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

Community Service

- Member, Toastmaster's Club, Tallahassee FDOT Branch, 1987-2005.
- Judge, Capital City Science Fair (for school students), 1985-2005.
- Vice-President, India Association of Tallahassee, 1986-87.
- Mentor, Tallahassee area high school students, 1990 – 2005.

CONSULTING POSITIONS

2009 - 2010	City of Benbrook, Texas
2004 – 2006	Invited Professional Team Member, Florida Commission on Hurricane Loss Projection Methodology
1992 – 2005	Vista Engineering, Inc., Tallahassee, Florida, President.
2002 – 2005	Sarasota County Emergency Management, Florida.
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, Florida, Timber bridge design and inspection.
1990 - 1992	Leon County, Florida, Timber bridge design and inspection.
1987 - 1989	Florida Department of Transportation, Bridge Design.
1985 - 1988	Kaiser Engineering, Inc., Tallahassee, Florida, Structural Design.
1982 - 1984	Greiner Engineers, Inc., Baltimore, Maryland, 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, Maryland
- Retrofitting - Anacostia River Bridge on Capital Beltway, Washington, D.C.
- Rehabilitation - several steel bridge exit/entrance ramps on I10 near Pensacola, Florida
- Parking garage, Mobile, Alabama
- Office building, Piedmont Ave. near Thomasville Road, Tallahassee, Florida
- Three timber bridges (two-Capitol Road, one-Wadesboro Road), Leon County, Florida
- Ward Creek Bridge (200 ft. long timber), Jefferson County, Florida
- 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.
- Hurricane mitigation of Florida House Learning Center, Sarasota.
- Consultant for Leon County Parking Garage rehabilitation
- Jamarat Bridge Replacement project, Mekkah, Kingdom of Saudi Arabia
- Box culverts, City of Benbrook, TX

REFERENCES

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Dr. Andrzej Nowak, Professor and Chairman, Elton & Louis G. Huff Eminent Scholar Chair,
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AL, U.S.A.
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Mr. James P. Wacker, Chair of the ASCE-SEI Bridge TAC Committee, Research Engineer,
Engineering Properties of Wood, Wood Based Materials, and Structures, USDA Forest Service,
Forest Products Laboratory, One Gifford Pinchot Drive, Madison, WI 53726.
Phone: 608- 231-9224; E-mail: jwacker@fs.fed.us.

Vision Statement
Nur Yazdani, Ph.D., P.E.

I am submitting this Vision Statement as a part of my application package for the Associate Dean of Engineering position at San Diego State University. From my review of the web sites, discussion with personnel and personal knowledge, I am impressed by the overall academic and administrative excellence at the department, college and university levels at the university. The performance of the engineering is admirable in terms of teaching, research and service. Significant opportunities such as with the state of California, federal agencies, other state universities and local industry exist. I believe that the Associate Dean position will be an excellent, challenging and rewarding experience. I am also confident that I possess the desired blend of academic background, administrative experience, leadership, research expertise, teaching excellence and service activities to fulfill the requirements of the position, and to move the College to the next level of excellence.

The College of Engineering is an "up and coming" entity. It has a mix of junior and senior faculty. The faculty has demonstrated a lot of potential for teaching excellence, research grant procurement, creative work and service activities. The College faculty has substantially increased efforts to procure external research funding in recent years. Excellent potential exists for the establishment of additional doctoral programs and research centers catering to the current needs of the local governments, the state and the country, thereby paving the way for significant increase in research/creative activities. There also exists the opportunity to continue and expand multi-disciplinary partnership efforts with entities outside the College. With the right leadership, a concerted effort in increasing quality research funding, creative efforts and

exposure at national/international levels, the College will definitely be able to significantly improve its standing among similar universities.

In my opinion, the Associate Dean has to nurture the following main areas to enhance the College standing:

- Faculty Development
- Research Enhancement
- Student Development
- Infrastructure Development
- Fund Raising

For faculty development, teaching/communication training, nurturing individual faculty strengths, and availability of resources, such as graduate assistants, space, laboratory and seed funds are essential.

For student development, scholarships, fellowships, internships, co-op opportunities, retention issues, student mentoring, graduate school preparation and smooth transition into workplace are some of the issues that the Associate Dean should pursue.

Research Infrastructure Development includes adequate plan, acquisition and effective use of research space, laboratory and equipment. As an Associate Dean, I shall strive to address the infrastructure issues through proper inventory and a strategy to predict future infrastructure needs.

Due to shrinking operating expenses in various states, external fund raising has assumed a critically needed effort at department levels. I shall strive to install such an effort to enhance faculty, student and infrastructure development. The effort can be

coordinated with the college and university efforts, with assistance from industrial networking. The alumni base can be an excellent source of funding potential. The College may get in to corporate sponsorships and annual grant cycles for the industrial entities.

The College research program may be expanded with national, international, and local research/networking efforts, and expansion of Ph.D. tracks. Establishing multi-disciplinary research cluster areas in critical needs at national and worldwide levels, research experience for undergraduates, scholarships, fellowships, assistantships, a possible combined B.S. - Ph.D. degree, and adequate distance learning resources will be some of my emphasis areas. The research training of quality graduate students directly addresses the College/University Missions.

With the faculty consensus, I would like to set goals and milestones for various achievement areas in the research arena. Some possible examples of such milestones are: graduate enrollment and graduation rate, publication numbers in refereed journals, research dollars, etc. At the end of the milestone period, an assessment will show the levels of achievement for the various milestones. Future milestones will be revised based on the achievement levels. Remedial actions for milestones not achieved will be implemented.

I believe that the Associate Dean duties in order of priorities should be:

- Administration
- Research and Creative Activities
- Professional Activities
- Teaching

Obviously, the College administration will consume much of my time and commitment.

A successful Associate Deanship is an efficient balancing act involving College faculty and upper administration, the Dean, productive vs. non-productive faculty, student vs. faculty, and so on. I shall do my best to find common ground, nurturing the strengths of various partners. In my opinion, the Associate Dean should use diplomacy, communication and consensus building. A new administrator coming from outside should learn the system from existing personnel, and continue the successful ways and traditions that have worked at the University. Any necessary changes have to be implemented gradually. Hopefully, all these measures will take the College to new heights of visibility, prestige and efficiency in research/creative activities. The successful strategies will enable me to maintain a thriving College, and contribute to the overall harmony and achievement in the College. In short, the College will attain "Excellence with Accomplishment".

REFERENCES: Nur Yazdani

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