

Note: Past five years of performance highlighted in red

Najafi, Fazil T.



PRESENT ADDRESS and TELEPHONE

Office: University of Florida, Dept. of Civil & Coastal Engineering
365 Weil Hall - P.O. Box 116580
Gainesville, Florida 32611-6580
(352) 294-7790; Fax: (352) 392-3394
Cell phone: (352) 870-2477
e-mail: fnaja@ce.ufl.edu

EDUCATION

Ph.D., Civil Engineering (Transportation), Virginia Polytechnic Institute & State University (1977)
MS, Civil Engineering, Virginia Polytechnic Institute & State University (1972)
BS, Architectural Engineering, Virginia Polytechnic Institute & State University (1970)
BS, Civil Engineering, American College of Engineering, University of Kabul, Afghanistan (1963)

PROFESSIONAL EXPERIENCE

1. *PROFESSOR and Group Coordinator of Public Works Engineering and Management Program*, University of Florida (UF), Engineering School of Sustainable Infrastructure and Environment, Department of Civil and Coastal Engineering (8/11/2000 - present); construction engineering and management, legal aspects of engineering, cost analysis, transportation systems planning and engineering, Renewable energy research, and civil engineering special research projects.
2. *ASSOCIATE PROFESSOR and Group Coordinator of Public Works Engineering and Management Program*, UF, Dept. of Civil and Coastal Engineering (7/1991 - 2000), construction engineering/civil engineering management, public works management, construction contracts, and specifications, and legal aspects of engineering, engineering cost analysis, transportation systems planning and engineering.
3. *ASSOCIATE PROFESSOR* (as Fulbright Senior Scholar), Qatar University, Department of Civil Engineering (9/9/93 - 6/12/94); construction engineering/civil engineering management, public works management, construction contracts, and specifications, and legal aspects of engineering, engineering cost analysis, transportation systems planning and engineering, and civil engineering special research projects.
4. *ASSOCIATE PROFESSOR and Group Coordinator of Public Works Engineering and Management Program*, UF, Department of Civil Engineering (8/9/91 - 9/8/93); construction engineering/civil engineering management, public works management, construction contracts, and specifications, and legal aspects of engineering, engineering cost analysis, transportation systems planning, and engineering.
5. *ASSISTANT PROFESSOR*, UF, Department of Civil Engineering, (8/8/86 - 8/9/91); construction engineering/civil engineering management, public works management, construction contracts and specifications, and legal aspects of engineering, engineering cost analysis, transportation systems planning and engineering [Tenure received 7/19/91].
6. *RESEARCH HIGHWAY ENGINEER*, Turner - Fairbank Highway Research Center, Pavement Division, U.S. Department of Transportation, Federal Highway Administration, McLean, Virginia, (9/29/85 - 8/8/86). Job assignments and activities were as follows:

Documenting and updating research work progress, maintaining financial records and inventory, preparing

written requests for supporting information to complete research work assignments.

Preparing timely reports to assess research progress to meet deadlines while complying with the established standards of the United States Department of Transportation procedures and formats.

Dealing with weigh-in-motion projects for Highway Planning & Research (HP&R) and, subsequently supervising the development of a low-cost weigh-in-motion project conducted under a direct contract with the Federal Highway Administration.

Working with the project manager and supervisory personnel to develop contracts and staff for the National Cooperative Highway Research Program (NCHRP) and monitoring state Highway Planning and Research Studies utilize knowledge of theory and background information to inform decisions during development.

Identifying implementable outputs of Research and Development (R&D) programs, responding to management requests for technical information related to past and present research assignments.

Doing in-house research using Thumper (a research device capable of creating, measuring, and recording pavement deflections under dynamic and static loading without causing damage to the pavement).

Preparing research proposals to conduct in-house research and requests for proposals for out-of-house contracts, as well as administering, supervising, and monitoring research contracts, and preparing procurement requests, technical reports and report reviews.

Improving the output of the organization through reviewing reports by soliciting technical comments from operating office counterparts, offering constructive criticism as appropriate, and working with others to maximize cooperation to yield a harmonious and productive work atmosphere.

Meeting with numerous outside groups on matters of transportation interests.

7. *HIGHWAY ENGINEER*, Federal Highway Administration, Eastern District Federal Division, 1000 N. Glebe Road, Arlington, Virginia (3/25/85 - 9/28/85). Responsible for the design of highways and bridges, including retaining walls, cribbing, guardrails, riprap, work zone safety design, and appurtenances. I incorporate environmental impacts into all stages of design, as well as the preparation of construction drawings and specifications. In resolving unusual hydraulic problems, I exercised ingenuity in design creation, meeting safety, aesthetic, and engineering requirements, and recommending designs of complex interchanges as necessary. I used the Critical Path Method (CPM) to determine the work schedule required to complete projects on time and cost-effectively.
8. *CONSTRUCTION MANAGER*, New England Railroad Construction Company, Inc., Bridgeport, Connecticut (10/1/84 - 3/15/85). Duties in this capacity included preparing bids, preparing budgets, managing payroll, attending staff meetings, supervising construction and staff, and conducting face-to-face meetings with private and public officials. During the first month of my employment (October 1984), I prepared several bids that won over \$ 1 million worth of projects for bridge work. The job required technical judgment and the use of the computerized Critical Path Method (CPM).
9. *VISITING PROFESSOR*, Department of Computer and Electrical Engineering, George Mason University, Fairfax, Virginia. Responsible for teaching structural FORTRAN 77 (a computer course) for engineers and scientists (8/84 - 10/84).
10. *CONSTRUCTION ENGINEER*, Bechtel Construction Incorporated, Limerick, Pennsylvania (5/1/82 - 8/17/84 part-time). Job assignments and activities included stress analysis, design work, and analysis of complex structural problems using computer software, as well as supervision, monitoring of installed structural members, and providing technical assistance to engineers.
11. *ASSISTANT PROFESSOR*, Civil Engineering Department, Villanova University, Villanova, Pennsylvania (9/1/77 - 6/30/84). Taught at the College of Engineering, including:
 - Engineering Mechanics: Statics and Dynamics

- Plane Surveying, Transportation Engineering, and Laboratory;
- Transportation Engineering and Planning on the Graduate Level.

Also, I supervised the theses of graduate and undergraduate students, organized field trips, developed new courses, invited lecturers, participated in the research, and prepared proposals.

12. *CONSULTANT ENGINEER*, Halifax County Administration, Halifax, Virginia (1977-81, part-time). Assisted the County Administrator in selecting and designing industrial parks and prepared long-range plans for corridor development.
13. *COUNTY ENGINEER*, Giles County Administration, Pearisburg, Virginia (1972-76, full-time). Assisted airport development, parks, and recreation projects; developed utility and solid waste management programs; developed and implemented an effective industrial support program - planned three industrial parks (25, 67, and 141 acres) designed, wrote specifications, and supervised the construction of three industrial complexes (20,000, 30,000, and 37,500 sq. ft.) and assisted in the locating of three industries over a four-year period which generated 600 new jobs in the county. I addressed numerous groups and one national organization on the general role of local government in economic and industrial development.
14. *CONSULTANT CIVIL ENGINEER*, New River Valley Planning District Commission, Radford, Virginia (1970-71). Helped relate engineering, environmental, and demographic data to existing and proposed transportation mechanisms within a 4-county, 1-city geographical area and presented available options for consideration to the governing bodies concerned, as well as presentation of alternative solutions using a computerized mathematical model called "TOPAZ".
15. *STRUCTURAL ENGINEER*, Office of Planning and Engineering, Virginia Polytechnic Institute and State University, Blacksburg, Virginia (1968-72, full-time during summers and part-time during academic years, average of 20 hours/week). Designed building components and updated plans; surveyed and graded site plans; and utilized a computer for institutional space requirements.
16. *GENERAL DIRECTOR*, Building Construction Department, Ministry of Public Works (BCD-MPW), Kabul, Afghanistan (6/65 - 7/66). Responsible for the administration and design of public buildings. Directly supervised twenty foreign engineers and architects. Administered and coordinated the activities of my entire staff and participated in high-level meetings. Became familiar with policies and developed building codes and safety regulations for the country.
17. *STRUCTURAL ENGINEER*, BCD-MPW, Kabul, Afghanistan (1/65 - 6/65). Responsible for implementing construction plans and preparing necessary building specifications, as well as participating in the selection of contractors. Additionally, I directly inspected the contractor's work to ensure the work progress was following the contract requirements.

FACULTY ADVISOR

Engineers for Sustainability, University of Florida, Spring 2017-present.

- Tau Beta Pi (TBP) Student Chapter, University of Florida, Spring 2008-present.
- Puerto Rican Engineering Society Student Chapter, University of Florida, 2004-2008.
- College of Engineering Minority Mentor Program, 1990-present.
- Hispanic Engineering Society (HES) Student Chapter, University of Florida, 1992-2024.
- American Society of Civil Engineers (ASCE) Student Chapter, University of Florida, 1991-2003.
- Gator Soccer Club, University of Florida, 1996-1997.
- UF council member for Minority Mentor
- UF council member for minority recruitment
- Advising UF Fulbright Candidates

ACHIEVEMENTS and AWARDS

Awarded 3rd place in the 2015 American Society of Civil Engineers' Annual Conference Poster Competition (Solar Roadways), Hyatt Regency Hotel, Orlando, Florida (07/16/2015). Participant students:

Courtney Cardozo, Juan Camargo, Kyle Findlater, Josh Herrera, and Dr. Fazil T. Najafi

Nominated by students in the College of Engineering for the first annual E4 Lecturer of the Year award for efforts in promoting and supporting undergraduate education and mentorship for the 2011-12 school year (notified of nomination, March 11, 2012).

Received Best Paper Award (with co-authors M. Mack and N. Safai) for “Cost-Effective Energy Efficient Housing,” 2011 American Society for Engineering Education (ASEE) Annual Conference and Exposition, June 2011.

Paper selected as a Finalist for the International Award for Excellence in the Fourth International Conference on Interdisciplinary Social Sciences Paper (“Effective Environmental Policy toward Reducing Greenhouse Gas Emissions Produced from Transportation”, University of Athens, Athens, Greece, July 2009.

Fall Academic Convocation faculty honoree, teacher of great influence recognition, September 22, 2005.

Awarded “Work of Heart Award” in appreciation for Outstanding Volunteer Service benefiting the local community, Gainesville, FL, May 2004.

Awarded the “Alliance for Graduate Education and the Professoriate Faculty Member” title by UF Provost Dr. David Colburn, April 19, 2001.

Awarded the honor of being voted Chair of the Administration Unit for the American Society for Engineering Education-Southeastern (ASEE-SE) Annual Conference, Charleston, SC, April 2, 2001.

Awarded \$5,000 grant from the Office of Instructional Resources to develop a module of three-dimensional simulation of virtual field trips for Public Works courses, including FEEDS.

Promoted to Professor, effective August 2000.

Awarded the honor of being voted Chair by the ASEE-SE for the Civil Engineering Division, and Vice-Chair Of the Administration Unit, American Society for Engineering Education–Southeastern Annual Conference, April 12, 1999, Clemson, SC, and April 4, 2000, Roanoke, Virginia.

Awarded by the UF Council on Faculty Enhancement Activities, an invitation to participate in the Workshop on Academic Management Conference at Camp Weed, Florida, May 19-21, 1996.

Awarded the Tom C. Evans Instructional Unit Award by the American Society for Engineering Education (ASEE). The paper, “New Trends and Context for Change in Engineering Education,” was selected as the best paper and was presented at the ASEE Southeastern Regional Conference, Gatlinburg, Tennessee, April 15, 1996. The award amount was \$500.00.

Honored by the response of citizens from many countries around the world, including Hungary, Poland, and Great Britain, who requested copies of my radon paper published in the Health Physics Journal.

Awarded Outstanding Teacher Award, College of Engineering, University of Florida, 1995-96.

Honored by the enactment by the 1995 Florida Legislature through HB 1647 of legislation based on the results Of the radon research project for which I was the Principal Investigator, effective July 1, 1995. The legislature adopted the Florida Standard for Passive Radon Resistant New Residential Building Construction as a part of the building code.

Honored with a Certificate of Appreciation for Judging the 1995 Science Fair, Howard Bishop Middle School, Gainesville, Florida, January 10, 1995.

Awarded University Teaching Improvement Program (TIP) Award, University of Florida, 1994-95.

Awarded sponsored research (FDOT, STAR, DCA, etc.)

Awarded a Fulbright Senior Scholar position in Qatar for the 1993-94 academic year, spending one academic year, September 1993 until June 1994, doing teaching/research at Qatar University, College of Engineering (Also selected for 1992-93 in Indonesia, but was unable to accept due to our Civil Engineering department teaching needs.

Became an acting member of the Coordinating Committee of the UF Fulbright Alumni Association, established

by the Florida Fulbright recipients, December 1992.

Honored, along with other Fulbright Scholars, with a dinner at the home of Dr. and Mrs. John V. Lombardi, President of the University of Florida and wife, Thursday, October 8, 1992.

Awarded tenure, effective July 1991.

Promoted to Associate Professor, effective June 1991.

The Star Grant Oil Spill Project was completed in June 1991, praised highly by the sponsor and other sources, and received warm publicity throughout the United States from the Associated Press. Many requests have come from public and private sources requesting copies of the project. The sponsor, "STAR," published the report in the Florida Institute of Government Journal, 1991.

Admitted as an "Eminent Engineer," TAU BETA PI, Florida Alpha Chapter, December 1, 1989.

Received the Farrell Teaching Award, Villanova University, College of Engineering, 1983, as well as Honorable Mention for the same award in 1982. (This is a prestigious award given once a term to an outstanding professor.)

Received Villanova University Research Award, (investigated the "Cross-Impact Analysis of Mid-County Expressway," published in the Institute of Transportation Engineering Journal, January 1982, pp. 29-32), summers 1981/82.

Received a Fulbright Scholarship, Virginia Polytechnic Institute & State University, earned a BS in Architectural Engineering, 1966-70.

Awarded the honor of being voted Secretary by the ASEE-SE for the Administration Unit, American Society for Engineering Education–Southeastern Annual Conference, Mississippi State University, Starkville, Mississippi, 3/12/ 2025.

CONSULTATIONS OUTSIDE THE UNIVERSITY

Periodically assisted Brevard Economic Development Corp., Melbourne, FL, in industrial and economic development activities. I assisted Mr. Darryl Gosnell, the president, and Mr. Robert Rohrlack, Council for Economic Outreach, Alachua County, and the City of Gainesville (1989-2005).

SCIENTIFIC and PROFESSIONAL SOCIETIES MEMBERSHIPS

American Public Works Association (APWA)

1986 - 2015 Member

American Society of Civil Engineers (ASCE)

1987 - 2015 Member

1995 - Present Committee Member, Urban Transportation Division, High-Speed Ground Transportation Committee

1997 Conference Chair, local chapter meeting

1993-1995 Committee Member, Urban Highway Facility Design, UTD Committee on Facility Design and Operation

American Society for Engineering Education (ASEE)

1990 - present Member

2002-2005 Newsletter Editor, ASEE International Division

2000-2003 Secretary/Treasurer, ASEE International Division, Annual Conference

1999 - 2010 Member, Advances in Structural Engineering and Mechanics (ASEM)

American Society for Engineering Education-Southeastern Section (ASEE-SE)

April 4-6, 2004	Chair, ASEE-SE Annual Conference Administrative Unit, Administrative Division, ASEE-SE Section Meeting, Virginia Polytechnic Institute and State University, Roanoke, Virginia
April 11-13, 1999	Chairman, Civil Engineering Division, ASEE-SE Annual Meeting, Clemson University, South Carolina
April 5-7, 1998,	Vice-Chairman, Civil Engineering Division, ASEE-SE Meeting, held at Ramada Resort, Orlando, Florida
April 15, 1997,	Secretary, Civil Engineering Division, ASEE-SE Meeting, held at Southern. Polytechnic State University, Marietta, Georgia
April 8-11, 1990,	Vice-Chairman, Civil Engineering Division, ASEE-SE Meeting, held at The University of North Carolina, Charlotte, North Carolina
March 1-5, 2017	Vice-Chairman, Civil Engineering Division, ASEE Zone 2, 2017, spring Conference. Caribe Hilton, San Juan, Puerto Rico. March 2-5, 2017

1973-1977	Member, American Society of Planning Officials
2003-2010	Member, Canadian Society for Civil Engineering (CSCE)
1979-1984	Citizen Member, Delaware Valley Regional Planning Commission Philadelphia, Pennsylvania
1981-1983	Member, Institute of Transportation Engineers, Villanova University, Villanova, Pennsylvania
1977-1984	Faculty member, Institute of Transportation Study, Villanova University, Villanova, Pennsylvania
2010-present	Member, International Road Federation (IRF)
2011-2023	Secretary, Board for International Education Road Federation (IREF)
1972-1976	Member, Southern Industrial Development Council
1989-present	Member, Tau Beta Pi, Florida Alpha Chapter
1989	Admitted as an "Eminent Engineer"

Transportation Research Board (TRB), National Academy of Sciences (NAS)

2003 - present	Committee member, A3C17, Bridge Maintenance
1999 - present	Committee member, A3C06, Structures Maintenance
1990-1991	Committee member, A3A03, Transportation System Management
1977-1987	Committee member, A2B08, Vehicle Counting, Classification, & Weigh-In- Motion System

Member, Transportation Research Forum International Chapter, a refereed organization established more than 30 years ago to assist the infrastructures of national and international transportation systems

1989-1991

PROFESSIONAL COMMITTEES/PROGRAMS

University of Florida (UF) Committees:

2011-present	Chief Marshall for the New Student Convocation for the College of Engineering, UF
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2007-2008	Member, Search Committee for UF Chair of the Department of Civil and Coastal Engineering, selected by the College of Engineering Dean Khargonekar
2003-2006	Member, UF Constitution Committee
2003-2006	Member, University Committee on Academic Freedom
2002-present	Chief Marshal, College of Engineering Commencement Marshals Committee
2002-2005	Member, UF Senate Tenure and Promotion and Faculty Affairs Governance Committee
2000-present	Member, Department Mission Board, Dept. of Civil & Coastal Engineering (CCE).
2000-2003	Member, CCE Salary Adjustment Program Committee for those full professors with seven years or more in service
2000-2001	Selected interviewee with ABET Visiting Committee for CCE
1999-2010	Member, OCO Committee, Department of Civil and Coastal Engineering
1999-2000	Appointed member by UF President Lombardi, Search Committee for UF Dean of the College of Architecture
1999-2000	Appointed member by department faculty vote, Search Committee for UF Chair of the Department of Civil and Coastal Engineering
1999-2000	Member, College of Engineering Faculty Recognition & Awards Committee
1999-2000	Member, Leadership and Service Awards Selection Committee, Benton The Engineering Council (BEC) enlisted the student BEC members
1998-present	Member, People Awareness Week Advisory Committee
1998-2002	Member, UF Senate
1998-1999	Member, UF Constitution Committee
1997-2007	Member, Dept. of Civil & Coastal Engineering Space Planning Committee
1997-2010	Member, Advisory Board on Excellence in Teaching Program, Center for Excellence in Teaching
1997-present	Council Member, Minority Mentor
1997-present	Council Member, Minority Recruitment and Retention Committee
1997-2002	Member, Community Campus Council
1997-1998	Appointed member, Scholarship Selection Committee, UF International Center (UFIC)–formerly Office of Internals Studies & Programs (OISP)
1996-1997	Member, Educational Policy Committee
1995-2002	Member, CCE Department Teaching Improvement Program (TIP) Award Evaluation Committee
1995 -1997	Member, College of Engineering Student Petitions Committee
1992-present	Member, Fulbright Alumni Association Coordinating Committee
1991-1992	Chairman, College of Engineering Teacher Evaluation Committee appointed by the Dean of the College of Engineering to evaluate the “Teacher Evaluation Form”
1991-1992	Member, Administrative Council (voted in by the UF Senate)
1991-2002	Associate Chief Marshal, UF Commencement Marshals Committee
1990 to present	Member, College of Engineering Minority Mentor Program
1989 to present	Member, Graduate School Doctorate Research Faculty (DRF)
1989-1992	Member, College of Engineering Faculty Evaluation Committee (Replaced

	Dean Bevis, Associate Dean, College of Engineering, as the College Representative; Chairman, 1991-1992.
1989-1991	Member, Commencement Marshals with Special Assignments
1989-1991	Member, Mathematics and Science Committee; Chairman, 1990-1991
1989-1991	Member, Transportation Research Forum (TRF), a refereed organization established more than 30 years ago to assist the infrastructure of the national and international transportation systems.
1988-2002	Member, University of Florida Commencement Marshals Committee

Other Professional Groups/Programs:

1986-present	Member, Traffic Software User Group (TSUG), U.S. Department of Transportation, Federal Highway Administration
1977-1982	Faculty member, Graduate Research Committee, Villanova University, Villanova, Pennsylvania

PROFESSIONAL SERVICE

REVIEWER – PAPERS, OR BOOKS FOR PROFESSIONAL ORGANIZATIONS

ASCE, *Journal of Computing in Civil Engineering* (a refereed journal), 1991-92, one paper total.

ASCE, *Journal of Construction Engineering and Management* (a refereed journal), February 1998 to present, four papers reviewed.

ASCE, *Journal on High-Speed Ground Transportation* (a refereed journal), 1991 to present, two papers reviewed.

ASCE, Journal of Transportation Engineering (a refereed journal), May 1998 to present, three papers reviewed.

ASCE, *Journal of Transportation Engineering*, Air Transportation Division (a refereed journal), December 1996-present, one paper reviewed (“Coping with Construction in Operational Airports & SFIA Case Study” by Manar Shami, Professor, & Adib Kanafani, Director, Institute of Transportation Studies, Department of Civil & Environmental Engineering, University of California at Berkeley).

ASEE, Engineering Education Papers for the Annual Conferences (a refereed *Proceedings*), three to six papers reviewed annually, August 2002 to present.

ASEE-SE, Engineering Education Papers Annual ASEE-SE Meetings (a refereed *Proceedings*), January 1999 to April 2004, eighteen papers reviewed.

ASEE-SE, Technology Papers for the 1999 64th Annual ASEE-SE Meeting, (a refereed *Proceedings*), January 1998 to December 1998, eight papers reviewed.

Health Physics Society, *Health Physics, the Radiation Protection Journal*, Williams & Wilkins, A Waverly Company, Baltimore, Maryland, February 1998 to present, two papers reviewed.

Marcel Dekker, Inc. (publisher), *Preliminary Design of Modern Bridges*, a book for practitioners doing preliminary design on bridges or re-engineering of bridges, by Professor Melaragno, the University of North Carolina at Charlotte, August 1997.

Qatar University, *Engineering Journal*, Doha, Qatar (a refereed journal), 1993-present, one paper reviewed.

TRB, review four papers on renewable energy, 2013-2015.

TRB, Committee A3B05 on Safety, Data, Evaluation and Analysis, October 1998-present, one to four papers reviewed annually.

TRB, Committee A3C06 on Structures Maintenance and Management, September 1999-February 2004, seven papers reviewed.

TRB, Committee AHD25 on Sealants and Fillers for Joints and Cracks, 2009- present.
TRF, *Journal of the Transportation Research Forum* (a refereed journal), 1990-91, 1 paper per year.

REVIEWER – TENURE/PROMOTION PACKAGES FOR PEERS

1. Professor Sylvan Jolibois, Civil Engineering Department, Florida International University, Miami, Florida, September 1998 (provided a letter of recommendation for full professorship).
2. Professor J. P. Mohsen, Civil Engineering Department, University of Louisville, Louisville, Kentucky, July 1995 (provided a letter of recommendation for full professorship).
3. Professor C. Cosma, Wentworth Institute of Technology, Boston, Massachusetts, November 2011 (provided a letter of recommendation for full professorship).
4. Dr. Clayton Clark, UF Grant In Aid, University of Florida, Gainesville, Florida, April 2005 (provided a letter of recommendation).
5. Dr. Bensa Nukunya, faculty position for Civil and Environmental Engineering, Tennessee Tech University, Cookeville, Tennessee, March 2005 (provided a letter of recommendation).
6. Dr. Claude Villiers, faculty position for the College of Engineering, The City College of New York, April 2006 (provided a letter of recommendation for an assistant professor position).
7. Dr. Saleh Keshawarz, College of Engineering, Civil Engineering Department, University of Hartford, West Hartford, Connecticut (provided a letter of recommendation for full professorship).
8. Dr. Bahaudin Mujtaba, College of Business, Nova Southeastern University, Fort Lauderdale, Florida, December 2009, (provided a letter of recommendation for full professorship).
9. Dr. Samer Ezeldin, College of Science and Engineering, The American University in Cairo, Cairo, Egypt, August 2005, (provided a letter of recommendation for full professorship).
10. Dr. Jian Lu, College of Engineering, Civil and Environmental Engineering, The University of South Florida, Tampa, Florida, October 2004 (provided a letter of recommendation for full professorship).
11. Dr. Hossein Jula, College of Technology, School of Construction and Design Technologies, Penn State Harrisburg, Middletown, Pennsylvania, September 2005 (provided a letter of recommendation for an associate professor position).
12. Dr. Roberto Soares, Construction Management Department, University of North Florida, Jacksonville, Florida, May 2009 (provided a letter of recommendation for an assistant professor position).
13. Dr. Y.A. Mehta, College of Engineering, Department of Civil and Environmental Engineering, Rowan University, Glassboro, New Jersey, August 2005 (provided a letter of recommendation for tenure and promotion to associate professor).
14. Dr. Yves Anglade, College of Engineering/Technology Division, Florida Agricultural and Mechanical University, Tallahassee, Florida, September 2005 (provided a letter of recommendation for tenure and promotion to associate professor).

INTERNATIONAL ACTIVITIES

TEACHING

September 1993 - June 1994, sabbatical with Senior Fulbright Scholar Status at Qatar University, Doha, Qatar, where the candidate helped students develop research, did research and taught, took students on field trips, and attended the students' senior civil engineering final exam project presentations.

RESEARCH

1994, the candidate developed the following research papers while on sabbatical with Senior Fulbright Scholar Status at Qatar University, Doha:

Najafi, F. T., Noureldin, Magdy, S., and Lazer, P., "Computerized Fleet Management Program," to be used by students within the Department of Civil Engineering.

Najafi, F. T., Ahamed, Shamim, and Al-Hajri, Khalid, “Construction Project Control,” to be used by students within the Department of Civil Engineering.

SERVICE ACTIVITIES

- On February 8-9, 2012, I attended a meeting at the request of Dr. Joachim Lembach from the International Office at Karlsruhe University of Applied Sciences, Karlsruhe, Germany, along with other UF faculty members, in Room 207 of Weil Hall.
- November 29, 2011, presented “Introduction to UF Research Program and Graduate ESSIE School” and “Prestressed Concrete” at the Technische Universität Hamburg-Harburg, Hamburg, Germany.
- In October 2009, I presented three invited papers on civil engineering education in universities in India, Sudan, and Florida at the 2009 American Society for Engineering Education (ASEE) Global 8 Colloquium, held at the Hungarian Academy of Sciences in Budapest, Hungary.
- February 17 and 19, 2009, served as UF Department of Civil and Coastal Engineering representative/liaison at two European university institutions (Technische Universität in Hamburg, Germany, and Technische Universität in Berlin, Germany), delivering presentations and pursuing recruitment of Ph.D. students, furthering relations for a Scholarly Exchange Program between these institutions and UF.
- June 7-13, 2004, served as UF Department of Civil and Coastal Engineering representative/liaison at four European university institutions to recruit Ph.D. students and initiate relations for a Scholarly Exchange Program between these institutions and UF. Among the faculty Najafi met with are: Dr. Guenter Rombach of the Technische Universität (Hamburg-Harburg) in Hamburg, Germany; Dr. Bernd Hillemeier of the Technische Universität (Berlin) in Berlin, Germany; Dr. Carsten Schloetzer of the Fachhochschule in Detmold, Germany; and Dr. Universität für Bodenkultur (Wien) in Vienna, Austria.
- March 27-29, 2000, attended SUCCEED and Gateway Coalition Conference, Greensboro, North Carolina.
- February 11-12, 1999, a participant in an international workshop sponsored by the National Science Foundation/Southern Universities and Colleges Continuing Engineering Education (NSF/SUCCEED), Madren Conference Center, Clemson University, Clemson, South Carolina.
- January 1999-2002, a participant in the UF International Center survey and discussion groups led by Associate Director, Dr. Richard Downie, working towards enhancing UF’s involvement in Asia-related activities. The candidate's area of interest is to develop an Asia focus in line with the goals of UF, the State of Florida, and the nation. I was selected as a leader for this effort in developing a university-wide set of goals and objectives.
- July 26, 1998, to August 10, 1998, served as UF Civil Engineering department representative/host/liaison to the Head of Civil Engineering Department, College of Engineering, Qatar University, Dr. Hamad Shamim, during his visit to UF. This visit furthers relations with Qatar University for the Scholar Exchange Program, which the candidate helped arrange. Examples of various aspects of UF and its colleges, notably the College of Engineering departments, were provided to Dr. Shamim, who expressed gaining insight into our curriculum activities, laboratory setups, and teaching styles. Dr. Shamim departed quite pleased and with a great impression of our college and university.
- 1997-1998, served on the UF International Center Scholarship Selection Committee to evaluate UF student candidates for international scholarships to China, Europe, Latin America, Mexico, and the Middle East for studying abroad; an excellent opportunity to coordinate and select talented UF students for opportunities abroad for developing an understanding of different cultures and education.
- 1996, Assisted Dr. Martin Hall, Dean of the Faculty of Applied Skills, UNITEC Institute of Technology, Auckland, New Zealand, in presenting their goal of “establishing educational links” between UNITEC and the University of Florida. UNITEC is the second-largest technical institution in New Zealand, offering specialized courses in various disciplines.

From 1994 to 1997, upon returning from Qatar University in Doha, Qatar, I recruited a graduate Ph.D. student named Khalid Naji to our Civil Engineering Department. I was the chair of his Ph.D. committee. Khalid earned his Ph.D. Degree and returned to Qatar as an assistant professor in the Civil Engineering Department, Qatar University. Dr. Khalid Naji is now serving as the vice president of Qatar University (present).

1993-94, attended professional meetings and functions at Qatar University while on sabbatical:

Qatar University College Dean meetings and Round Table discussions sharing views on engineering education, September 1993 - June 1994.

“Geographic Information System (GIS) - What Is It? And Why We Need It,” by experts from the Ministry of Municipal Affairs, Sheraton Hotel, Doha, Qatar, January 13, 1994.

“Corrosion,” by experts from the UK, Sheraton Hotel, Doha, January 1994.

“Quality Control and Assurance,” by experts from the Qatar General Petroleum Corporation, Sheraton Hotel, Doha, Qatar, April 3, 1994.

The Qatar University Administration attended meetings concerning the initiation of the Scholar Exchange Program, which was established through an Inter-Institutional Agreement between the University of Florida and Qatar University in May 1994. The agreement was signed by UF President Dr. Lombardi and the President of Qatar University, marking the initiation of the program between the two universities. Dr. Paul Thompson, UF CE Dept. The chair played a key role in the establishment of this agreement.

1991-92, worked with the Peace Fellowship Program of the Cultural and Educational Bureau of the Embassy of the Arab Republic of Egypt to help place a Peace Fellow applicant at the University of Florida (he was, unfortunately, unable to pursue the program as planned).

Attended and participated in International Professional Meetings/Conferences (other than those already mentioned in publications, proceedings & international presentations sections):

The candidate served as a member of the Organizing Committee of the Canadian Society for Civil Engineering (CSCE) 2nd Transportation Specialty Conference held in Halifax, Nova Scotia, Canada, June 10-13, 1998, as well as moderator of a session (“Traffic Control in Congested Streets”) and presenter of papers. (295 professionals were attending from the U.S., Canada, Italy, Greece, Egypt, Iran, Pakistan, India, China, Jamaica, and Macau.)

The candidate has moderated and chaired various technical sessions. He also chaired Session 2260, “International Collaborative Efforts,” at the Annual Conference of the Canadian Society for Civil Engineering (CSCE), held in Montréal, Quebec, Canada, from June 5 to 8, 2002.

I attended the International Road Federation conference in Plovdiv, Bulgaria, from September 24 to 27, 2024. I participated in the presentation of scholars and presented a technical paper. The organization invited me to be a distinguished speaker at the IRF Europe & Central Asia Regional Congress, held from September 24 to 27, 2024, in Plovdiv, Bulgaria. The conference chairman waived the registration costs.

I traveled to Berlin, Germany, from April 23, 2025, to April 30, 2025. I had meetings at the Technical University of Berlin (TUB) to create an exchange program under the International Memorandum of Understanding (MOU). I arrived in Berlin, Germany, on April 24. On April 25, I visited the various Research laboratories at the TUB campus. On April 28, I met with Professor Dr. Tomas Fernandez Steeger regarding the MOU. On April 29, 2025, I met with Professor Dr. Bernd Hillemeier and Professor Dr. Rackwitz. We discuss the creation of an exchange program for both our students and professors at both of our institutions of higher education. I departed Berlin on April 30, 2025, and returned to Gainesville, Florida.

SPONSORED RESEARCH

1. "Evaluation of Existing Practices of Storm Sewer Assessment Methods, Standards and Protocols Manual for Sarasota County," Najafi as Principal Investigator (PI), and Kirk Hatfield Co-PI, sponsored by Sarasota County Government, \$150,000 (total funding), August 2010.
2. "Durability of In-situ Pipe Repair," Najafi as Principal Investigator (PI), and Co-PIs from UF (Willie G. Harris, Department of Soil and Water Science, and Larry C. Muszynski, Rinker School of Building Construction), sponsored by Florida Department of Transportation (FDOT), \$100,000 (total funding), June 2010.
3. "Development of Guidelines for Driveway Location and Median Configuration in the Vicinity of Interchanges," Najafi, as an investigator (Principal Investigator, Scott Washburn), sponsored by FDOT, \$86,200, June 2003.
4. "Evaluation of Flowable Fill in Florida," Najafi as PI, sponsored by FDOT, \$98,350 (total funding), August 2001.
5. "Evaluation of Thermoplastic Bonding Strengths Related to Pavement Surface Preparation," Najafi as PI, sponsored by FDOT, \$25,000, January 1999.
6. "Using Benefit-Cost Analysis Procedures in Transportation Planning," Najafi as PI, a grant sponsored by National Highway Institute (NHI), Federal Highway Administration (FHWA), U.S. Department of Transportation (USDOT), \$39,397 total funding, August 1998.
7. "Identification of Typical Intersection Crash Pattern," Najafi as PI, and Co-PIs from University of Central Florida, University of South Florida, Florida International University, and Florida Institute of Technology, sponsored by FDOT, \$306,057 total funding, August 1997.
8. "Development of User Cost Data for Florida's Bridge Management Systems," Najafi as PI, sponsored by FDOT, \$175,000 total funding, August 1997.
9. "Development of Computerized Ranking System for Hazardous Pole Relocation," Najafi as PI, sponsored by FDOT, \$73,754 total funding, August 23, 1996.
10. "The Guidelines and Specification of Reclaimed Aggregate for Pavement," Dr. Abdul Chini, Professor of Building Construction (UF), and Najafi as Co-PI, sponsored by FDOT, \$81,520 total funding, August 23, 1996.
11. "Analysis of Truck Traffic Weight Data to Verify and Forecast Truck Traffic and Damage Factors Used in Pavement Design," Najafi as PI with two M.S. graduate student research assistants, sponsored by FDOT, \$70,223 total funding, August 1995 - August 1996.
12. "Pole Relocation Procedure Based on Predictive Models and Liability Assessments," Najafi as PI with one M.S. graduate research assistant, sponsored by FDOT, \$49,900 total funding, January 1995- January 1996.
13. "Minority Retention Success Model," Dr. Earle, Dr. Najafi (as Co-PI), and Dr. E. T. Bolduc, with one Ph.D. student and one post-doctoral student, sponsored by the National Science Foundation (NSF), \$89,998 total funding, August 16, 1993 - February 28, 1995.
14. "Alternative Success Models for Engineering Faculty," Najafi as Co-PI with one Ph.D. graduate research assistant, sponsored by the NSF, UF Project No. 4910450475412, Task #16; Project administered by North Carolina State University, \$39,964 total funding, August 17, 1992 - August 31, 1994.
15. "Environmental Best Management Practices for Stormwater Management and Design," Najafi as PI and Professor Bent A. Christensen, with two M.S. graduate assistants and one undergraduate. Selected after advertisement and evaluation of our proposal compared with other university proposals. This project was sponsored by the FDOT, with a total funding of \$146,819, from January 1992 to January 1994.
16. "Evaluation of Building Design, Construction and Performance for the Control of Radon in Florida Houses-New House Evaluation," Professor David E. Hintenlang (NES), Professor F.T. Najafi (as Co-PI) (CE), Professor A.J. Shanker (BC), and Professor Charles E. Roessler (EES); project sponsored by the Department of Community Affairs, \$200,000 total funding, March 1993-Dec. 1993.
17. "New House Evaluation of Potential Building Design and Construction for the Control of Radon in Radon Prone Areas of North Florida," Najafi as PI, other participants are Professor Charles E. Roessler (EES), Professor David E. Hintenlang (NES), Professor A. J. Shanker (BC), and Jim Tyson, Florida Solar Energy Center. The project was advertised nationally by the Florida Department of Community

Affairs (FDCA). The FDCA expert reviewed our proposal and gave us the highest score. It was a \$2 million project with a total funding of \$200,000, allocated to our department from February 1992 to November 1992.

18. "Cost-Benefit Matrix in Utility Corrective Measures Considering Loss Potential Versus Cure Cost," Najafi as PI with one MS graduate research assistant, sponsored by FDOT, \$41,357 total funding, October 1991 - October 1992.
19. "Completed Utility Tort Cases on Joint Use of Public Right-of-Way Indemnification and Relevant Uses," Najafi as PI with one MS graduate research assistant, sponsored by FDOT, \$53,148 total funding, November 1990 - November 1991.
20. "Development of a Computerized Coordinated Urban Signalized Intersection Improvement Technique," Najafi as PI with two MS graduate research assistants, sponsored by FDOT, \$74,971 total funding, November 1990 - November 1991.
21. "An Assessment of the Impacts of a Major Oil Spill in Coastal South Florida and the Adequacy of Response Capabilities," Najafi as PI with two MS graduate research assistants, STAR GRANT, sponsored by the Florida Institute of Government, \$35,000 total funding, July 1990 - May 1991.
22. "Exceptional AASHTO Policy for Existing Utilities," Najafi as PI, with one M.S. graduate research assistant, sponsored by the FDOT, \$45,000 total funding, August 1989 - August 1990.
23. "Heavy/Construction Equipment Titling and Registration Feasibility Study," Najafi as PI, with one M.S. graduate research assistant, STAR GRANT, sponsored by the Florida Institute of Government, \$20,000 total funding, August 1989 - April 1990.
24. "Analysis of Cost-Effectiveness of Highway Versus Transit Services," Project Director and PI, with one Ph.D. graduate research assistant, sponsored by FDOT, \$37,200 total funding, August 1989 - August 1990.
25. "Feeder Bus Service for Downtown People Mover," Project Director and PI, with one Ph.D. graduate research assistant, sponsored by the United States Department of Transportation, Urban Mass Transportation Administration, \$31,403 total funding, August 1989 - February 1990.
26. "Development of an Automated Technique for the Analysis of Improving Urban Signalized Intersections," Project Director and PI, with one MS graduate research assistant, sponsored by FDOT, \$75,000 total funding, August 1988 - December 1989.
27. "Preliminary Investigation of Testing Procedures for Evaluation of Rutting Resistance," Co-PI with Byron E. Ruth, with one MS and one Ph.D. graduate research assistant, sponsored by FDOT, \$113,563 total funding, July 1, 1988 - August 1989.
28. "Feeder Bus Service for Downtown People Mover," Project Director and PI, with one MS graduate research assistant, sponsored by the United States Department of Transportation, Urban Mass Transportation Administration, \$51,795 total funding, November 1988 - August 1989.
29. "Analysis of Cost-Effectiveness of Highway Versus Transit Services," Project Director and PI, with one Ph.D. graduate research assistant, sponsored by FDOT, \$99,200 total funding, August 1987 - August 1989.
30. "Evaluation Procedure for Placement of Fiber Optics Telecommunication Systems Along the Right-of-Way of Transportation Facilities," Project Director and PI, with one MS graduate research assistant, sponsored by FDOT, \$49,228 total funding, August 1987 - August 1988.
31. "Methods of Determination of Construction Equipment Rental Rates for the State of Florida," Co-PI with Z. J. Herbsman, W. W. Coons, and one MS graduate research assistant, sponsored by FDOT, \$47,340 total funding, August 1986 - August 1987.
32. "Analysis of the Cost-Effectiveness for Urban Intersection Improvements," Co-PI with C. A. Collier, with two MS and one Ph.D. graduate research assistants, sponsored by FDOT, \$71,998 total funding, August 1986 - July 1987.

CREATIVE WORKS

VIDEO CASSETTE

“Automated Sketch Planning Process (ASPP) for Improving Intersections,” a videocassette prepared for the Florida Department of Transportation (which is available for student use) by the candidate, S. Naik (graduate student) and C. Jacks (computer programmer at the UF Transportation Research Center), Dec 1990.

Videocassettes prepared for the Florida Engineering Education Delivery System (FEEDS) by the candidate since 1992 for teaching two graduate-level courses to graduate students (Public Works Management – CGN 5606 and Public Works Planning – CGN 5605) who work full-time as professionals in government and private companies, and who take these courses to earn their master’s degrees through FEEDS. The live audience includes graduate and undergraduate engineering students, who also use the videocassettes.

SOFTWARE

I developed the ASPP (Automated Sketch Planning Process) Software for the Florida Department of Transportation (FDOT) as a computerized process for improving urban signalized intersections. It was submitted to the FDOT in December 1990 for use in their planning process for improving intersections in Florida. The candidate worked closely with C. Jacks of the UF Transportation Research Center in the development of this software in 1989-90. This project was published in the *Transportation Research Record 1280*, by the Transportation Research Board, National Research Council, 1990.

OSRCSF (Oil Spill Response Capabilities in South Florida) Software: My graduate students, Baran, Fu, Prasad, Salimi-Tari, and Ducher, and I developed the software under the STAR Grant, supported by the Institute of Government for the South Florida Regional Planning Council. The purpose of the South Florida Oil Spill Response Information System is to enhance existing response capabilities and to assist officials in handling oil spills by providing the necessary data. The database contains information on oil-sensitive areas, including addresses and phone numbers of contact personnel, as well as a list of oil spill cleanup contractors and their associated equipment. DBASE3 PLUS is a popular database management language that can run on an IBM PC/AT or compatible system in a DOS environment. The computerized system is a highly efficient oil spill management tool that has garnered significant publicity through the Associated Press and was published in *Transportation Research Record 1333* by the Transportation Research Board of the National Research Council in 1992.

WIM (Weigh-In-Motion) Software: This software, developed by the candidate and his students, was designed for the FDOT to analyze weigh-in-motion truck data, including average weight and damage factors of trucks, the total number of trucks, and standard deviation. The software analyzes truck traffic in relation to factors contributing to truck damage as of November 1996. It is for use by roadway and bridge designers, engineers, and planners. This project was reviewed by the Transportation Research Board (TRB) of the National Research Council and presented by the candidate at their 76th Annual Meeting in Washington, DC, in January 1997.

Utility Pole Accident Frequency Predictive Model Software: This software was developed for FDOT by the candidate and his graduate student. I collected data from FDOT and identified factors that contribute to pole accidents. I used the SAS program to determine model coefficients. The developed software generates predicted utility pole accident frequency and provides decision-makers with probability-based accident prediction, May 1998.

PUBLICATIONS

MONOGRAPHS

Note: All monographs were subjected to both internal and external review before acceptance for publication by the sponsoring agency. In both Monographs #1 & #2, the following graduate students also contributed: Fadi E. Nassar, Esfandiar Salimi-Tari, Win-Gin Li, and Lalit Lalwani.

1. Najafi, F. T., Shanker, A. J., Roessler, C. E., Hintenlang, D. E., and Tyson, J., "New House Evaluation of Potential Building Design and Construction for the Control of Radon in Marion and Alachua Counties, Florida," EPA-600/R-95-170, U.S. Environmental Protection Agency (EPA), Office of Research and Development National Risk Management Research Laboratory, Research Triangle Park, NC, December 1995, 262 pages.
2. Hintenlang, D. E., Shanker, A. J., Najafi, F. T., and Roessler, C. E., "Evaluation of Radon Resistant Construction Techniques in Eight New Houses," EPA-600/R-95-114, U.S. EPA, Air, and Energy Engineering Research Laboratory, Research Triangle Park, NC, July 1995, 154 pages.

***Additional note:** The Florida Department of Community Affairs approved the results of these two monographs. The 1995 Florida Legislature, through HB1647, enacted legislation effective July 1, 1995, adopting the Florida standard for Passive Radon Resistant New Residential Building Construction.*

Co-Editor of the following refereed journals:

1.MDPI

Buildings Editorial Office

Grosspeteranlage 5, 4052 Basel, Switzerland

2."BIM Methodology and Tools Implementation" in Buildings.

Buildings MDPI (ISSN 2075-5309) is an international, peer-reviewed, open-access journal on building science, building engineering, and architecture published online by MDPI.

REFEREED PUBLICATIONS

Refereed Journals

1. **Omar Bagasi, Nawari Nawari, and Fazil Najafi, *Pre-Design Stage: Computerizing Architect-Client Communication Using Virtual Reality and Artificial Intelligence*, International Conference on Computing in Civil and Building Engineering (ICCCBE), ÉTS, Montréal, Québec, Canada, 25-28 August 2024, 7 p**
2. **J Samuel A. Babatunde, Fazil T. Najafi, *Key Concepts in the Analysis and Design of Steel Stacks*, Journal of Earthquake Science and Soil Dynamics Engineering, Volume 7, Issue 2, 2024, 11 p
DOI: <https://doi.org/10.5281/zenodo.12577452>**
3. **Mang Tia, Ohhoon Kwon, Emad Alshammari, Yumin Su, Nabil Hossiney, Fazil Najafi, "Factors Affecting the Performance of Concrete Pavement" MDPI Journal, Basel, Switzerland, 11/21/2024**
4. **Queiroz, A., Najafi, F., and Hanrahan, P. (April 28, 2016). "Implementation and Results of Solar Feed-In-Tariff in Gainesville, Florida." *Journal of Energy Engineering*, [10.1061/\(ASCE\)EY.1943-7897.0000373](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000373), 05016005.**
5. **Najafi, F.T., Angalade, Yves J., Robby Kevin, "An in-depth evaluation and analysis of traffic and work zones during highway construction", IRF Examiner, Road safety application, spring 2014, Washington DC, pp 11-16.**

6. Cho, D., Najafi, F. T., and Kopac, P. A., "Determining Optimum Acceptance Sample Size: Second Look," *Transportation Research Record: Journal of the Transportation Research Board (TRB)*, No. 2228, National Research Center (NRC), Washington, DC, 2011, pp. 3-10.
7. Myers, L.O., and Najafi, F. T., "Performance Bond Benefit-Cost Analysis," *Transportation Research Record: Journal of the TRB*, No. 2228, NRC, Washington, DC, 2011, pp. 61-69.
8. Najafi, F., Vidalis, S., Munksgaard, K., and Diamond, M., "Effective Environmental Policy toward Reducing Greenhouse Gas Emissions Produced from Transportation," *International Journal of Interdisciplinary Social Sciences*, Kalantzis, M., and Cope, W., Ed., January 2010, Vol. 4, Issue 11, pp. 113-132 (full-paper reviewed by peers). A finalist for the International Award for Excellence.
9. Vidalis, S., Najafi, F., Chernick, D., Jackson, J., Parker, J., and Ryland, S., "Modern Analysis of Bike Sharing Feasibility," *International Journal of Interdisciplinary Social Sciences*, Kalantzis, M., and Cope, W., Ed., January 2010, Vol. 4, Issue 11, pp. 1-16 (full paper reviewed by peers).
10. Najafi, F., Boudreau III, H., Taylor, M., Huang, T.Y., and Tatel, S., "The Real-World Advantages and Disadvantages of Permeable Pavement as Roadways," *International Journal of Interdisciplinary Social Sciences*, Kalantzis, M., and Cope, W., Ed., 2009, Vol. 4, Issue 1, pp. 341-354 (full-paper reviewed by peers).
11. Lovencin, W., and Najafi, F.T., "Effect of Accelerating Admixture on Flowable Fill Strength," *ACI Journal*, American Concrete Institute (ACI), San Antonio, TX, March 2009, p. 15-27 (full-paper reviewed by peers).
12. Lovencin, W., and Najafi, F.T., "Effects of Accelerating Admixture on Flowable Fill Strength," *American Concrete Institute (ACI) Symposium, Transition from Fluid to Solid: Re-Examining the Behavior of Concrete at Early Ages, Special Publication (SP 259-09)*, CD-ROM, Feb. 1, 2009, vol. 259, 121-138.
13. Choi, C.-H., Park, D.J., Najafi, F.T., and Kim, J.-L., "Time Value of Goods Movement for Project Appraisal in South Korea," *Journal of the Transportation Research Board (TRB) 1996*, Transportation Research Board (TRB), National Academies, National Research Council (NRC), Washington, DC, 2007, 92-99.
14. Vidalis, S., Kopac, P., and Najafi, F.T., "Probabilistic Procedure for Analyzing Construction Pay Adjustment Systems," *Journal of the TRB 1946*, TRB, National Academies, NRC, Washington, DC, 2007, 55-62.
15. Choi, C.-H., Najafi, F.T., Choi, J., and Kim, J.-L., "Route Choice Characteristics of Truck Operators in Korea," *ITE Journal*, website feature article, www.ite.org, May 2007.
16. Martin, J., and Najafi, F.T., "Design-Build Approach for Utility Relocation and Accommodation in Highway Widening Projects," *Society of Afghan Engineers Journal*, Vol. 4, No. 1, Burke, VA, January 2007, 45-56.
17. Najafi, F.T., "Current Status of Elderly Drivers and Concurrent Statistics in the United States of America," *CSA Mechanical & Transportation Engineering Abstracts*, CSA Illumina, August 2006, abstract.
18. Lovencin, W., Najafi, F.T., and Chaudhry, Hammad, "Assessment of Flowable Fill Strength in Pavement Construction," *Journal of the TRB 1979*, TRB, National Academies, NRC, Washington, DC, 2006, 84-92.
19. Yusuf, M., and Najafi, F.T., "Teaching Methodology of Flexible Pavement Materials and Pavement Systems," *Journal of STEM Education*, 2004, Vol. 5, No. 1 and 2.
20. Pathomvanich, S., Najafi, F.T., and Kopac, P.A., "Procedure for Monitoring and Improving Effectiveness of Quality Assurance Specifications," *Journal of the TRB 1813*, Construction 2002, TRB, National Academies, NRC, Washington, DC, 2002, 164-171.
21. Vidalis, S., and Najafi, F.T., "Innovative Contracting Methods for Highway Construction Projects in Minimizing Cost and Time Overruns," *International Journal of Pavement Management*, Vol. 1, No. 3, September 2002, 58-68.
22. Najafi, F.T., Ahmad, I., Lancaster, P., Benham, J.L., and Alam, M.M., "Methods of Application and Bonding Strengths of Thermoplastic Pavement Markings on Concrete and Asphalt Roadway Surfaces," *International Journal of Pavement Management*, Vol. 1, No. 3, September 2002, 97-98.
23. Najafi, F.T., "Cost-Benefit Highway Pavement Maintenance (CBHPM)," *Journal of the TRB 1749*, TRB, NRC, Washington, DC, 2001, 22-27.
24. Najafi, F.T., and Soares, R., "User Costs at the Work Zone," *Canadian Journal of Civil Engineering*, National Research Press, NRC of Canada, Ottawa, Canada, Vol. 28, No. 4, August 2001, 747-751.
25. Thompson, P.D., Najafi, F.T., Soares, R., and Kerr, R., "User Cost Models for Bridge Management Systems," *Journal of the TRB 1697* (previously known as *Transportation Research Record*), TRB, NRC, Washington, DC, 2000, 6-13.

26. Najafi, F.T., "Radon Reduction Systems in the Construction of New Houses in Gainesville, Florida," *Health Physics, The Radiation Protection Journal*, the official journal of Health Physics Society, Williams & Wilkins, A Waverly Company, Baltimore, Maryland, Vol. 75, No. 5, November 1998, 514-517.
27. Najafi, F. T., and McKenzie, R., "Oil Spill Response Systems of South Florida and the Country of Qatar," *Transportation Research Record 1613*, TRB, NRC, Washington, DC, 1998, 105-110.
28. Naji, K.K., and Najafi, F. T., "Construction Simulation Using Virtual Reality," *Engineering Journal*, University of Qatar, College of Engineering, Doha, Qatar, Vol. 9, 1996, 95-103.
29. Najafi, F. T., "Radon Mitigation Systems in the Construction of Building Environments in Florida," *Cancer Detection and Prevention*, the official publication of the International Society for Preventive Oncology (ISPO), official relations with the World Health Organization, Massachusetts Biotechnology Council, University of Massachusetts Medical School, Blackwell Science, Inc., Cambridge, MA, Vol. 20, No. 5, October 1996, 414.
Note: This is a journal abstract.
30. Najafi, F. T., and Nassar, F.E., "Paying Equitably for Urban Congestion Through a National Road Pricing System," *Transportation Research Record 1558*, TRB, NRC, Washington, DC, 1996, 60-66.
31. Najafi, F. T., and Nassar, F.E., "Comparison of High-Speed Rail and Maglev Systems," *Journal of Transportation Engineering*, ASCE, New York, NY, Vol. 122, No. 4, July/August 1996, 276-281.
32. Najafi, F.T., Lalwani, L., and Li, W.G., "Radon Entry in New House Construction," *Health Physics, The Radiation Protection Journal*, the official journal of Health Physics Society, Williams & Wilkins, A Waverly Company, Baltimore, Maryland, Vol. 69, No. 1, July 1995, 67-74.
33. Najafi, F.T., and Li, W., "Construction Methods in Reducing Radon Risk in New Homes," *Journal of Environmental Systems*, Baywood Publishing Company, Inc., Amityville, NY, Vol. 23, No. 4, 1994-95, 365-383.
34. Najafi, F.T., Baran, M., Fu, X., Prasad, A., and Salimi-Tari, E., "An Assessment of the Impacts and Response Capabilities of a Major Oil Spill in South Florida," *Journal of the STAR Research*, Florida Institute of Government, Tallahassee, Florida, Vol. 3, July 1994, 33-64.
35. Najafi, F.T., and Nassar, F. E., "Tort Liability Related to Utility Pole Accidents in Florida," *Transportation Research Record 1401*, TRB, NRC, Washington, DC, October 1993, 111-116.
36. Najafi, F.T., "Current Worldwide Status of Construction Automation and Robotics," *Transportation Research Record 1389*, TRB, NRC, Washington, DC, September 1993, 25-30.
37. Najafi, F.T., Nazef, A., Kumar, A., and Salimi-Tari, E., "Accommodation of Longitudinal Utilities on Limited Access Right-of-Way," *The Logistics and Transportation Review*, Elsevier Science Limited, Oxford, England, Vol. 28, No. 4, December 1992, 373-393.
38. Najafi, F.T., Baran, M., Fu, X., Prasad, A.K., Salimi-Tari, E., and Ducher, J., "Oil Spill Response Capabilities in South Florida," *Transportation Research Record 1333*, TRB, NRC, Washington, DC, 1992, 13-20.
39. Najafi, F.T., and Scherer, C.R., "Current Registration Practice of Heavy Construction Equipment," *Transportation Research Record 1310*, TRB, NRC, Washington, DC, 1991, 44-53.
40. Nassar, F.E., and Najafi, F.T., "Quick Approach to Estimate the Law Enforcement Cost on Urban Roadway," *Transportation Research Record 1262*, TRB, NRC, Washington, DC, 1990, 39-47.
41. Najafi, F.T., Nazef, A., and Kaczorowski, P., "Economic Evaluation of Right-of-Way Alternatives for Fiber Optic Cable Placement," *The Logistics and Transportation Review*, Elsevier Science Limited, Oxford, England, Vol. 26, No. 2, 1990, 171-178.
42. Najafi, F.T., "Current Survey of Computer Status in the U.S. Construction Industry," *Transportation Research Record 1282*, TRB, NRC, Washington, DC, 1990, 104-110.
43. Najafi, F.T., Jacks, C., and Naik, S.M., "A Computerized Sketch Planning Process for Urban Signalized Intersection Improvements," *Transportation Research Record 1280*, TRB, NRC, Washington, DC, 1990, 92-103.
44. Najafi, F.T., "Cost-Effectiveness of Transit Versus Highways," *Journal of the Transportation Research Forum*, Vol. XXX, No. 2, 1990, 352-359.
45. Najafi, F.T., and Nassar, F., "Quick-Response Approach to Compare Highway and Transit Alternatives Using the Arterial Analysis Package," *Transportation Research Record 1209*, TRB, NRC, Washington, DC, 1989, 19-25.
46. Najafi, F.T., and Naik, S., "Potential Applications of Robotics in Transportation Engineering," *Transportation Research Record 1234*, TRB, NRC, Washington, DC, 1989, 64-73.

47. Najafi, F.T., “A Step-By-Step Procedure for Roadway Network Improvement Priority Setting,” *Transportation Research Record 1229*, TRB, NRC, Washington, DC, 1989, 108-117.
48. Najafi, F.T., “A Sketch Planning Process for Urban Isolated Signalized Intersection Improvements,” *Transportation Research Record 1160*, TRB, NRC, Washington, DC, 1988, 78-89.
49. Najafi, F.T., “Cross Impact Analysis of an Existing Highway System,” *Institute of Transportation Engineers Journal (ITE)*, Washington, DC, January 1982, 29-32.
50. Najafi, F.T., “Cross Impact Analysis of a Proposed Railway System,” *Transportation Research Record 820*, TRB, NRC, Washington, DC, 1981, 18-23.
51. Najafi, F.T., “Proposed Karachi-Rasht Railway: The Development of Afghanistan, Iran, and Pakistan,” *Journal of South Asian and Middle Eastern Studies*, Villanova University, Villanova, Pennsylvania, Vol. 1, No. 3, Spring 1978, 46-61.
52. Najafi, F.T., and Dickey, J.W., “Regional Land-Use Schemes Generated by TOPAZ,” *Regional Studies*, London, England, Vol. 7, No. 4, 1973, 373-386.

Refereed Proceedings

1. Najafi, F.T. and Cuilla Jack, Cost-Reduction of Solar Power Plants by Utilizing Plant Byproducts, 2025 ASEE South East Conference, Mississippi State University, March 9-11, pp, DOI 15.10.18260/1-2—54152, **Permanent URL** <https://peer.asee.org/54152>.
2. Najafi, F.T., Ibrahim Ashish S, All, Harsha Vardhan Sai, Singh, Abha, Vidalis Sofia M., Rajarajan, A Comparative Analysis of Primavera P6 and Industry Alternatives for Construction Management and Scheduling, 2025 ASEE South East Conference, Mississippi State University, Mississippi, March 9, 2025, pp 14, DOI 10.18260/1-2--54134 **Permanent URL** <https://peer.asee.org/54134>
3. Najafi, F. T., Vani Ruchika, Vidalis Sofia M., Rajarajan, AI-Assisted Grading – A Study on Efficiency and Fairness, 2025 ASEE South East Conference, Mississippi State University, Mississippi, March 9, 2025, pp 13. DOI 10.18260/1-2—54139, **Permanent URL** <https://peer.asee.org/54139>
4. Najafi, F. T., and Cuilla Jack, The Current Status of Feed-in-Tariffs and the Case Study of the Results of Solar Feed-in-Tariff in the City of Gainesville, Florida, 2025 ASEE South East Conference, Mississippi State University, March 9-11, 2025, ID 49463
5. Najafi, F.T., McFarlane, Sweeney, Omar H, Engagement in Practice: Community Developed Water Supply, a Case Study of a Sustainable Model in Hampstead, St. Mary, Jamaica, 2025 ASEE Annual Conference and Exposition, Montreal, Quebec, Canada, June 22, 2025, pp 7, DOI 10.18260/1-2—56116, **Permanent URL** <https://peer.asee.org/56116>
6. Najafi, F. T., “Highway Maintenance Strategy,” Abstract accepted, International Road Federation (IRF), IRF Global R2T Conference 2024: Paving the Future of Roadways (December 10-13, 2024), Orlando, Florida
7. Najafi, F. T., “Bridge Management System – A case Study,” Abstract accepted, International Road Federation (IRF), IRF Global R2T Conference 2024: Paving the Future of Roadways (December 10-13, 2024), Orlando, Florida
8. Najafi, F. T., “Utilization of Flowable Fill in Highway Construction,” Abstract accepted, International Road Federation (IRF), IRF Europe & Central Asia Regional Congress & XVIIth Bulgarian National Transport Infrastructure Conference, Plovdiv, Bulgaria, September 24-27, 2024
9. Najafi, F.T., McFarlane, Sweeney, Omar H, “Global Warming Impacts on the Environment Worldwide,” Abstract accepted, the 5th IRF Asia-Pacific Regional Congress & 12th Malaysian Road Conference (MRC) & Exhibition 2024, November 5-7, 2024, Kuala Lumpur, Malaysia
10. Najafi, F.T., McFarlane, Sweeney, Omar H, Sustainable Cities using Renewable Energy: A Case Study of a Renewable City, 2025 ASEE South East Conference, Mississippi State University,

11. *Vidalis Sofia M., Rajarajan, and Najafi, F. T. "Revolutionizing Engineering Education: The Impact of A.I. Tools on Student Learning," Proceedings, 2024 ASEE Annual Conference, The Future of Engineering Education, 2024 ASEE Annual Conference, June 23-26, 2024, Oregon Convention Center, Portland, OR, 2024, 10p*
12. Alrashidi, Abdul Majeed, and Najafi, F.T., "Renewable Energy Systems Meeting the Future Needs," ASEE Zone 2, 2018 Spring Conference. Sponsored by Emory – Riddle Aeronautical University, at The Shores Resort and Spa, Daytona, Florida, March 4-6, poster ID: 140, Abstract published, and presented.
13. Ng, Teresa, and Najafi, F.T., "Airborne Wind Energy System," ASEE Zone 2, 2018 Spring Conference. Sponsored by Emory – Riddle Aeronautical University, at The Shores Resort and Spa, Daytona, Florida, March 4-6, 2018, Poster ID: 23, Abstract published, and we presented the poster of the paper.
14. Noury, Isabela S., Najafi, F.T., "Use of Sugar Cane Ash in the Production of Concrete: A Critical Review," ASEE Zone 2, 2018 Spring Conference. Sponsored by Emory – Riddle Aeronautical University, March 4-6, 2018, Poster ID: 141, Abstract published, and we presented the poster of the paper.
15. Following the abstracts, the IDs of our students and I were also accepted but not presented: IDs 138, 139, 142, 143, 144, 145. Please refer to ASEE Zone 2, 2018 Spring Conference
16. Jayasekaran, Sarah Rajkumari, and Najafi, F.T. A smart and sustainable city framework to predict and mitigate current and future challenges. *Abstract accepted*, ASEE Annual Conference, June 2018.
17. Williams, Aaron, Gaulee, Kiran, Travis, Brody, Alvarez, Andrew, and Najafi, F.T., "Rainwater Harvesting." ASEE Zone 2, Spring Conference, March 2019, ID: 95, abstract accepted
18. Paola Mendoza-Perilla, Thomas Stevens, Isabela Robby, Fazil Najafi, "Large-Scale Energy Storage Methods", ASEE Zone 2, Spring Conference, March 2019.
19. Najafi, Fazil, "Smart and Sustainable City" ASCE Florida Section Annual Conference, July 12-13, 2018, Vinoy in St. Petersburg, Florida.
20. Najafi, Fazil, "What are the factors that cause global warming? What are the remedies for preventing global warming?" ASCE Florida Section Annual Conference, July 18-19, 2019, Orlando World Center, Marriott, Orlando, Florida.
21. Subramanian, Rajarajan, and Najafi, F.T., "Flipping the Construction Management Class: Beneficial?" 2019 ASEE Annual Conference, Tampa, Florida, paper accepted for both publication and presentation.
22. *Roberts, Stephen E.*, Najafi, F.T., and Taylor, Curtis, "A Retrospective on Undergraduate Engineering Success for First-Year Students," 2019 ASEE Annual Conference, Tampa, Florida, paper accepted for both publication and presentation.
23. Xu, C., Najafi, F., **Jayasekaran, S.** "Model design of concentrator photovoltaic with thermal and waste heat recovery system." *Proc., 2019 Civil Engineering Conference in the Asian Region, April 16, 2019*, The Asian Civil Engineering Coordinating Council. (*Accepted*)
24. Babatunde, Samuel A., and Najafi, F.T., "Overcoming the challenges of offshore wind energy in the U.S.," ASEE Zone 2 2018 Spring Conference. Sponsored by Emory – Riddle Aeronautical University, at The Shores Resort and Spa, Daytona, Florida, March 4-6, 2018, Paper ID: 115, 2018, 9 p

25. Alrashidy, Abdulmajjid S., and Najafi, F.T., “A Comparison of Civil Engineering Education at the University of Hail, Saudi Arabia and the University of Florida,” ASEE Zone 2 2017 Spring Conference. Caribe Hilton, San Juan, Puerto Rico. March 2-5, 2017, Paper #17657, 2017, 18 p
26. Babatunde, Samuel A., and Najafi, F.T., “Overcoming The Challenges of Implementing Offshore Wind Farm Development In The U.S. through Education and Research,” ASEE Zone 2 2017 Spring Conference. Caribe Hilton, San Juan, Puerto Rico. March 2-5, 2017, Paper #17657 2017, 16p
27. Xu, Chi, and Najafi, F. T., “A graduate research of the hybridization of high concentrated solar panel and anaerobic production and desalination,” The 124th American Society for Engineering Education (ASEE) Annual Conference (June 25-28), Columbus, Ohio, Paper #17655, 2017, 21 p
28. Jayasekaran, Sarah, and Najafi, F. T., “A graduate study on cost-effective analyses and environmental impact analyses of using waste cementitious materials in building construction,” The 124th American Society for Engineering Education (ASEE) Annual Conference (June 25-28), Columbus, Ohio, Paper #17657, 2017, 19 p
29. Valdes, Elizabeth, Cuadra, Carlene, Najafi, F. T., and Safai, Nick, “The Effects of Global Warming,” The 124th American Society for Engineering Education (ASEE) Annual Conference (June 25-28), Columbus, Ohio, Paper #19609, 2017, 21 p
30. Subramanian, R. Rajarajan, and Najafi, F. T., “100 Percent Renewable Energy for Pennsylvania via Solar, Wind, and Water,” The 124th American Society for Engineering Education (ASEE) Annual Conference (June 25-28), Columbus, Ohio, Paper #20066, 2017, 14 p
31. Fisher, George, and Najafi, F. T., “Technical Review of Companies able to Support the Education and Naval Installations’ Renewable Energy Goals through the use of Tidal and Hydro Kinetic Energy Devices,” The 124th American Society for Engineering Education (ASEE) Annual Conference (June 25-28), Columbus, Ohio, Paper #20606, 2017, 15 p
32. Simms, Meg, and Najafi, F.T., “Case study of cost/benefit evaluation of using photovoltaic panels on residential and commercial buildings in Gainesville, Florida,” ASCE Florida section, 2017 Annual conference, Marriott Orlando World Center, July 20-22, 2017, 6 p.
33. Fisher, George, Angelo, Matthew S. D, Lynch, Deirdre A., Stackhouse, Meghan R., and Najafi, F.T., “A Case Study of Prairie View Solar Park in Gainesville, Florida,” ASCE Florida section, 2017 Annual conference, Marriott Orlando World Center, July 20-22, 2017, 9 p.
34. Belvin, Tia, Farji, Jonathan, Robuck, Jonathan, Sibner, Max, Wilde, Cody, Najafi, Fazil T., “Harvesting Renewable Energy Using Kinetic Plates,” ASCE Florida section, 2017 Annual conference, Marriott Orlando World Center, July 20-22, 2017, 14 p.
35. Finizio, Christina, Cuevas, Christopher, Mizutani, Mayuko, and Najafi, Fazil T., “Comparative Analysis of Success Factors for Global Implementation of Anaerobic Digestion of Waste” ASCE Florida section, 2017 Annual conference, Marriott Orlando World Center, July 20-22, 2017, 8 p.
36. Ramierez, Andres, Hindle, Camron, Gupta, Nautasha, Amadasu, Omobogie, Reginald, and Najafi, Fazil T., “Introduction to Wind energy,” ASCE Florida section, 2017 Annual Conference, Marriott Orlando World Center, July 20-22, 2017, 24 p.
37. Campbell, James, Morgado, Robert, Miller, Shawn, Pollock, Henry, and Najafi, Fazil T., “Plasma Arc Gasification: A Solution for Municipal Solid Waste Management?” ASCE Florida section, 2017 Annual Conference, Marriott Orlando World Center, July 20-22, 2017, 15 p.
38. Babatunde, Samuel A., and Najafi, F.T., “Sustainable and Green Transport Infrastructures,” ASCE Florida section, 2017 Annual Conference, Marriott Orlando World Center, July 20-22, 2017, 6 p.

39. Valdes, Elizabeth, Cuadra, Carlene, and Najafi, F. T., “ The Effects of Global Warming and Possible Engineering Solutions Involving Renewable Energy,” ASCE Florida section, 2017 Annual Conference, Marriott Orlando World Center, July 20-22, 2017, 12 p.m.
40. Alsaffar, M., Schwerer, S. C., Brown, N., Ouedraogo, J., Najafi, F. T., “Environmental Impact Cost Analysis of Multi-Stage Flash, Multi-Effect Distillation, Mechanical Vapor Compression, and Reverse Osmosis Medium-Size Desalination Facilities” Proceedings, 2016 American Society for Engineering Education (ASEE) Annual Conference (June 25-30), New Orleans, LA, Session M728, Paper #14849, 2016, 10 p.
41. Thrun, R., Romero, S., Kola, R., Rivera, E., Najafi, F. T., “The Use of Geothermal Energy at Large Scales and Its Benefits over Other Sources of Renewable Energy” Proceedings, 2016 American Society for Engineering Education (ASEE) Annual Conference (June 25-30), New Orleans, LA, Session M728, Paper #14893, 2016, 13p.
42. Walker, J., Najafi, F. T., “Economic Feasibility and Environmental Sustainability Analysis for Co-Location of Desalination Facilities in Power Plants using Renewable Energy,” Proceedings, 2016 ASEE-SE Annual Conference, (March 12-March 15, 2016), University of Alabama, Tuscaloosa, AL., Session T2-B, Paper 1056 SERC, 2016, 15 p.
43. Xu, C., Najafi, F. T., “Cost-effectiveness of the Combination of Solar Panel and Cooling System for Achieving Higher Efficiency,” Proceedings, 2016 ASEE-SE Annual Conference, (March 12-March 15, 2016), University of Alabama, Tuscaloosa, AL., Session T4-C, Paper 1056 SERC, 2016, 8 p
44. Daddona, P., Kluge, M., Meyers, C., Mills, C., Stout, B., Najafi, F.T., “Impact of Carbon Dioxide Emission Reduction on Gainesville, Florida, after the Incorporation of Renewable Energy” ASCE Florida section 2016 Annual conference, Hyatt Regency Jacksonville, Florida, Civil Engineering journal, 15 p.
45. Millstein, M., Mazza, A., Migliazza, J., Sehr, R., Talley, S., Najafi, F.T., “Net Greenhouse Gas Emissions from Hydropower Facilities” ASCE Florida section 2016 Annual conference, Hyatt Regency Jacksonville, Florida, Civil Engineering journal, 15 p.
46. Ly, R. Q., Marugan-Wyatt, A., Nowell, K., Robby, K., Sheppard, T., Najafi, F.T., “An Analysis of New Materials for the Modification of Existing Solar Photovoltaic Cells for Increased Efficiency and Economic Benefit,” ASCE Florida section 2016 Annual conference, Hyatt Regency Jacksonville, Florida, Civil Engineering journal, 16 p.
47. Najafi, F.T., Harris, W.G., Muszynski, L., Alwood, D., McBride, D., Javed, A., “In Situ Pipe Repair”, Florida Civil Engineering Journal, 2015 ASCE, Florida Section, Annual Conference, July 16-18, 2015, Orlando, Florida, 1st Edition, pp 101-107.
48. Cardozo, C, Camargo, J., Findlater, K., Herrera, J., Najafi, F.T., “The Costs and Benefits of Solar Road Technology”, Florida Civil Engineering Journal, 2015 ASCE, Florida Section, Annual Conference, July 16-18, 2015, Orlando, pp 180-185.
49. Fitzgerald. M.K., Vincent, G., Wilson, E., Xu, P., Yonezawa, N, Najafi, F.T., “An Analysis between the state of solar energy development in Europe and the United States”, Florida Civil Engineering Journal, 2015 ASCE, Florida Section, Annual Conference, July 16-18, 2015, Orlando, Florida, pp 193-201.
50. Arias, S., Brandes. D., Brown, C, Mayer, C., & Najafi, F.T., “Renewable Cities: Technology, Goals, and Implementation”, Florida Civil Engineering Journal, 2015 ASCE, Florida Section, Annual Conference, July 16-18, 2015, Orlando, Florida, pp 202-207.

51. Salimi E.T., Shoraka. H., Conol. C.M., Najafi, F.T., “Global Warming Costs and a Justification for Renewable Energy”, Florida Civil Engineering Journal, 2015 ASCE, Florida Section, Annual Conference, July 16-18, 2015, Orlando, Florida, pp 208-214.
52. Shuang, Song, Najafi, F. T., “A Comparison in Civil Engineering Education, Beijing University of Architecture and University of Florida,” *Proceedings*, 2014 ASEE-SE Annual Conference, (March 30- April 1, 2014), Mercer University School of Engineering, Macon, GA., Session T4-D, Paper #134, 2014, 10 p.
53. Lipman Mathew, Najafi, F. T., “Review of Permeable Systems and Designs,” *Proceedings*, 2014 ASEE-SE Annual Conference (March 30- April 1, 2014), Macon, GA., Session T5-D, Paper #135, 2014, 7p.
54. Kevin Robby, Najafi, F. T., Yves J. Anglade, “In Depth Study of Work Zone Safety,” *Proceedings*, 17th International Road Federation (IRF) World Meeting & Exhibition (November 10-14), Riyadh, Saudi Arabia, 2013, Paper # 440, <http://irf2013.conferencespot.org>. Online Password: x4JnjwGHEXU
55. Yang, C., Najafi, F. T., “Current Status of Traffic Congestions and Improvement Method in Urban Environment of China,” *Proceedings*, 17th IRF World Meeting & Exhibition (November 10-14), Riyadh, Saudi Arabia, 2013, Paper # 224, <http://irf2013.conferencespot.org>, Online Password: x4JnjwGHEXU
56. Yan, B., Najafi, F. T., “Glass Fiber Reinforced Polymer Reinforced Concrete Beam: Flexural Behavior and Design,” *Proceedings*, 17th IRF World Meeting & Exhibition (November 10-14), Riyadh, Saudi Arabia, 2013, Paper # 226, <http://irf2013.conferencespot.org>, Online Password: x4JnjwGHEXU
57. Ali, M., Najafi, F. T., “A Cost-Effective Methodology for Pedestrian Road Crossing for Developing Countries,” *Proceedings*, 2013 American Society for Engineering Education (ASEE) Annual Conference (June 23-26), Atlanta, GA, Session T646, Paper #7673, 2013, 11 p.
58. Lei, Z., Najafi, F. T., “Introducing Freshmen Engineering Students to Civil Engineering at the University of Florida,” *Proceedings*, 2013 ASEE Annual Conference (June 23-26), Atlanta, GA, Session T746, Paper #5926, 2013, 10 p.
59. Lei, Z., Najafi, F. T., “Factors Influencing Intersection Crash Severity,” *Proceedings*, 54th Annual Transportation Research Forum (March 21-23), Annapolis, MD, 2013, pp. 141-155. Published online PP147-155. URL: http://www.trforum.org/forum/downloads/2013_proceedings.pdf.
60. Julie Karlskint, Adnan Javed, Najafi, F.T., “Development of a Stormwater Infrastructure Rehabilitation Program manual” (SIRP) in Sarasota County, ASCE Florida section 2013 Annual conference, Hyatt Regency Sarasota, 4 p.
61. Najafi, F. T., “In-Depth Study of Work Zone Safety,” *Proceedings*, 17th International Road Federation (IRF) World Meeting & Exhibition (November 10-14), Riyadh, Saudi Arabia, 2013.
62. Yang, C., and Najafi, F. T., “Current Status of Traffic Congestions and Improvement Method in Urban Environment of China,” *Proceedings*, 17th IRF World Meeting & Exhibition (November 10-14), Riyadh, Saudi Arabia, 2013.
63. Yan, B., and Najafi, F. T., “Glass Fiber Reinforced Polymer Reinforced Concrete Beam: Flexural Behavior and Design,” *Proceedings*, 17th IRF World Meeting & Exhibition (November 10-14), Riyadh, Saudi Arabia, 2013.

64. Ali, M., and Najafi, F. T., “A Cost-Effective Methodology for Pedestrian Road Crossing for Developing Countries,” *Proceedings*, 2013 American Society for Engineering Education (ASEE) Annual Conference (June 23-26), Atlanta, GA, Session T646, Paper #7673, 2013, 11 p.
65. Lei, Z., and Najafi, F. T., “Introducing Freshmen Engineering Students to Civil Engineering at the University of Florida,” *Proceedings*, 2013 ASEE Annual Conference (June 23-26), Atlanta, GA, Session T746, Paper #5926, 2013, 10 p.
66. Lei, Z., and Najafi, F. T., “Factors Influencing Intersection Crash Severity,” *Proceedings*, 54th Annual Transportation Research Forum (March 21-23), Annapolis, MD, 2013, pp. 141-155.
67. Najafi, F. T., and Ali, M., “State-of-the-Art Methodology for Problem-Definition and Problem-Solving in Social Services,” *Proceedings*, 2012 Fourth International Conference on Science in Society (November 17-19, 2012), University of California, Berkeley, 2012. Abstract accepted.
68. Martin, J., Ali, M., and Najafi, F. T., “Utility Relocations Using Design Build Methodology along Highway Right-of-Way,” *Proceedings*, 2012 International Conference on Construction in Developing Countries (ICCIDC), “Advancing Civil, Architectural and Construction Engineering & Management,” (July 4-6, 2012), Bangkok, Thailand, Paper 30, ID 117, 2012, pp. 202–210.
69. Rajrajan, R., Vigna, T., and Najafi, F. T., “Civil Engineering Education at the Anna University, India, and at the University of Florida,” *Proceedings*, 2012 ASEE Annual Conference (June 10-13, 2012), San Antonio, TX, 2012, 12 p.
70. Zhang, L., and Najafi, F. T., “Civil Engineering Education at the Tongji University, China, and at the University of Florida,” *Proceedings*, 2012 ASEE Annual Conference (June 10-13, 2012), San Antonio, TX, 2012, 26 p.
71. Nguyen, L., and Najafi, F. T., “Cross Impact Analysis of Development of Orlando–Miami, Florida High Speed Rail after 20 Years Completion,” *Proceedings*, 2012 American Society of Mechanical Engineers (ASME) Verification and Validation Symposium (VVS) (May 2-4, 2012), Las Vegas, NV, 2012, 14 p.
72. Jayasekaran, S., and Najafi, F. T., “Bridge Maintenance and Structural Strategies to Save Nation’s Aging Infrastructure,” American Society for Engineering Education–Southeast (ASEE–SE) Annual Conference (April 1-3, 2012), Mississippi State University, Starkville, Mississippi, Session T1-D, Paper No. 620.
73. Nayar, V., and Najafi, F. T., “Travel Behavior of Students Reaching Their Origin and Destination at the University of Florida,” ASEE–SE Annual Conference (April 1-3, 2012), Mississippi State University, Starkville, Mississippi, Session T5-B, Paper No. 566.
74. Jaywant, T. S., and Najafi, F. T., “Civil Engineering in Mumbai University and University of Florida,” ASEE–SE Annual Conference (April 1-3, 2012), Mississippi State University, Starkville, Mississippi, Session T1-D, Paper No. 545.

75. Ramnath, H., and Najafi, F. T., "A Viable Alternative: Fiber Reinforced Polymer," ASEE–SE Annual Conference (April 1-3, 2012), Mississippi State University, Starkville, Mississippi, Session T1-D, Paper No. 543.
76. Yadwad, A., and Najafi, F. T., "Civil Engineering Education at the University of Pune, India, and at the University of Florida" ASEE–SE Annual Conference (April 1-3, 2012), Mississippi State University, Starkville, Mississippi.
77. Jayasekaran, S., and Najafi, F. T., "Bridge Maintenance and Structural Strategies to Prevent Existing Bridges from Failure," *Proceedings*, 1st World Engineering Education (WEE) 2011, Société Européenne pour la Formation des Ingénieurs (SEFI) Annual Conference (September 28-30), Lisbon, Portugal, No. 290, 2011, 19 p.
78. Johnson, J., Elli, S. S., and Najafi, F. T., "The Quantitative Analysis of Investing Government Funding into Transit Systems within Small Urban Areas," *Proceedings*, WEE 2011, SEFI Annual Conference (September 28-30), Lisbon, Portugal, No. 292, 2011, 15 p.
79. Najafi, F. T., and Jayasekaran, S., "Introduction to Civil Engineering at University of Florida using Truss Bridge Construction for Freshmen," *Proceedings*, WEE 2011, SEFI Annual Conference (September 28-30), Lisbon, Portugal, No. 289, 2011, 16 p.
80. Nguyen, L., and Najafi, F. T., "Cross-Impact Analysis of Development of Orlando–Miami, Florida, High-Speed Rail 20 Years after Completion," *Proceedings*, WEE 2011, SEFI Annual Conference (September 28-30), Lisbon, Portugal, No. 291, 2011, 12 p. Accepted for publication as short paper.
81. Rajkumari, S., and Najafi, F. T., "Introduction to Civil Engineering at University of Florida Using Truss Bridge Construction for Freshmen," *Proceedings*, 2011 American Society for Engineering Education (ASEE) Annual Conference and Exposition (June 26-29), Vancouver, BC, Canada, International Division, Paper AC 2011-429, 2011, 11 p.
82. Asha, J., and Najafi, F. T., "Influential Factors of Helmet Use," *Proceedings*, 2011 ASEE Southeast (ASEE-SE) Conference (April 10-12), Charleston, SC, 2011, No. 171, 36 p.

83. Donalson, J., Curtis, R., and Najafi, F. T., "Sustainable Assessment of Recycled Concrete Aggregate Used in Highway Construction," *Proceedings*, 2011 Transportation Research Board (TRB) 90th Annual Meeting, (January 23-27), National Academy of Sciences (NAS), Washington, D.C., Paper #11-0492-B13, 2011, 16 p.
84. Kopac, P.A., and Najafi, F. T., "Determining Optimum Acceptance Sample Size: A Second Look," *Proceedings*, 2011 TRB 90th Annual Meeting, (January 23-27), NAS, Washington, D.C., Paper #11-0064, 2011, 18 p.
85. Myers, L.O., and Najafi, F. T., "Performance Bond Benefit-Cost Analysis," *Proceedings*, 2011 TRB 90th Annual Meeting, (January 23-27), NAS, Washington, D.C., Paper #11-0207, 2011, 15 p.
86. Najafi, F. T., Cooney, B., and Javed, A., "State-of-the-Art Literature Review on In Situ Pipe Repairs and Durability," *Proceedings*, 2011 TRB 90th Annual Meeting, (January 23-27), NAS, Washington, D.C., Paper #11-1269, 2011, 15 p.
87. Najafi, F. T., Javed, A., and Shoraka, H. R., "Comparison of Oil Spill Contingency Plan for Florida with Other International Communities," *Proceedings*, 2011 TRB 90th Annual Meeting, (January 23-27), NAS, Washington, D.C., Paper #11-2889, 2011, 18 p.
88. Al Yami, M., Najafi, F., and Jayasekaran, S., "Bridges Maintenance Practices in the United States: Technical, Managerial and Inspection Approaches," *Proceedings*, 2010 American Society for Engineering Education (ASEE) Annual Conference and Exposition (June 20-23), Louisville, KY, International Division Poster Session, Paper AC 2010-738, 2010, 15 pp.
89. Chang, Y.-K., Najafi, F., Xie, X., and Jayasekaran, S., "An Overview of Civil Engineering to Freshman Engineering Students at the University of Florida," *Proceedings*, ASEE Annual Conference and Exposition (June 20-23), Louisville, KY, International Division Poster Session, Paper AC 2010-141, 2010, 11 pp.
90. Jayasekaran, S., Kaur, K., and Najafi, F., "Academic Benefits of Engineers Without Borders Throughout the Globe," *Proceedings*, 2010 ASEE Annual Conference and Exposition (June 20-23), Louisville, KY, International Division, Paper AC 2010-733, 2010, 13 pp.
91. Wang, L., Xie, X., Najafi, F., and Safai, N., "Civil Engineering Curriculum at the Harbin Institute of Technology, China, and at the University of Florida," *Proceedings*, 2010 ASEE Annual Conference and Exposition (June 20-23), Louisville, KY, International Division, Paper AC 2010-140, 2010, 13 pp.
92. Gutierrez, L., Najafi, F.T. and Boudreau, H., "Pavement Maintenance Method Effect on Reducing Cost and Prolonging Service Life of Roadway Pavement: Discussion and Case Studies," *Proceedings*, 89th Annual Meeting of the Transportation Research Board (TRB), (January 10-14), National Academy of Sciences (NAS), Washington, D.C., Paper #10-0962, CDROM, 2010.

93. Wang, L., Xie, X., and Najafi, F.T., "Performance of Graded Crushed Stone," *Proceedings*, 89th Annual Meeting of the TRB (January 10-14), National Academy of Sciences (NAS), Washington, D.C., Paper #10-2451, CDROM, 2010.
94. Najafi, F.T., Gajjar, R., Kaur, K., Jayasekaran, S., and Safai, N., "Civil Engineering Education at the Maharaja Sayaji Rao University of Baroda, India, and at the University of Florida," *Proceedings*, 2009 American Society for Engineering Education (ASEE) Global 8 Colloquium (October 12-15), Hungarian Academy of Sciences in Budapest Tech, Budapest, Hungary, Poster Session I, No. 60, CD ROM, Paper GC 2009-289, 2009, 14 pp. (*Invited*)
95. Najafi, F.T., Upadhyay, A., and Safai, N., "Civil Engineering Education at the Rajiv Gandhi Technical University, India, and at the University of Florida," *Proceedings*, 2009 ASEE Global 8 Colloquium (October 12-15), Hungarian Academy of Sciences in Budapest Tech, Budapest, Hungary, Poster Session I, No. 59, CD ROM, Paper GC 2009-288, 2009, 10 pp. (*Invited*)
96. Nyarsuk, R., Najafi, F.T., and Safai, N., "Civil Engineering Education at Juba University, South Sudan, and University of Florida," *Proceedings*, 2009 ASEE Global 8 Colloquium (October 12-15), Hungarian Academy of Sciences in Budapest Tech, Budapest, Hungary, Poster Session I, No. 61, CD ROM, Paper GC 2009-290, 2009, 8 pp. (*Invited*)
97. Najafi, F.T., Gajjar, R., Kaur, K., Jayasekaran, S., and Safai, N., "Civil Engineering Education at the Maharaja Sayaji Rao University of Baroda, India, and at the University of Florida," *Proceedings*, 2009 American Society for Engineering Education (ASEE) 116th Annual Conference and Exposition (June 14-17), Austin, TX, International Division, Paper AC 2009-636, 2009, 14 pp.
98. Najafi, F.T., Jenner, K., and Jayasekaran, S., "Civil Engineering Introduction to Freshman Engineers," *Proceedings*, 2009 ASEE 116th Annual Conference and Exposition (June 14-17), Austin, TX, International Division, Paper AC 2009-458, 2009, 9 pp.
99. Najafi, F.T., Kaur, K., and Jayasekaran, S., "Oil Spill Contingency Plans for Malaysia, Florida, and Qatar," *Proceedings*, 2009 ASEE 116th Annual Conference and Exposition (June 14-17), Austin, TX, International Poster Session, Paper AC 2009-409, 2009, 18 pp.
100. Najafi, F.T., Upadhyay, A., and Safai, N., "Civil Engineering Education at the Rajiv Gandhi Technical University, India, and at the University of Florida," *Proceedings*, 2009 ASEE 116th Annual Conference and Exposition (June 14-17), Austin, TX, International Division, Paper AC 2009-245, 2009, 10 pp.
101. Nyarsuk, R., Najafi, F.T., and Safai, N., "Civil Engineering Education at Juba University, South Sudan, and the University of Florida," *Proceedings*, 2009 ASEE 116th Annual Conference and Exposition (June 14-17), Austin, TX, International Division, Paper AC 2009-238, 2009, 8 pp.
102. Martin, J., and Najafi, F.T., "Model for Determining Optimum Operation Cost of Biosolids at Small Domestic Wastewater Facilities," *Proceedings*, 2009 Canadian Society for Civil Engineering (CSCE) 37th Annual Conference (May 27-30), St. Johns, Newfoundland, Canada, Paper GC-101, 2009, 10 pp.

103. Chucran, M., and Najafi, F.T., "Strategies to Mitigate Existing Structurally Deficient and Functionally Obsolete Bridges," *Proceedings*, 88th Annual Meeting of the Transportation Research Board (TRB), (January 11-15), National Academy of Sciences (NAS), Washington, D.C., Paper #09-1270, CDROM, 2009, 14 pp.
104. Najafi, F.T., Carlsen, J., and Ritter, M., "Municipal Solid Waste Management Practices Globally Adaptable for Sustainable Development in Growing Developing Communities," *Proceedings*, 2008 ASEE Annual Conference and Exposition (June 22-25), Pittsburgh, PA, International Division Poster Session, Paper AC 2008-779, 2008, 16 pp.
105. Najafi, F.T., Jet, D., and Safai, N., "A Global Model for Higher Educational Institutions to Increase the Enrollment of Minority and International Students," *Proceedings*, 2008 ASEE Annual Conference and Exposition (June 22-25), Pittsburgh, PA, International Division, Session: Global Engineering in an Interconnected World, Paper AC 2008-623, 2008, 12 pp.
106. Lovencin, W., and Najafi, F.T., "Effect of Accelerating Admixture on Flowable Fill Strength," *Proceedings*, 87th Annual Meeting of the TRB, (January 13-17), National Academy of Sciences (NAS), Washington, D.C., Innovative Concrete Materials Solutions, Poster Session 239, Paper #08-2005, CDROM, 2008, 27 pp.
107. Lovencin, W., Najafi, F.T., and Safai, N.M., "A Review of Strategies Employed on Minority Recruitment and Retention in Engineering Education," *Proceedings*, 2007 ASEE Annual Conference and Exposition (June 24-27), Honolulu, HI, Civil Engineering Division, Session 3260: International Engineering Education 1, Poster Session, Paper 2135, 2007, 6 pp.
108. Najafi, F.T., Dreznes, M., and Ekberg, J., "The Role of the International Road Federation in the Enhancement of the Economic Expansion of Developing Countries," *Proceedings*, 2007 ASEE Annual Conference and Exposition (June 24-27), Honolulu, HI, Session 2260: Technical Capacity Building for Developing Countries, Paper 863, 2007, 20 pp.
109. Toros, U., Younis, G., and Najafi, F.T., "Civil Engineering Education at the University of Florida and the Middle East Technical University, Republic of Turkey," *Proceedings*, 2007 ASEE Annual Conference and Exposition (June 24-27), Honolulu, HI, Session 2460: Engineering Education in the Arab World/Mid-East Region, Paper 522, 2007, 13 pp.
110. Vidalis, S., Petsas, I., and Najafi, F.T., "International Aspects of Communication Technologies as a Tool for Learning," *Proceedings*, 2007 ASEE Annual Conference and Exposition (June 24-27), Honolulu, HI, Civil Engineering Division, Session 3560: Educating Graduates in Engineering for a Flat World, Paper 2012, 2007, 11 pp.
111. Breckinridge, W.L., Rouleau, M., Ekberg, J., Mamaghanizadeh, E., and Najafi, F.T., "A Summary Review on the Importance of Transportation Planning, Preparation and Execution During a Mass Evacuation," *Proceedings*, 2007 Compendium of Papers CD-ROM, 86th Annual Meeting of the TRB, (January 21-25), NAS, Washington, D.C., Paper #07-0974, CDROM, 2007, 17 pp.

112. Kim, J.-L., Choi, C.-H., Park, D., and Najafi, F.T., "Value of Travel Time of Goods Movement for Transportation Project Appraisal in Korea," *Proceedings*, 2007 Compendium of Papers CD-ROM, 86th Annual Meeting of the TRB, (January 21-25), NAS, Washington, D.C., Paper #07-1821, CDROM, 2007, 17 pp.
113. Javed, A.E., and Najafi, F.T., "Dual or Combined Degree Programs at University Level," *Proceedings*, 2006 ASEE Annual Conference and Exposition (June 18-21), Chicago, IL, Civil Engineering Division, Session 2199, 2006, 6 pp.
114. Najafi, F.T., "A Global Model to Assist Higher Educational Institutions to Increase Minority Enrollment," *Proceedings*, 2006 ASEE Annual Conference & Exposition (June 18-21), Chicago, IL, International Division, Session 2660, 2006, 10 pp.
115. Tapia, P., and Najafi, F.T., "A Comparison of TA's Activities Between University of Florida and Universidad Catolica Del Norte Chile," *Proceedings*, 2006 ASEE Annual Conference & Exposition (June 18-21), Chicago, IL, International Division, Session 2661, 2006, 5 pp.
116. Lovencin, W., Najafi, F.T., and Chaudhry, H., "Assessment of Flowable Fill Strength in Pavement Construction," *Proceedings*, 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB, (January 22-26), NAS, Washington, D.C., Paper #06-1884, CDROM, 2006, 19 pp.
117. Martin, J., and Najafi, F.T., "Design-Build Approach for Utility Relocations in Highway Right-of-Way," *Proceedings*, 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-0816, CDROM, 2006, 14 pp.
118. Martin, J., and Najafi, F.T., "Strategies for Utility Relocation in Highway Right-of-Way," *Proceedings*, 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-0819, CDROM, 2006, 15 pp.
119. Millman, L., and Najafi, F.T., "Survey of Utility Companies in Assessing Utility Relocation and Joint Use in Highway Right-of-Way," *Proceedings*, 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-0984, CDROM, 2006, 14 pp.
120. Najafi, F.T., "Updates on Testing, Funding, Industry Application, and Availability of Chemical Agent Material Sensor Technologies for Use in Transportation Security," *Proceedings*, 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-0012, CDROM, 2006, 17 pp.
121. Vidalis, S.M., Kopac, P.A., and Najafi, F.T., "Probabilistic Procedure for Analyzing Construction Pay Adjustment Systems," *Proceedings*, 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-1369, CDROM, 2006, 15 pp.
122. Chaudhry, H.S., and Najafi, F.T., "Introducing Practical County and City Management to Undergraduate Students through the Course 'Public Works Engineering and Management Practices'," *Proceedings*, 2005 ASEE Annual Conference and Exposition (June 12-15), Portland, Oregon, International/Global Division, Session 2160, CD ROM, 2005, 6 pgs.
123. Haddad, D., Hollis, P.B., Perdomo, L.R., and Najafi, F.T., "Current Status of Elderly Drivers and Concurrent Statistics in the United States of America," *Proceedings*, 2005 ASEE Annual Conference and Exposition (June 12-15), Portland, Oregon, Educational Methods Division, Session 3660, CD-ROM, 2005, 22 pgs.
124. Javed, A., and Najafi, F.T., "Professional and Educational Mentoring: Opening Doors to Development and Growth," *Proceedings*, 2005 ASEE Annual Conference and Exposition (June 12-15), Portland, Oregon, Educational Methods Division, Session 3660, CD-ROM, 2005, 9 pgs.
125. Manokhoon, K., and Najafi, F.T., "Complementary Courses: the Public Works Management for Civil Engineers and the Entrepreneurship for Engineers, at the University of Florida," *Proceedings*, 2005 ASEE Annual Conference and Exposition (June 12-15), Portland, Oregon, International/Global Division, Session 2160, CD ROM, 2005, 6 pgs.

126. Najafi, F.T., and Toros, U., "Justification of Using Sludge as Energy to Generate Electricity," *Proceedings*, 2005 ASEE Annual Conference and Exposition (June 12-15), Portland, Oregon, Educational Methods Division, Session 3660, CD ROM, 2005, 21 pgs.
127. Chaudhry, H.S., and Najafi, F.T., "The Current Status of Flowable Fill," *Proceedings*, 2005 Canadian Society for Civil Engineering (CSCE) 33rd Annual Conference (June 2-4), Toronto, Ontario, Canada, accepted for publication, 2005.
128. Cummins, J.R., and Najafi, F.T., "Controlling Vessel Pollution in U.S. Ports and Coastal Waters," *Proceedings*, 2005 CSCE 33rd Annual Conference (June 2-4), Toronto, Ontario, Canada, accepted for publication, 2005.
129. Cummins, J.R., Marquand, S., Rast, J., and Najafi, F.T., "Gainesville's Bicycle Transportation Master Plan," *Proceedings*, 2005 CSCE 33rd Annual Conference (June 2-4), Toronto, Ontario, Canada, accepted for publication, 2005.
130. Flinn, C., Carnahan, Z., Flegert, J., and Najafi, F.T., "Feasibility of Florida High Speed Rail," *Proceedings*, 2005 CSCE 33rd Annual Conference (June 2-4), Toronto, Ontario, Canada, accepted for publication, 2005.
131. Najafi, F.T., and Chaudhry, H.S., "Introducing General Civil Engineering Concepts to Freshman Engineering Students," *Proceedings*, 2005 American Society for Engineering Education–Southeast Section (ASEE-SE) Annual Conference (April 3-5), Chattanooga, TN, Civil Engineering Division, Technical Session 5, CD-ROM 2005, 9 pgs.
132. Martin, J., and Najafi, F.T., "Management Strategies for Utility Relocation and Joint Use in Highway Right-of-Way," *Proceedings*, 2005 Compendium of Papers, 84th Annual Meeting of the Transportation Research Board (TRB) (January 9-13), National Academy of Sciences (NAS), Washington, DC, Paper #05-0732, CD ROM, 2005.
133. Chaudhry, H.S., Muhammad, A.A., and Najafi, F.T., "Industrial Engineering Education at the University of Florida and the NED University, Pakistan," *Proceedings*, 2004 American Society for Engineering Education (ASEE) Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 1660, CD ROM, 2004, 7 pgs.
134. Javed, A., Downing, G., Tran, T., and Najafi, F.T., "Professional Engineering Development Program at the County Level: Setting Higher Standards for Engineering Practice," *Proceedings*, 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 1460, CD ROM, #2243, 2004, 12 pgs.
135. Mason, B., and Najafi, F.T., "Technology-Based Distance Learning at the University of Florida, College of Engineering–Graduate Engineering Education on Demand," *Proceedings*, 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 1793, CD-ROM, 2004, 8 pgs.
136. Najafi, F.T., "An Institutional Diversity Model," *Proceedings*, 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 1793, CD ROM, 2004, 10 pgs.
137. Paredes-Bonilla, V., and Najafi, F.T., "Civil Engineering Curriculum at the University of Florida and the National Autonomous University of Honduras," *Proceedings*, 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 2160, CD ROM, #612, 2004, 8 pgs.
138. Tapia, P., Manokhoon, K., and Najafi, F.T., "Accreditation of CE Program at the University of Florida and the University of Catolica del Norte, Chile," *Proceedings*, 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 3660, CD ROM, 2004, 9 pgs.
139. Green, A.E.S., Swanson, G.P., and Najafi, F.T., "Co-Utilization of Fossil and Renewable Fuel: Biomass Gas/Natural Gas," *Proceedings*, 2004 American Society of Mechanical Engineering (ASME) Turbo Expo 2004 Conference: Power for Land, Sea, and Air (June 14-17), Vienna, Austria, Paper GT2004-54194, CD ROM #1707, 2004.
140. Chaudhry, H.S., and Najafi, F.T., "Evaluation of the Implementation of Modern Roundabouts in Small and Medium-sized Cities," *Proceedings*, 2004 Canadian Society for Civil Engineering (CSCE) 32nd Annual Conference (June 2-5), Saskatoon, SK, Canada, CD-ROM, TR-184, 2004, 13 pgs.

141. Ferraro C.C., Boyd A.J., and Najafi, F.T., "The Use of Non-Destructive Test Methods in Concrete Materials for Evaluation and Monitoring of Infrastructure," Proceedings, 2004 CSCE 32nd Annual Conference (June 2-5), Saskatoon, SK, Canada, CD-ROM, ST-81, 2004, 10 pgs.
142. Javed, A., and Najafi, F.T., "An In-depth Evaluation and Analysis of Traffic and Work Zones during Highway Construction," Proceedings, 2004 CSCE 32nd Annual Conference (June 2-5), Saskatoon, SK, Canada, CD-ROM, TR-141, 2004, 10 pgs.
143. Najafi, F.T., and Chauhan, K.S., "Sarasota County's Bridge Management System – A Case Study," Proceedings, 2004 CSCE 32nd Annual Conference (June 2-5), Saskatoon, SK, Canada, CD-ROM, TR-379, 2004, 8 pgs.
144. Tapia, P., Manokhoon, K., and Najafi, F.T., "Practical Training in the Curriculum of the Civil Engineering Education," Proceedings, 2004 American Society for Engineering Education-Southeastern Section (ASEE-SE) Annual Conference (April 4-6), Auburn, AL, Civil Engineering Division, CD-ROM, #061, 2004, 6 pgs.
145. Vidalis, S.M., and Najafi, F.T., "New Civil Engineering Curriculum," Proceedings, 2004 ASEE-SE Annual Conference (April 4-6), Auburn, AL, Civil Engineering Division, CD-ROM, #023, 2004, 12 pgs.
146. Moore, P.M., and Najafi, F.T., "Effect of Integration of Handheld Computers, Global Positioning System Devices, and Geographic Information System on Efficiency of Construction Management Duties," 2004 Compendium of Papers CD-ROM, 83rd Annual Meeting of the Transportation Research Board (TRB), National Academies of Science (NAS) (January 11-15), Washington DC, Paper #04-4323, CD ROM, 2004.
147. Pirkola, R.L., and Najafi, F.T., "Comparison of Chemical Agent and Toxic Industrial Material Sensor Technologies for Uses in Transportation Security," 2004 Compendium of Papers CD-ROM, 83rd Annual Meeting of the TRB, NAS (January 11-15), Washington, DC, Paper #04-3810, CD-ROM, 2004.
148. Manokhoon, K., and Najafi, F.T., "Civil Engineering Curriculum at the University of Florida and the Mahanakorn University of Technology, Thailand," Proceedings, 2003 ASEE Annual Conference and Exposition (June 22-25), Nashville, Tennessee, International Division, Session 2160, CD-ROM #132, 2003.
149. Mudassar, A.M., and Najafi, F.T., "A Comparison of the Curriculum of Civil Engineering at the University of Florida and the University of Engineering and Technology, Lahore, Pakistan," Proceedings, 2003 ASEE Annual Conference and Exposition (June 22-25), Nashville, Tennessee, International Division, Session 3160, CD-ROM #226, 2003.
150. Najafi, F.T., and Safai, N., "An Institutional Assessment Process in Recruiting, Retention, Orientation and Placement," Proceedings, 2003 ASEE Annual Conference and Exposition (June 22-25), Nashville, Tennessee, International Division, Session 3560, CD-ROM #204, 2003.
151. Tapia, P., and Najafi, F.T., "A Comparison of Civil Engineering Curriculum at the University of Florida and the Catholic University of the North, Chile," Proceedings, 2003 ASEE Annual Conference and Exposition (June 22-25), Nashville, Tennessee, International Division, Session 2160, CD-ROM #243, 2003.
152. Tasker, M.R., Arroyo, E.A., and Najafi, F.T., "Graduate Study in Public Works Engineering and Public Works Management," Proceedings, 2003 ASEE Annual Conference and Exposition (June 22-25), Nashville, Tennessee, International Division, Session 3260, CD-ROM #1293, 2003.
153. Atkas, M.T., Najafi, F.T., and Chaudhry, H.S., "Web-Based Integration of Pavement Management Systems (PMS) and Geographic Information Systems (GIS)," Proceedings, 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, CD-ROM #GCI-131, 2003.
154. Javed, A., and Najafi, F.T., "Effective Use of Preventive Maintenance When Applied to Highway Systems Through Asset Management," Proceedings, 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, CD-ROM #GCG-309, 2003.
155. Jivacate, I., and Najafi, F.T., "The Current Status of Bridge Management Systems," Proceedings, 2003 CSCE 31st Annual Conference (June 4-7), Moncton, New Brunswick, Canada, CD-ROM #GCG-285, 2003.
156. Tapia, P., Manokhoon, K., and Najafi, F.T., "Long Term Effect of Pavement Management System and Preventive Maintenance on the Highway System in Developing Countries," Proceedings, 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, CD-ROM #GCG-128, 2003.

157. Tapia, P., and Najafi, F.T., "Seismic Vulnerability in Infrastructure," Proceedings, 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, CD-ROM, #GCB-129, 2003.
158. Tasheuras, N., Najafi, F.T., and Anglade, Y. J., "Overview of Trenchless Technology Systems Used for Pipe Installation, Replacement and Renovations," Proceedings, 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, CD ROM #GCP-198, 2003.
159. Javed, A., and Najafi, F.T., "Using State-of-the-Art Technology in Enhancing International Engineering Education," Proceedings, 2003 ASEE-SE Annual Conference (April 6-8), Crown Plaza, Macon, GA, Technical Session Instructional Division, CD-ROM, 2003.
160. Manokhoon, K. and Najafi, F.T., "Civil Engineering Teaching Methods at the University of Florida and the Mahanakorn University of Technology in Thailand," Proceedings, 2003 ASEE-SE Annual Conference (April 6-8), Crown Plaza, Macon, GA, Technical Session Instructional Division, CD-ROM, 2003.
161. Tapia, P., and Najafi, F.T., "A Comparison of Civil Engineering Teaching at the University of Florida and the Catholic University of North, Chile," Proceedings, 2003 ASEE-SE Annual Conference (April 6-8), Crown Plaza, Macon, GA, Technical Session Instructional Division, CD-ROM, 2003.
162. Vidalis, S., and Najafi, F.T., "Increasing the Diversity in Engineering Education," Proceedings, 2003 ASEE-SE Annual Conference (April 6-8), Crown Plaza, Macon, GA, Technical Session Instructional Division, CD-ROM, 2003.
163. Najafi, F.T. and Srinivasan, R.S., "Visual Construction Information System to Retrieve Necessary Construction Data for Typical Midsize Construction Project," 2003 Compendium of Papers CD-ROM, 82nd Annual Meeting of the TRB, NAS (January 12-16), Washington, DC, Paper #2076, CD-ROM, 2003.
164. Mehta, Y., and Najafi, F.T., "Innovative Teaching Methods in Flexible Pavements," Proceedings, 2002 ASEE Annual Conference and Exposition (June 16-19), Montréal, Quebec, Canada, Civil Engineering Division, Session 1615, Paper #1599, CD-ROM, 2002.
165. Najafi, F.T., Fukai, D.Y., and Srinivasan, R.S., "Graduate Study in Public Works Engineering and Management at the University of Florida," Proceedings, 2002 ASEE Annual Conference and Exposition (June 16-19), Montréal, Quebec, Canada, International Division, Session 3615, Paper #1261, CD-ROM, 2002.
166. Najafi, F.T., Javed, A., and Lovencin, W., "Comparison of Civil Engineering Curriculum at the University of Florida and the National University of Science and Technology, Pakistan," Proceedings, 2002 ASEE Annual Conference and Exposition (June 16-19), Montréal, Quebec, Canada, International Division, Session 2160, Paper #1211, CD ROM, 2002.
167. Najafi, F.T., and Feng, L., "A Study of Civil Engineering Education at Singapore Nanyang Technological University and at University of Florida," Proceedings, 2002 ASEE Annual Conference and Exposition (June 16-19), Montréal, Quebec, Canada, International Division, Session 3160, Paper #1215, CD-ROM, 2002.
168. Javed, A., Lovencin, W., and Najafi, F.T., "Current Status of Accelerated Flowable Fill in the Pavement Section," Proceedings, 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), Montréal, Quebec, Canada, CD-ROM #TR-101, 2002.
169. Jivacate, I., and Najafi, F.T., "The Current Status of Roundabouts," Proceedings, 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), Montréal, Quebec, Canada, CD-ROM #TR-110, 2002.
170. Jones, M.T., and Najafi, F.T., "The Disposal of Used Oil, Spilled Crude Oils and Their Associated Sorbent Materials," Proceedings, 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), Montréal, Quebec, Canada, CD-ROM #TR-141, 2002.
171. Najafi, F.T., and Davis, J., "Current Status of Traffic Management at Workzones," Proceedings, 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), Montréal, Quebec, Canada, CD-ROM #TR-163, 2002.
172. Srinivasan, R. S., Najafi, F.T., Srinivasan, P.A., Arunachalam, K., and Lakshmanan, J., "Visual Pattern Database (ViPD): New Understanding of the Sequences in Design and Construction," Proceedings, 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), Montréal, Quebec, Canada, CD ROM #TR-154, 2002.

173. Subramanian, R., and Najafi, F.T., "Current Status of the Development and Use of Portland Cement Concrete Performance Related Specifications," Proceedings, 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), Montréal, Quebec, Canada, CD-ROM #TR-133, 2002.
174. Vidalis, S., and Najafi, F.T., "Cost and Time Overruns in Highway Construction," Proceedings, 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), Montréal, Quebec, Canada, CD ROM #TR-152, 2002.
175. Feng, L., and Najafi, F.T., "Civil Engineering Teaching Methods in Nanyang Technological University of Singapore," Proceedings, 2002 ASEE-SE Annual Conference (April 7-9), Double Tree Hotel, Gainesville, FL, Technical Session Five, CD-ROM, 2002.
176. Javed, A., Lovencin, W., and Najafi, F.T., "Instructional Methodology Comparison: University of Florida and the National University of Science and Technology, Pakistan," Proceedings, 2002 ASEE-SE Annual Conference (April 7-9), Double Tree Hotel, Gainesville, FL, Technical Session One, CD ROM, 2002.
177. Mehta, Y., and Najafi, F.T., "Experiences in Teaching Complex Flexible Pavement Materials," Proceedings, 2002 ASEE-SE Annual Conference (April 7-9), Double Tree Hotel, Gainesville, FL, Technical Session One, CD ROM, 2002.
178. Najafi, F.T., Fukai, D.Y., Ross, D.H., and Srinivasan, R.S., "Public Works Engineering Education Through Setting Up an International Public Works Center at the University of Florida," Proceedings, 2002 ASEE-SE Annual Conference (April 7-9), Double Tree Hotel, Gainesville, FL, April 7-9, 2002, Technical Session Three, CD ROM, 2002.
179. Collins, C., and Najafi, F.T., "Public Benefits of Highway System Maintenance and Operations," Proceedings, 2nd International Symposium on Public Works Infrastructure (July 29 – August 1), Auburn University, Auburn, Alabama, CD-ROM, 2001.
180. Villiers, C., Najafi, F.T., and Anglade, Y.J., "Haiti: An Emergency Call to Rehabilitate Its Transportation," Proceedings, 2nd International Symposium on Public Works Infrastructure (July 29 – August 1), Auburn University, Auburn, Alabama, CD-ROM, 2001.
181. Nassar, F.E., and Najafi, F.T., "Downtown People Mover Evolution in the Past Ten Years," Proceedings, Eighth International Conference on Automated People Movers (APM), American Society of Civil Engineers (ASCE), APM 2001 Moving Through the Millennium (July 8-11), San Francisco, California, Session A1, CD ROM, 2001.
182. Dobson, D., and Najafi, F.T., "Using Internet Sources to Enhance Student Communication," Proceedings, 2001 ASEE Annual Conference and Exposition (June 24-27), Albuquerque, NM, International Division, Session 2660, Paper #140, CD-ROM, 2001.
183. Emami, S., and Najafi, F.T., "Internet Protocols for Delivery of E-learning," Proceedings, 2001 ASEE Annual Conference and Exposition (June 24-27), Albuquerque, NM, International Division, Session 2793, Paper #332, CD-ROM, 2001.
184. Najafi, F.T., "Funding Sources for Research and Scholarship," Proceedings, 2001 ASEE Annual Conference and Exposition (June 24-27), Albuquerque, NM, International Division, Session 1360, Paper #143, CD-ROM, 2001.
185. Pathomvanich, S., and Najafi, F.T., "International Partnership in Engineering Education," Proceedings, 2001 ASEE Annual Conference and Exposition (June 24-27), Albuquerque, NM, International Division, Session 2560, Paper #1276, CD-ROM, 2001.
186. Alvarez, L.R., Najafi, F.T., and Jennings, D.C., "Horizontal Directional Drilling Versus Open Cut Trenching: A Comparison of Costs, Schedules and Problems Encountered," Proceedings, 2001 CSCE 29th Annual Conference, 4th Construction Specialty Conference (May 30-June 2), Victoria, BC, Canada, CD-ROM #C3, 2001.
187. Gladwell, S.E., and Najafi, F.T., "An Analysis of Design-Build Contracts," Proceedings, 2001 CSCE 29th Annual Conference, 4th Construction Specialty Conference (May 30-June 2), Victoria, BC, Canada, CD-ROM #C16, 2001.
188. Najafi, F.T., Pathomvanich, S., and Anglade, Y.J., "Justification of High-Speed Rail in Florida," Proceedings, 2001 CSCE 29th Annual Conference, 4th Construction Specialty Conference (May 30-June 2), Victoria, BC, Canada, CD-ROM #A54, 2001.
189. Pathomvanich, S., Najafi, F.T., and Kapac, P., "Problem of Current Quality Assurance Construction Specifications for Hot-Mix Asphalt Construction," Proceedings, CSCE 29th Annual Conference, 4th Construction Specialty Conference (May 30-June 2), Victoria, BC, Canada, CD-ROM #C40, 2001.

190. Suvimolthirabutr, P., and Najafi, F.T., "Utilization of Web-based Computer Aided Design in the Construction Industry," Proceedings, 2001 CSCE 29th Annual Conference, 4th Construction Specialty Conference (May 30-June 2), Victoria, BC, Canada, CD-ROM #C39, 2001.
191. Dobson, D., and Najafi, F.T., "Student Skill-building Using Internet Resources," Proceedings, 2001 ASEE-SE Annual Conference, Charleston, SC, (March 31-April 3), Technical Session, CD-ROM, 2001.
192. Peaslee, G., and Najafi, F.T., "Proven New Technology Transfer Initiatives Hasten Research Implementation," Proceedings, 2001 ASEE-SE Annual Conference (March 31-April 3), Charleston, SC, Technical Session, CD-ROM, 2001.
193. Subramanian, R., and Najafi, F.T., "Partnership in Engineering Education," Proceedings, 2001 ASEE-SE Annual Conference (March 31-April 3), Charleston, SC, Technical Session, CD-ROM, 2001.
194. Vidalis, S., and Najafi, F.T., "A Beneficial Tool for Learning in College Level Courses," Proceedings, 2001 ASEE-SE Annual Conference (March 31-April 3), Charleston, SC, Technical Session, CD-ROM, 2001.
195. Emami, S. and Najafi, F.T., "An Internet Enhanced Engineering Education Delivery System," Proceedings, 2000 Information Technology Based Higher Education and Training (ITHET) Conference (July), Istanbul, Turkey, 2000, p. 261-263.
196. Emami, S., and Najafi, F.T., "An Internet- and Windows-Based Approach to Distance Learning," Proceedings, 2000 ASEE Annual Conference, Engineering Education Beyond the Millennium (June 18-21), St. Louis, Missouri, Technology in Education, Session 3430, CD-ROM, 2000, p. 1-4.
197. Arnaldo, S. G., and Najafi, F.T., "Variable Speed Limit Implementation," Proceedings, 2000 CSCE Annual Conference, 3rd Transportation Specialty Conference (June 7-10), S. Easa (ed.), London, Ontario, Canada, CD-ROM, 2000, p. 346-353.
198. Nair, H. S., and Najafi, F.T., "Application of Advanced Composites to Highway Infrastructure," Proceedings, 2000 CSCE Annual Conference, 3rd Transportation Specialty Conference (June 7-10), S. Easa (ed.), London, Ontario, Canada, CD-ROM, 2000, p. 163-169.
199. Ellwood, J. M., and Najafi, F.T., "Curriculum Study of Public Works Engineering and Management," Proceedings, 2000 ASEE-SE Annual Conference (April 2-4), Roanoke, Virginia, CD-ROM, 2000, p. 1-7.
200. Najafi, F.T., and Subramanian, R., "Industry/Government Participation in Engineering Education," Proceedings, 2000 ASEE-SE Annual Conference (April 2-4), Roanoke, Virginia, CD-ROM, 2000, p. 1-5. (Also acted as Div. Moderator of "Civil Engineering and Computer Engineering/ Technology" on April 3).
201. Pasko, T.J., and Najafi, F.T., "Applying for Research Funding," Proceedings, 2000 ASEE-SE Annual Conference (April 2-4), Roanoke, Virginia, Technical Session 4, CD-ROM, 2000, p. 1-10. (Also acted as Instructional Unit Moderator for Technical Session 4).
202. Morales, G., Herbsman, Z., and Najafi, F.T., "Robots and Construction Automation," Proceedings, 16th IAARC/IFAC/IEEE International Symposium on Automation and Robotics in Construction (September 22-24), Madrid, Spain, Vol. 1, 1999, p. 283-288.
203. Najafi, F.T., Choung, H.J., and Kerr, K., "Analysis of Weigh-in-Motion Truck Traffic Data at Various Florida Sites," Proceedings, 1999 Advances in Structural Engineering and Mechanics (ASEM) First International Conference (August 23-25), Seoul, Korea, Vol. 2, 1999, p. 1595-1600.
204. Najafi, F. T., Subramanian, R., and Pathomvanich, S., "Partnership in Engineering Education to Enhance Graduates' Responsiveness to Industry/Government," Proceedings, International Conference in Engineering Education (August 10-14), Ostrava-Prague, Czech Republic, CD-ROM, Paper 335, 1999, p. 1-8.
205. Najafi, F. T., and Maalouf, W.M., "Effective Educational Delivery Tools Using Multi-Media and Distance Learning," Proceedings, 1999 ASEE Annual Meeting (June 20-23), Charlotte, North Carolina, CD-ROM, Session 3460, 1999, p. 1-8.
206. Arnaldo, S. G., and Najafi, F. T., "A Survey of Pavement Management Status in Florida," Proceedings, 1999 CSCE Annual Conference (June 2-5), Regina, Saskatchewan, Canada, Vol. IV, 1999, p. 359-368.
207. Najafi, F. T., "Alleviating Traffic in Two Congested Highway Corridors with High-Speed Rail," Proceedings, 1999 CSCE Annual Conference (June 2-5), Regina, Saskatchewan, Canada, Vol. IV, 1999, p. 479-488.
208. Najafi, F. T., and Maalouf, W.M., "Cost-Benefit of Highway Maintenance," Proceedings, 1999 CSCE Annual Conference (June 2-5), Regina, Saskatchewan, Canada, Vol. IV, 1999, p. 369-378.
209. Navarrete, G., Ahmad, I., and Najafi, F. T., "Delay Claims and Use of CPM," Proceedings, 1999 CSCE Annual Conference (June 2-5), Regina, Saskatchewan, Canada, Vol. III, 1999, p. 227-236.

210. Thompson, P. D., Najafi, F. T., and Soares, R., "Development of Pontis User Cost Models for Florida," Proceedings, 8th International Bridge Management Conference (April 24-28), "User and Life-Cycle Cost Factors," conducted by the Transportation Research Board National Research Council in cooperation with the Federal Highway Administration (TRB-FHWA), U.S. Department of Transportation, Denver, Colorado, Vol. 1, D1, 1999, p. 1-13.
211. Najafi, F. T., and Arnaldo, S. G., "Public Works Management Practices for Undergraduate Students," Proceedings, 1998 ASEE Annual Conference and Exposition on Engineering Education: Contributing to U.S. Competitiveness (June 28-July 1), Seattle, Washington, Session 1260, CD-ROM, 1998, p. 1-12. Best paper award nominee.
212. Arnaldo, S. G., and Najafi, F. T., "Pavement Management Practiced in Florida," Proceedings, 2nd CSCE Transportation Specialty Conference (June 10-13), Halifax, Nova Scotia, Canada, vol. IVa, 1998, p. 231-240.
213. Najafi, F. T., "Application of the Computer in Highway Construction Projects," Proceedings, 2nd CSCE Transportation Specialty Conference (June 10-13), Halifax, Nova Scotia, Canada, vol. IVa, 1998, p. 395-404.
214. Najafi, F. T., and Crapps, D., "Cost Analysis of Utility Pole Countermeasures," Proceedings, 2nd CSCE Transportation Specialty Conference (June 10-13), Halifax, Nova Scotia, Canada, vol. IVc, 1998, p. 273-279.
215. Najafi, F. T., Lee, J., and Blackadar, B., "Statistical Analysis of Truck Weights at Various Weigh-in-Motion Sites in Florida," Proceedings, 2nd CSCE Transportation Specialty Conference (June 10-13), Halifax, Nova Scotia, Canada, vol. IVc, 1998, p. 27-32.
216. Najafi, F. T., and Maruvada, R. P., "Crash Profile Studies of Various Intersections," Proceedings, 2nd CSCE Transportation Specialty Conference (June 10-13), Halifax, Nova Scotia, Canada, vol. IVa, 1998, p. 293-302.
217. Nassar, F. E., and Najafi, F. T., "Bicycle Transportation Works in the City of Gainesville," Proceedings, 2nd CSCE Transportation Specialty Conference (June 10-13), Halifax, Nova Scotia, Canada, vol. IVb, 1998, p. 49-54.
218. Soares, R., and Najafi, F. T., "Analyzing the Ability to Evaluate Bridge User Costs Between Two Existing Models," Proceedings, 2nd CSCE Transportation Specialty Conference (June 10-13), Halifax, Nova Scotia, Canada, vol. IVa, 1998, p. 277-285.
219. Najafi, F. T., "Instructional Methodology in Engineering," Proceedings, 1998 ASEE-SE Annual Conference (April 5-7), Orlando, Florida, 1998, p. 153-156. (Also acted as Instructional Unit-Moderator, Session 3, "Teaching Engineering to Cyber Children" on April 6).
220. Uddin, W., and Najafi, F. T., "Deterioration Mechanisms and Nondestructive Evaluation for Infrastructure Life-Cycle Analysis," Proceedings, ASCE Conference on Infrastructure Condition Assessment: Art, Science, and Practice (August 25-27), sponsored by the Facilities Management Committee of the Urban Transportation Division of ASCE, Boston, Massachusetts, 1997, p. 524-533.
221. Najafi, F. T., Watford, S., Moore, G. and Dec, A., "Florida Intercity High Speed Rail," Proceedings, 25th CSCE Annual Conference (May 27-30), Sherbrooke, Quebec, Canada, 1997, p. 267-272.
222. Sweeney, O., Najafi, F. T., and Naji, K., "Financial Risk Management Using Program Evaluation Review Technique," Proceedings, 25th CSCE Annual Conference (May 27-30), Sherbrooke, Quebec, Canada, 1997, p. 215-224.
223. Ganowski, R., Najafi, F. T., Cox, J., and Lenoir, W., "Recycling Collection System in Alachua County, Florida," Proceedings, 25th CSCE Annual Conference (May 27-30), Sherbrooke, Quebec, Canada, 1997, p. 133-142.
224. Najafi, F. T. and Nassar, F.E., "Feeder Bus for Downtown People Mover," Proceedings, 25th CSCE Annual Conference, Sherbrooke, Quebec, Canada, May 27-30, 1997, 273-282.
225. Najafi, F. T. and Kohli, N., "Medical Waste Management," Proceedings, 25th CSCE Annual Conference (May 27-30), Sherbrooke, Quebec, Canada, 1997, p. 143-152.
226. Najafi, F. T., "Current Practice in Improving Intersections," Proceedings, 25th CSCE Annual Conference (May 27-30), Sherbrooke, Quebec, Canada, 1997, p. 321-330.
227. Salimi-Tari, E., Najafi, F. T., and Al-Ahmady, K.K., "Experimental Investigation of Soil Water Content Effects on In-Situ Soil-Gas Radon Testing before Construction," Proceedings, American Association of Radon Scientists and Technologists International Radon Symposium II (September 29-October 2), Haines City, Florida, 1996, p. 3.1-3.7.

228. Najafi, F. T., and Kaczorowski, P., "The Context of Change in Engineering Curriculum," Proceedings, 1996 ASEE Annual Conference (June 22-26), Washington, DC, CD-ROM File #3617, 1996, p. 1-7.
229. Naji, K.K., and Najafi, F. T., "The Future of Virtual Reality in Simulating Construction Operations," Proceedings, 1996 ASEE Annual Conference (June 22-26), Washington, DC, CD-ROM File #1260, 1996, p. 1-7.
230. Najafi, F. T., Peaslee, D. Gibson, and Bowyer, Greg, "Technology Transfer: Key to Progress," Proceedings, 1996 ASEE Annual Conference (June 22-26), Washington, DC, CD-ROM File #2617, 1996, p. 1-6.
231. Najafi, F. T., "Cost-Benefit Based Roadway Network Improvement," Proceedings, 1st Transportation Conference of the CSCE (May 29-June 1), Edmonton, Alberta, Canada, Vol. IIIa, 1996, p. 545-559.
232. Baradaran, H.S., and Najafi, F. T., "Oil Price Shocks on Transportation Sector's Oil Consumption and Economic Growth Across OECD Nations," Proceedings, 1st Transportation Conference of the CSCE (May 29-June 1), Edmonton, Alberta, Canada, Vol. IIIa, 1996, p. 75-89.
233. Yao, Q.-Y., and Najafi, F. T., "Utility Pole Accident Prediction and Counter Measure Method," Proceedings, 1st Transportation Conference of the CSCE (May 29-June 1), Edmonton, Alberta, Canada, Vol. IIIa, 1996, p. 401-409.
234. Najafi, F. T., and Magdy, N., "Traffic Characteristics and Proposed Improvement Schemes for a Roundabout Within an Arterial Road," Proceedings, 1st Transportation Conference of the CSCE (May 29-June 1), Edmonton, Alberta, Canada, Vol. IIIa, 1996, p. 329-344.
235. Najafi, F. T., Utka, A., and Dewitt, B.A., "A Spreadsheet Application for the Evaluation Phase in the Value Engineering Process," Proceedings, 1st Transportation Conference of the CSCE (May 29-June 1), Edmonton, Alberta, Canada, Vol. IIIa, 1996, p. 373-584.
236. Naji, K.K., and Najafi, F. T., "Applications of Virtual Reality to Intelligent Transportation Systems (ITS): An Inexpensive PC-Based Solution," Proceedings, 1st Transportation Conference of the CSCE (May 29-June 1), Edmonton, Alberta, Canada, Vol. IIIa, 1996, p. 481-487.
237. Yao, Q.-Y., Najafi, F.T., and Li, W.G., "Development of Systematic Procedure for the Analysis of Heavy Truck Traffic Data," Proceedings, International Symposium on Uncertainty Modeling and Analysis (ISUMA) (September 17-20), University of Maryland, College Park, Maryland, 1995, p. 549-552.
238. Najafi, F.T., and Tag, I., "New Trends and Context for Change in Engineering Education," Proceedings, 1995 ASEE Annual Conference (June 25-28), Investing in the Future, Anaheim, California, Vol. 1, 1995, p. 944-950.
239. Li, W.G., Najafi, F.T., and Al-Ahmady, K., "Expert System Application in Construction for Preventing Radon Entry into Houses," Proceedings, the Second ASCE Congress for Computing in Civil Engineering (June 5-7), Atlanta, Georgia, 1995, p. 1003-1010.
240. Najafi, F.T., and Fu, X., "Educational Status of Minorities in Engineering," Proceedings, 1993 ASEE Annual Conference & Centennial, Urbana, Champaign, Illinois, Vol. 1, 1993, p. 352-357.
241. Najafi, F.T., "Existing Engineering Curriculum Dilemma," Proceedings, 1993 ASEE Annual Conference, ASEE Centennial, Urbana, Champaign, Illinois, Vol. 1, 1993, p. 921-926.
242. Nassar, F., and Najafi, F.T., "Development of Simulation and Cost Models to Compare High Speed Rail and Maglev Systems," Proceedings, First International Conference on High Speed Ground Transportation (HSGT) Systems 1, Planning and Engineering (October), Orlando, Florida, 1992, p. 336-345.
243. Najafi, F.T., "Current Practice of Weigh-In-Motion Technology in the United States," Proceedings, Canadian Society for Mechanical Engineering (CSME) Forum 1992 (June), Concordia University, Montréal, Canada, 1992, p. 905-910.
244. Najafi, F.T., and Fu, X., "Economic Evaluation of Robotics in Construction," Proceedings, Ninth International Symposium on Automation and Robotics in Construction, International Association for Automation and Robotics in Construction (IAARC) (June), Tokyo, Japan, Vol. 1, 1992, p. 201-206.
245. Najafi, F.T., "Engineering Education, What the Future Holds," Proceedings, 1992 ASEE Annual Conference (June), Toledo, Ohio, Vol. 1, 1992, p. 769-771.
246. Najafi, F.T., "Engineering Liability—An Issue of National and International Concern," Proceedings, 1992 ASEE-SE Annual Region Conference (April 11-14), Norfolk, Virginia, 1992, p. 98-102.

247. Najafi, F.T., "Legal Aspects of Computer Use and Measures of Software Quality and Verification," Proceedings, Seventh ASCE Conference, Computing in Civil Engineering and Symposium on Databases in Conjunction with A/E/C Systems 91 (May 6-8), Washington, DC, 1991, p. 88-94.
248. Najafi, F.T., and Salimi-Tari, E., "The Role of Computers in Engineering Education," Proceedings, ASEE, Challenge '91, Challenges in Engineering Education (April 14-16), Charleston, South Carolina, 1991, p. 189-193.
249. Najafi, F.T., "Current Water Quality Policies and Issues," Proceedings, 1990 CSCE Annual Conference (May 16-18), Hamilton, Ontario, Canada, 1990, p. 1-43 to 1-61.
250. Najafi, F.T., "Impact of Engineering Liability," Proceedings, 1990 CSCE Annual Conference (May 16-18), Hamilton, Ontario, Canada, 1990, p. 2-75 to 2-97.
251. Najafi, F.T., "Teaching/Learning—A Continuous Process," Proceedings, 1990 ASEE Annual Meeting (June 24-28), Toronto, Ontario, Canada, Vol. 1, 1990, p. 11-13.
252. Najafi, F.T., "Land Policy to Alleviate Traffic Congestion," Proceedings, ASCE Specialty Conference (December), Affordable Housing, A Challenge for Civil Engineers, Miami, Florida, Vol. 1, 1989, p. 85-91.
253. Najafi, F.T., "Current Status of Weigh-in-Motion Technology," Proceedings, Transportation Research Forum (October 11-13), Williamsburg, Virginia, Vol. 4, 1989, p. 64-66.
254. Najafi, F.T., "The Computer in the Construction Industry," Proceedings, Fourth International Conference and Exhibition on Civil and Structural Engineering Computing, Construction Industry Computing Association and the Department of Civil Engineering (September 19-21), City University, London, 1989, p. 84-98.
255. Najafi, F.T., "Automated Technique Combines Program Evaluation and Review Technique with Critical Path Method to be Utilized by Small Firms and Minority Contractors," Proceedings, Sixth ASCE National Conference on Computing in Civil Engineering (September 11-13), Atlanta, Georgia, 1989, p. 621-628.
256. Najafi, F.T., and Ahmed, A.Q., "Quality Control: Owner and Contractor's Responsibilities," Proceedings, 1989 CSCE Annual Conference and the Ninth Canadian Hydrotechnical Conference (June 8-10), St. John's, Newfoundland, Canada, Vol. IV, 1989, p. 125-135.
257. Najafi, F.T., and Naik, S., "A Frame-Based System for Project-Team Selection," Proceedings, Sixth ASCE National Conference on Microcomputers in Civil Engineering (November 9-11), Florida Section, East Central Florida, Orlando, Florida, 1988, p. 96-98.
258. Najafi, F.T., and Herbsman, Z., "Public Works Management Research and Education Program in Universities, Private and Public Sectors," Proceedings, The Project Management Institute (PMI) (October 2-7), Milwaukee, WI, 1987, p. 422-432.
259. Najafi, F.T., "Transportation Between Nations and Its Effects on Development, Council of Planning Librarians," Exchange Bibliography, August, Monticello, Illinois, 1976, No. 1095, pp. 1-24.

NON-REFEREED PROCEEDINGS

Note: Abstract reviewed by committee and full paper published in the Proceedings

1. Arnaldo, Sal, and Najafi, F. T., "Downtown Street Reconstruction: A Case Study in Florida's Capital City," *Proceedings*, Conference of the American Public Works Association-Florida Chapter (APWA-FL), March 25-29, 2002, JEA, Omni Hotel, Jacksonville, Florida, CD-ROM.
2. Najafi, F. T., "Frequency Analysis of Traffic Accidents Involving Utility Poles in Florida Based on Observed Data," *Proceedings*, American Society of Civil Engineers (ASCE), Innovations in Civil Engineering, Florida Section Annual Meeting, September 17-19, 1998, Holiday Inn West, Gainesville, Florida, Session A-5, 1-7.
(Also acted as moderator of Sessions C-1 and C-2, September 18, 1998:
 - C-1 Utilizing a 'Hydraulically Challenged' Shallow Aquifer of Water Supply at St. Augustine, Florida;
 - C-2 Comparing Dilution Model Predictions for Nutrient Discharges in Open Coastal Waters.)

3. Najafi, F. T., “High Speed Rail Corridor,” *Proceedings*, ASCE, South Florida Section Annual Meeting, September 18-20, 1997, Sheraton Sand Key Resort, Clearwater, Florida, Session C-5, pg. 1-5.
(Also acted as moderator of Sessions A-1 through A-4, September 19, 1997:
A-1 Anchor River Bridge: Design-Construction Partnering;
A-2 Florida Motor Vehicle Inspection Program;
A-3 The Design of the Regional Bus Transit Center for Hartline-Hillsborough County;
A-4 Methods of Developing Citizen Partnerships for Transportation Projects.)
4. Najafi, F. T., “Justification of a High-Speed Rail System in Florida,” *Proceedings*, ASCE, Florida Section Annual Meeting, The Business of Civil Engineers, September 12-14, 1996, The Hyatt, Sarasota, Florida, 1-14.

NON-REFEREED PUBLICATIONS OF OTHER MEETINGS

Note: Abstract reviewed by a committee of three, published in the Program Index, and paper presented.

1. Najafi, F.T., Maruvada, Radhika P., and Merchant, Shabana, “Abnormally High Intersection Crash Profile,” *Program Index*, ASCE South Florida Section Annual Meeting, Celebrating a Century of Civil Engineering, September 16-18, 1999, Orlando, Florida, Session B-3, 15.
2. Najafi, F.T., and Subramanian, Rajarajan, “Optimum Highway Maintenance Using Cost-Benefit Methods,” *Program Index*, ASCE South Florida Section Annual Meeting, Celebrating a Century of Civil Engineering, September 16-18, 1999, Orlando, Florida, Session B-9, 19.

TECHNICAL RESEARCH REPORTS

Note: Reports are peer-reviewed by qualified FDOT & FHWA advisory professional experts.

1. Lovencin, Webert, Chaudry, Hammad, Najafi, F.T., and Tia, Mang, “Use of Accelerated Flowable Fill in Pavement Section,” Volumes 1 & 2, *Final Report*, Florida Department of Transportation (FDOT), Contract No. BC-354-53, University of Florida (UF) Project No. 4910450487212, Dept. of Civil and Coastal Engineering, UF, February 2004, 449 p.
2. Ahmad, I., and Najafi, F., “An Investigation into Application and Bonding Strengths of Thermo-plastic Pavement Markings on Concrete and Asphaltic Roadway Surfaces,” *Final Report*, Florida Department of Transportation (FDOT), Contract No. BC-052, FM No. 403703, FIU Project No. 571839200, Dept. of Civil and Coastal Engineering, UF, February 2001, 136 p.
3. Thompson, Paul D., Najafi, F., Soares, Roberto, and Choung, Hong-Jae, “Florida Department of Transportation Pontis User Cost Study,” *Final Report*, FDOT, State Project No. 99700-355-4119, UF Project No. 4910450460612, WPI No. 0510855, Contract No. BB-262, Dept. of Civil and Coastal Engineering, UF, August 1999, 49 p.
4. Najafi, F.T., Aty, Mohamed, Lu, John, Eldeen, Sharaf, Jolibois, Sylvan, Guerrier, Jose, Merchant, Shabana, Vittetta, Brian, Pernia, Juan, Wey, Mathew, Ralph, Chris, and Pinapaka, Satya, “Identification and Classification of Typical Intersection Crash Patterns in Florida,” *1st Year Report*, FDOT, State Project No. 99700-3870-119, UF Project No. 4910450462112, WPI No. 0510823, Contract No. BB-297, Dept. of Civil and Coastal Engineering, UF, Dec. 1998, 305 p.
5. Najafi, F.T., Habibi, M., Olmos, Agustin, Armstrong, Tim, Zable, Andrea, and Otoo, Eric, “Trend Analysis of Observed Utility Pole Crash Data and Probability-Based Predictive Model,” *Final Report*, FDOT, State Project No. 99700-3500-010, UF Project No. 4910450456612, WPI No. 0510770, Contract No. BA-529, Dept. of Civil Engineering, UF, May 1998, 60 p. + appendices (total of 225 pages + video and software).

6. Najafi, F.T., Yao, Quan Yang, Blackadar, Brett, Lee, Juneyoung, Ruiz, Divinagrace M., and Ferraro, Christopher C., "Analysis of Weigh-In-Motion Truck Traffic Data to Determine Truck Damage Factors and Average Weights," *Final Report*, FDOT, State Project No. 99700-3307-010, UF Project No. 4910450452512, WPI No. 0510733, Contract No. B-9918, Dept. of Civil Engineering, UF, May 1997, 77 p.
7. Najafi, F. T., and Yao, Quan Yang, "Vehicle-Utility Pole Accident Predictive Model and Pole Relocation Prioritization Procedure," *Final Report*, FDOT, State Project No. 99700-3505-010, UF Project No. 4910450451012, WPI No. 0510547, Contract No. B-9532, Dept. of Civil Engineering, UF, August 1996, 78 p.
8. Najafi, F. T., and Nassar, Emil Fadi, "Cost-Benefit Matrix for Evaluation of Utility Corrective Measures," *Final Report*, FDOT, State Project No. 99700-7568-119, UF Project No. 4910450437212, WPI No. 0510547, Contract No. C-4104, Dept. of Civil Engineering, UF, December 15, 1993, 167 p.
9. Najafi, F.T., and Fu, Xiayou, "Development of an Automated Technique for Arterial Improvements (ATAI)," *Final Report*, FDOT, State Project No. 99700-7551-010, UF Project No. 4910450433112, WPI No. 0510596, Dept. of Civil Engineering, UF, December 1993, 40 p.
10. Najafi, F.T., and Fu, Xiayou, "Development of an Automated Technique for Arterial Improvements (ATAI)," *Users Manual*, FDOT, State Project No. 99700-7551-010, UF Project No. 4910450433112, WPI No. 0510596, Dept. of Civil Engineering, UF, December 1993, 50 p.
11. Najafi, F.T., and Fu, Xiayou, "Development of an Automated Technique for Arterial Improvements," *Program Code Listing*, FDOT, State Project No. 99700-7551-010, UF Project No. 4910450433112, WPI No. 0510596, Dept. of Civil Engineering, UF, December 1993, 132 p.
12. Najafi, F. T., Lalwani, Lalit, Peng, Chun-Li, Shehata, Hesham, Shanker, A.J., Meeske, Mark, Roessler, C. E., Noble, W., and Hintenlang, David E., "New House Evaluation of Potential Building Design and Construction for the Control of Radon in Marion and Alachua Counties, Florida," *Final Report*, Florida Department of Community Affairs, Contract #92RD-66-13-00-22-008, Dept. of Civil Engineering, UF, June 1993, 258 p.
13. Najafi, F. T., and Nassar, Emil Fadi, "Tort Liability Associated with Pole-Vehicle Accidents in Florida," *Final Report*, FDOT, State Project No. 99700-7553-010, UF Project No. 4910450433212, WPI No. 0510591, Dept. of Civil Engineering, UF, March 1993, 70 p.
14. Najafi, F. T., Baran, Murat, Fu, Xiaoyu, Prasad, Ananth, Salimi-Tari, Esfandiar, and Ducher, Jean, "Oil Spill Impact Assessments and Response Capabilities in South Florida," *Final Report*, Grant No. 90-016, UF Project No. 4910450431312, Dept. of Civil Engineering, UF, June 1991, 143 p.
15. Najafi, F. T., Nazef, Abdenour, Kumar, Ashish, Salimi-Tari, Esfandiar, and Nassar, Fadi E., "Accommodation of Longitudinal Utilities on Limited Access Right-of-Way," *Final Report*, FDOT, State Project No. 99700-7507-119, UF Project No. 4910450428512, Contract No. C-3303, Dept. of Civil Engineering, UF, April 1991, 100 p.
16. Najafi, F. T., Jacks, Charles, Naik, Sumanth M., and Hagen, Lawrence T., "Development of an Automated Technique for the Analysis of Improving Urban Signalized Intersections," *Final Report*, FDOT, State Project No. 99700-7485-010, UF Project No. 4910450424812, Report No. FL/DOT/RMC/382-89-90, WPI No. 0510465, Dept. of Civil Engineering, UF, December 1990, 48 p.
17. Najafi, F. T., Jacks, Charles, Naik, Sumanth M., and Hagen, Lawrence T., "Development of an Automated Technique for the Analysis of Improving Urban Signalized Intersections," *Users Manual*, FDOT, State Project No. 99700-7485-010, UF No. 4910450424812, Report No. FL/DOT/RMC/382-89-90, WPI No. 0510465, Dept. of Civil Engineering, UF, December 1990, 127 p.

18. Najafi, F. T., and Scherer, C. R., "Current Registration Practice of Heavy Construction Equipment," *Final Report*, Institute of Government, Project Number STAR-89-022, Dept. of Civil Engineering, UF, June 1990, 185 p.
19. Najafi, F. T., and Nazef, N., "Evaluation Procedure for Placement of Fiber Optic Telecommunication Systems Along the Right-of-Way of Transportation Facilities," *Final Report*, FDOT, State Project No. 99700-7435-119, Dept. of Civil Engineering, UF, December 1988, 150 p.
20. Najafi, F. T., and Nassar, F., "Analysis of Cost-Effectiveness of Highway Versus Transit Services," *Report*, FDOT, State No. 99700-7412-010, Dept. of Civil Engineering, UF, October 1988, 96 p.
21. Collier, C. A., Najafi, F. T., Nassar, F., and Ozgul, E., "Analysis of the Cost-Effectiveness for Urban Intersection Improvements," *Final Report*, FDOT, State No. 99700-7373-119, Dept. of Civil Engineering, UF, March 1988, 174 p.
22. Herbsman, Z. H., Coons, W. W., Najafi, F. T., and Jorge, J., "Methods of Determination of Construction Equipment Rental Rates for the State of Florida," *Final Report*, FDOT, State Project No. 99700-7372, WPI No. 0510371, Dept. of Civil Engineering, UF, March 1988, 163 p.

CONTRIBUTIONS TO BOOKS AND PROJECTS

Books

1. Dickey, J. W., Brothie, J. F., and Sharpe, R., *TOPAZ*, included Najafi's Master's thesis condensed as Chapter 9, "Regional Level Application of TOPAZ," Springer-Verlag, Berlin•Heidelberg, New York, 1981, 9.1-9.10.
2. Brothie, J. F., Dickey, J. W., and Sharpe, R., "Lecture Notes in Economics and Mathematical Systems," *TOPAZ* (Najafi was student contributor), Editors: M. Beckmann and H. P. Künzi, Springer-Verlag, Berlin•Heidelberg, New York, 1980, 356 p.
3. Dickey, J. W., *Metropolitan Transportation Planning*, McGraw-Hill, New York, 1975, 562 p. Entire artwork and graphics of this book prepared by F. T. Najafi. The author has provided a copy of the book to Dr. Najafi, along with his written acknowledgment of services (available upon request).

Others' Research Projects

1. Ruth, B. E., and Sigurjonsson, S., "Evaluation of Asphalt Paving Mixture's Shear Resistance Using the GTM," *Transportation Research Record 1259*, October 1990, 63-78, (paper also presented at the 69th Annual Meeting of the Transportation Research Board, January 1990).
2. Dickey, J. W., "Minimizing Water and Sewer System Costs Using TOPAZ," a publication of Virginia Water Resources Research Center, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, Bulletin 67, March 1974, 3-194.
3. Dickey, J. W., "Use of TOPAZ for Generating Land Use Schemes," *Highway Research Record No. 422*, National Research Council, National Academy of Sciences, 1973, 39-52.

MISCELLANEOUS PUBLICATIONS

1. Najafi, F. T., "A Dollar Figure for Inconvenience," News in Public Affairs, *University of Florida News & Public Affairs*, September 21, 1998.
2. Najafi, F. T., "Rich Creek and Glen Lyn Industrial Park, Giles County," New River Valley District Commission, Radford, Virginia, 1976, 15 p.
3. Najafi, F. T., "Corridor 'Q' Industrial Potential, Giles County," New River Valley District Commission, Radford, Virginia, Vol. 2, 1975, 95 p.

4. Najafi, F. T., "Corridor 'Q' Industrial Potential, Giles County," New River Valley District Commission, Radford, Virginia, Vol. 1, 1973, 46 p.

ORAL PRESENTATIONS AT PROFESSIONAL CONFERENCES AND MEETINGS

INTERNATIONAL

Invited International Presentations

1. "Introduction to UF Research Program and Graduate ESSIE School," and "Prestressed Concrete," at the Technische Universität Hamburg-Harburg, Hamburg, Germany, November 29, 2011.
2. "Civil Engineering Education at Juba University, South Sudan, and at the University of Florida," 2009 American Society for Engineering Education (ASEE) Global 8 Colloquium (October 12-15), Hungarian Academy of Sciences in Budapest Tech, Budapest, Hungary, October 12, 2009.
3. "Civil Engineering Education at Ragiv Gandhi Technical University and at the University of Florida," 2009 ASEE Global 8 Colloquium (October 12-15), Hungarian Academy of Sciences in Budapest Tech, Budapest, Hungary, October 12, 2009.
4. "Civil Engineering Education at the Rao University of Baroda, India, and at the University of Florida," 2009 ASEE Global 8 Colloquium (October 12-15), Hungarian Academy of Sciences in Budapest Tech, Budapest, Hungary, October 12, 2009.
5. "Strategies for Successful Utility Relocation," 2005 Right-of-Way and Utility Conference (May 15-19), American Association of State Highway and Transportation Officials (AASHTO), Federal Highway Administration (FHWA), Austin Marriott at the Capitol, Austin, Texas, May 18, 2005.
6. "Development of Pontis User Cost Models for Florida," 8th International Bridge Management Conference, 'User and Life Cycle Cost Factors,' Transportation Research Board (TRB), National Research Council (NRC) in Cooperation with FHWA, U.S. Department of Transportation (USDOT), Renaissance Denver Hotel, Denver, CO, April 26, 1999.
7. "Cost-Benefit Highway Maintenance," 78th Annual Meeting of the TRB (January 10-14), National Academy of Sciences (NAS), TRB Committee A3C01, Committee on Maintenance and Operations Management, Marriott Hotel, Washington, DC, January 12, 1999.
8. "User Costs at Work Zone," 77th Annual Meeting of the TRB, NAS, Committee A3C04, Traffic Safety in Maintenance/Construction Operations, Wisconsin Room, Sheraton Hotel, Washington, DC, January 12, 1998.
9. "Radon Mitigation Systems in the Construction of Building Environments in Florida," 3rd International Symposium of the International Society for Preventive Oncology (ISPO), official relations with the World Health Organization, Cancer Detection and Prevention, Nice, France, October 28, 1996.
10. "Paying Equitably for Urban Congestion Through a National Road Pricing System," 74th Annual Meeting of the TRB, NAS, Sheraton Hotel, Washington, DC, January 25, 1995.
11. "Engineering Contribution to the Evolution of Management Practice," Qatar University, College of Engineering, Alumni Day, Doha, Qatar, November 3, 1993.
12. "Tort Liability Related to Utility Pole Accidents in Florida," 72nd Annual Meeting of the TRB, NAS, Omni Shoreham Hotel, Washington, DC, January 14, 1993.
13. "A Quattro-Pro Application in Value Engineering," 72nd Annual Meeting of the TRB, NAS, Omni Shoreham Hotel, Washington, DC, January 13, 1993.
14. "Economic Evaluation of Robots in Construction," Ninth International Symposium on Automation and Robotics in Construction, the Japan Industrial Robot Association (JIRA), Tokyo, Japan, June 4, 1992.
15. "Justification of High-Speed Rail in Florida," 70th Annual Meeting of the TRB, NAS, Committee A1E13, Intercity Rail Passenger Systems, Omni Shoreham Hotel, Washington, DC, January 15, 1991.
16. "Quick-Approach to Estimate the Law Enforcement Cost on Urban Roadway," 69th Annual Meeting of TRB, NAS, Sheraton, Washington, DC, January 8, 1990.

Other International Presentations

1. *Computerizing Architect-Client Communication Using Virtual Reality and Artificial Intelligence*, International Conference on Computing in Civil and Building Engineering (ICCCBE), ÉTS, Montréal, Québec, Canada, 25-28 August 2024.
2. *Community Developed Water Supply: A Case Study of a Sustainable Model in Hampstead*, St. Mary, Jamaica, 2025 ASEE Annual Conference and Exposition, Montreal, Quebec, Canada, June 22-25, 2025.
3. *"Highway Maintenance Strategy,"* Proceedings, International Road Federation (IRF), IRF Global R2T Conference 2024: Paving the Future of Roadways (December 10-13, 2024), Orlando, Florida.
4. *"Bridge Management System – A Case Study,"* International Road Federation (IRF), IRF Global R2T Conference 2024: Paving the Future of Roadways (December 10-13, 2024), Orlando, Florida.
5. *"Utilization of Flowable Fill in Highway Construction,"* International Road Federation (IRF), IRF Europe & Central Asia Regional Congress & XVIIth Bulgarian National Transport Infrastructure Conference, Plovdiv, Bulgaria, September 24-27, 2024.
6. *"Global Warming Impacts on the Environment Worldwide,"* the 5th IRF Asia-Pacific Regional Congress & 12th Malaysian Road Conference (MRC) & Exhibition 2024, November 5-7, 2024, Kuala Lumpur, Malaysia.
7. *Sustainable Cities using Renewable Energy: a Case Study of a Renewable City*, 2025 ASEE South East Conference, Mississippi State University, March 9-11, 2025.
8. *"Revolutionizing Engineering Education: The Impact of A.I. Tools on Student Learning,"* Proceedings, 2024 ASEE Annual Conference, The Future of Engineering Education, 2024 ASEE Annual Conference, June 23-26, 2024, Oregon Convention Center, Portland, OR, 2024.
9. *From Checklist to Lifestyle: Transforming Student IDPs into Growth Habits*, 2025 ASEE Annual Conference and Exposition, Montreal, Quebec, Canada, June 22-25, 2025.
10. *"In Depth Study of Work Zone Safety,"* Proceedings, 17th International Road Federation (IRF) World Meeting & Exhibition (November 10-14), Riyadh, Saudi Arabia, November 2013.
11. *"Current Status of Traffic Congestion,"* Proceedings, 17th IRF World Meeting & Exhibition, Riyadh, Saudi Arabia, November 2013.
12. *"Glass Fiber Reinforced Polymer Reinforced Concrete Beam: Flexural Behavior and Design,"* Proceedings, 17th IRF World Meeting & Exhibition (November 10-14), Riyadh, Saudi Arabia, November 2013.
13. *"A Cost-Effective Methodology for Pedestrian Road Crossing for Developing Countries,"* Proceedings, 2013 American Society for Engineering Education (ASEE) Annual Conference (June 23-26), Atlanta, GA, Session T646, Paper #7673, June 25, 2013.
14. *"Introducing Freshmen Engineering Students to Civil Engineering at the University of Florida,"* Proceedings, 2013 ASEE Annual Conference (June 23-26), Atlanta, GA, Session T746, Paper #5926, June 25, 2013.
15. *"State-of-the-Art Methodology for Problem-Definition and Problem-Solving in Social Services,"* Proceedings, 2012 Fourth International Conference on Science in Society (November 17-19), University of California, Berkeley, 2012.
16. *"Utility Relocations Using Design Build Methodology along Highway Right-of-Way,"* Proceedings, Third International Conference on Construction in Developing Countries (ICCIDC), "Advancing Civil, Architectural and Construction Engineering & Management," (July 4-6), Bangkok, Thailand, Paper 30, ID 117, 2012.
17. *"Civil Engineering Education at the Anna University, India, and at the University of Florida,"* Proceedings, 2012 ASEE Annual Conference (June 10-13), San Antonio, TX, AC 2012-4620, 2012.
18. *"Civil Engineering Education at the Tongji University, China, and at the University of Florida,"* Proceedings, 2012 ASEE Annual Conference (June 10-13), San Antonio, TX, AC 2012-3447, 2012.
19. *"Cross Impact Analysis of Development of Orlando–Miami, Florida High Speed Rail after 20 Years Completion,"* Proceedings, 2012 American Society of Mechanical Engineers (ASME) Verification and Validation Symposium (VVS) (May 2-4), Las Vegas, NV, 2012.
20. *"Comparison of Oil Spill Contingency Plan for Florida with Other International Communities,"* 90th Annual Meeting of Transportation Research Board (TRB) (January 23-27), National Academy of Sciences (NAS), Washington, D.C., Session 308, 2011.

21. "Determining Optimum Acceptance Sample Size: A Second Look," 90th Annual Meeting of TRB (January 23-27), NAS, Washington, D.C., Session 521, 2011.
22. "Performance Bond Benefit-Cost Analysis," 90th Annual Meeting of TRB (January 23-27), NAS, Washington, D.C., Session 292, 2011.
23. "State-of-the-Art Literature Review on In Situ Pipe Repairs and Durability," 90th Annual Meeting of TRB (January 23-27), NAS, Washington, D.C., Session 689, 2011.
24. "Sustainable Assessment of Recycled Concrete Aggregate Used in Highway Construction," 90th Annual Meeting of the TRB (January 23-27), NAS, Washington, D.C., Session 240, January 24, 2011.
25. "Academic Benefits of Engineers Without Borders Throughout the Globe," 2010 ASEE Annual Conference and Exposition (June 20-23), Louisville, KY, International Division Session 2562, June 22, 2010.
26. "An Overview of Civil Engineering to Freshman Engineering Students at the University of Florida," 2010 ASEE Annual Conference and Exposition (June 20-23), Louisville, KY, International Division Poster Session 2660, June 22, 2010.
27. "Bridge Maintenance Practices in the United States: Technical, Managerial and Inspection Approaches," 2010 ASEE Annual Conference and Exposition (June 20-23), Louisville, KY, International Division Poster Session 2660, June 22, 2010.
28. "Civil Engineering Curriculum at the Harbin Institute of Technology, China, and at the University of Florida," 2010 ASEE Annual Conference and Exposition (June 20-23), Louisville, KY, International Division Session 1460, June 21, 2010.
29. "Justification of Using Sludge as Energy to Generate Electricity," 25th International Conference on Solid Waste Technology and Management (ICSW 2010) (March 14-17), Philadelphia, PA, March 2010 (accepted for presentation)
30. "Performance of Graded Crushed Stone," 89th Annual Meeting of the TRB (January 10-14), NAS, Washington, D.C., Session 398, January 12, 2010.
31. "Pavement Maintenance Method Effect on Reducing Cost and Prolonging Service Life of Roadway Pavement: Discussion and Case Studies," 89th Annual Meeting of the Transportation Research Board (TRB), (January 10-14), National Academy of Sciences (NAS), Washington, D.C., Session 207, January 11, 2010.
32. "The Real-World Advantages and Disadvantages of Permeable Pavement as Roadways," Fourth International Conference on Interdisciplinary Social Sciences (July 8-11), Presented by representative Dr. S. Vidalis, University of Athens, Athens, Greece, July 2009.
33. "Modern Analysis of Bike Sharing Feasibility," Fourth International Conference on Interdisciplinary Social Sciences (July 8-11), Presented by representative Dr. S. Vidalis, University of Athens, Athens, Greece, July 2009.
34. "Effective Environmental Policy toward Reducing Greenhouse Gas Emissions Produced from Transportation," Fourth International Conference on Interdisciplinary Social Sciences (July 8-11), Presented by representative Dr. S. Vidalis, University of Athens, Athens, Greece, July 2009.
35. "Automated Enforcement: Barriers to Implementation and Possible Effects," Fourth International Conference on Interdisciplinary Social Sciences (July 8-11), Presented by representative Dr. S. Vidalis, University of Athens, Athens, Greece, July 2009
36. "Civil Engineering Education at the Maharaja Sayaji Rao University of Baroda, India, and at the University of Florida," 2009 American Society for Engineering Education (ASEE) Annual Conference and Exposition (June 14-17), Austin, TX, International Division, Session on Engineering Education in India, Central and Eastern Asia, June 16, 2009
37. "Civil Engineering Education at the Rajiv Gandhi Technical University, India, and at the University of Florida," *Proceedings*, 2009 ASEE Annual Conference and Exposition (June 14-17), Austin, TX, International Division, Session on Engineering Education in India, Central and Eastern Asia, June 16, 2009.
38. "Civil Engineering Introduction to Freshman Engineers," 2009 ASEE Annual Conference and Exposition (June 14-17), Austin, TX, International Division, Session on Case Studies and Engineering Education Around the Globe, June 16, 2009
39. "Oil Spill Contingency Plans for Malaysia, Florida, and Qatar," 2009 ASEE Annual Conference and Exposition (June 14-17), Austin, TX, International Division, Poster Session, June 16, 2009

40. "Civil Engineering Education at Juba University, South Sudan, and University of Florida," *Proceedings*, 2009 ASEE Annual Conference and Exposition (June 14-17), Austin, TX, International Division, Session on Engineering Education in Africa, Asia, and the Middle East Region, June 15, 2009.
41. "Strategies to Prevent Existing Bridges from Becoming Structurally Deficient or Functionally Obsolete," Technical University, Hamburg, Germany, February 19, 2009.
42. "Cost-Effective Highway Pavement Maintenance Management," The Third International Conference on Design Principles and Practices (February 15-17), The Technical University, Berlin, Germany, February 17, 2009.
43. "Municipal Solid Waste Management Practices Globally Adaptable for Sustainable Development in Growing Developing Communities," 2008 ASEE Annual Conference & Exposition (June 22-25), Pittsburgh, PA, International Division Poster Session, June 25, 2008.
44. "A Global Model for Higher Educational Institutions to Increase the Enrollment of Minority and International Students," *Proceedings*, 2008 ASEE Annual Conference and Exposition (June 22-25), Pittsburgh, PA, International Division, Session on Global Engineering in an Interconnected World, June 25, 2008.
45. "Effect of Accelerating Admixture on Flowable Fill Strength," 87th Annual Meeting of the Transportation Research Board (TRB) (January 13-17), National Academy of Sciences (NAS), Washington, D.C., Innovative Concrete Materials Solutions, Poster Session 239, Paper #08-2005, January 14, 2008.
46. "Dual or Combined Degree Programs at University Level," 2006 ASEE Annual Conference & Exposition (June 18-21), Chicago, IL, Civil Engineering Division, Session 2199, June 2006
47. "A Global Model to Assist Higher Educational Institutions to Increase Minority Enrollment," 2006 ASEE Annual Conference & Exposition (June 18-21), Chicago, IL, International Division, Session 2660, June 2006
48. "A Comparison of TA's Activities Between University of Florida and Universidad Catolica Del Norte Chile," 2006 ASEE Annual Conference & Exposition (June 18-21), Chicago, IL, International Division, Session 2661, June 2006.
49. "Assessment of Flowable Fill Strength in Pavement Construction," 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-1884, January 2006
50. "Design-Build Approach for Utility Relocations in Highway Right-of-Way," 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-0816, January 2006.
51. "Strategies for Utility Relocation in Highway Right-of-Way," 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-0819, January 2006
52. "Survey of Utility Companies in Assessing Utility Relocation and Joint Use in Highway Right-of-Way," 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-0984, January 2006.
53. "Updates on Testing, Funding, Industry Application, and Availability of Chemical Agent Material Sensor Technologies for Use in Transportation Security," 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-0819, January 2006.
54. "Probabilistic Procedure for Analyzing Construction Pay Adjustment Systems," 2006 Compendium of Papers CD-ROM, 85th Annual Meeting of the TRB (January 22-26), NAS, Washington, D.C., Paper #06-1369, January 2006.
55. "Complementary Courses: the Public Works Management for Civil Engineers and the Entrepreneurship for Engineers, at the University of Florida," 2005 ASEE Annual Conference and Exhibition (June 12-15), Portland, Oregon, International/Global Division, June 14, 2005.
56. "Current Status of Elderly Drivers and Concurrent Statistics in the United States of America," 2005 ASEE Annual Conference and Exposition (June 12-15), Portland, Oregon, Educational Methods Division, June 15, 2005
57. "Introducing Practical County and City Management to Undergraduate Students through the Course 'Public Works Engineering and Management'," 2005 ASEE Annual Conference and Exposition (June 12-15), Portland, Oregon, International/Global Division, June 14, 2005.

58. "Justification of Using Sludge as Energy to Generate Electricity," 2005 ASEE Annual Conference and Exposition (June 12-15), Portland, Oregon, Educational Methods Division, June 15, 2005.
59. "Professional and Educational Mentoring: Opening Doors to Development and Growth," 2005 ASEE Annual Conference and Exposition (June 12-15), Portland, Oregon, Educational Methods Division, June 15, 2005.
60. "Management Strategies for Utility Relocation and Joint Use in Highway Right-of-Way," Session AFB70, 84th Annual Meeting of the TRB (January 9-13), NRC, Omni Shoreham Hotel, Washington, DC, Paper #05-0732, January 2005.
61. "Accreditation of Civil Engineering Programs at the University of Florida and the Universidad of Catolica del Norte, Chile," 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 3660, June 23, 2004.
62. "Civil Engineering Curriculum at the University of Florida and the National Autonomous University of Honduras," 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 2160, #612, June 22, 2004.
63. "An Institutional Diversity Model," 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 1793, #P131, June 21, 2004.
64. "Industrial Engineering Education at the University of Florida and the NED University, Pakistan," 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 1660, June 21, 2004.
65. "Professional Engineering Development Program at the County Level: Setting Higher Standards for Engineering Practice," 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 1460, #2243, June 21, 2004.
66. "Technology-Based Distance Learning at the University of Florida, College of Engineering-Graduate Engineering Education on Demand," 2004 ASEE Annual Conference and Exposition (June 20-23), Salt Lake City, Utah, International Division, Session 1793, #P16, June 21, 2004.
67. "An In-depth Evaluation and Analysis of Traffic and Work Zones During Highway Construction," 2004 CSCE 32nd Annual Conference (June 2-5), Saskatoon, SK, Canada, TR-141, 2004.
68. "Evaluation of the Implementation of Modern Roundabouts in Small and Medium-Sized Cities," 2004 CSCE 32nd Annual Conference (June 2-5), Saskatoon, SK, Canada, TR-184, 2004.
69. "The Use of Nondestructive Test Methods in Concrete Materials for Evaluation and Monitoring of Infrastructure," 2004 CSCE 32nd Annual Conference (June 2-5), Saskatoon, SK, Canada, ST-81, 2004.
70. "Multidisciplinary Academic Demonstration of a Biomass Alliance with Natural Gas," International Conference on Engineering Education, Univ. of Florida, Reitz Union, Gainesville, Oct. 19, 2004.
71. "Effect of Integration of Handheld Computers, Global Positioning System Devices, and Geographic Information System on Efficiency of Construction Management Duties," Session 560, 83rd Annual Meeting of the Transportation Research Board (TRB) (January 11-15), National Research Council (NRC), Marriott Hotel, Washington, DC, Paper #04-3810, January 13, 2004.
72. "Comparison of Chemical Agent and Toxic Industrial Material Sensor Technologies for Uses in Transportation Security," Session 537, 83rd Annual Meeting of the TRB (January 11-15), NRC, Omni Shoreham Hotel, Washington, DC, Paper #04-4323, January 13, 2004.
73. "A Comparison of the Curriculum of Civil Engineering at the University of Florida and the University of Engineering and Technology, Lahore, Pakistan," 2003 ASEE Annual Conference and Exposition (June 22-25), Paper #226, International Division, Session 3160, Nashville, Tennessee, June 25, 2003.
74. "An Institutional Assessment Process in Recruiting, Retention, Orientation, and Placement," 2003 ASEE Annual Conference and Exposition (June 22-25), Paper #204, International Division, Session 3560, Nashville, Tennessee, June 25, 2003.
75. "Graduate Study in Public Works Engineering and Public Works Management," 2003 ASEE Annual Conference and Exposition (June 22-25), Paper #1293, International Division, Session 3260, Nashville, Tennessee, June 25, 2003.
76. "A Comparison of Civil Engineering Curriculum at the University of Florida and the Catholic University of the North, Chile," 2003 ASEE Annual Conference and Exposition (June 22-25), Paper #243, International Division, Session 2160, Nashville, Tennessee, June 24, 2003.

77. "Civil Engineering Curriculum at the University of Florida and the Mahanakorn University of Technology, Thailand," 2003 ASEE Annual Conference and Exposition (June 22-25), Paper #132, International Division, Session 2160, Nashville, Tennessee, June 24, 2003.
78. "Seismic Vulnerability in Infrastructure," 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, GCB-129, June 2003.
79. "Long Term Effect of Pavement Management System and Preventive Maintenance on the Highway System in Developing Countries," 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, GCG-128, June 2003.
80. "The Current Status of Bridge Management Systems," 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, GCG-285, June 2003.
81. "Effective Use of Preventive Maintenance When Applied to Highway Systems Through Asset Management," 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, GCG-309, June 2003.
82. "Web-Based Integration of Pavement Management Systems (PMS) and Geographic Information Systems (GIS)," 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, GCI-131, June 2003.
83. "Overview of Trenchless Technology Systems Used for Pipe Installation, Replacement and Renovations," 2003 CSCE 31st Annual Conference, General Conference (June 4-7), Moncton, New Brunswick, Canada, GCP-198, June 2003.
84. "A Comparison of Civil Engineering Teaching at the University of Florida and the Catholic University of North, Chile," 2003 American Society for Engineering Education, Southeastern Section (ASEE-SE) Annual Conference, Crown Plaza, Macon, GA, Technical Session Instructional Division, April 8, 2003.
85. "Civil Engineering Teaching Methods at the University of Florida and the Mahanakorn University of Technology in Thailand," 2003 ASEE-SE Annual Conference, Crown Plaza, Macon, GA, Technical Session Instructional Division, April 8, 2003.
86. "Increasing the Diversity in Engineering Education," 2003 ASEE-SE Annual Conference, Crown Plaza, Macon, GA, Technical Session Instructional Division, April 8, 2003.
87. "Using State-of-the-Art Technology in Enhancing International Engineering Education," 2003 ASEE-SE Annual Conference, Crown Plaza, Macon, GA, Technical Session Instructional Division, April 7, 2003.
88. "Visual Construction Information System to Retrieve Necessary Construction Data for Typical Midsize Construction Project," Poster Session for 2003 TRB 82nd Annual Meeting, National Research Council (NRC), "Recent Progress in Information and Communications Technology Applications in Transportation," Hilton Exhibit Hall, HP-11, Washington, DC, January 15, 2003.
89. "A Study of Civil Engineering Education at Singapore Nanyang Technological University and at the University of Florida," 2002 American Society for Engineering Education (ASEE) Annual Conference and Exposition (June 16-19), Paper #1215, International Division, Session 3160, Montréal, Quebec, Canada, June 19, 2002.
90. "Graduate Study in Public Works Engineering and Management at the University of Florida," 2002 ASEE Annual Conference and Exposition (June 16-19), Paper #1261, International Division, Session 3615, Montréal, Quebec, Canada, June 19, 2002.
91. "Comparison of Civil Engineering Curriculum at the University of Florida and the National University of Science and Technology, Pakistan," 2002 ASEE Annual Conference and Exposition (June 16-19), Paper #1211, International Division, Session 2160, Montréal, Quebec, Canada, June 18, 2002.
92. "Innovative Teaching Methods in Flexible Pavements," 2002 ASEE Annual Conference and Exposition (June 16-19), Paper #1599, Civil Engineering Division, Session 1615, Montréal, Quebec, Canada, June 17, 2002.
93. "Cost and Time Overruns in Highway Construction," 2002 Canadian Society for Civil Engineering (CSCE) 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), TR-152, Montréal, Quebec, Canada, June 7, 2002.
94. "Current Status of the Development and Use of Portland Cement Concrete Performance Related Specifications," 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), TR-133, Montréal, Quebec, Canada, June 7, 2002.

95. "Current Status of Traffic Management at Workzones," 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), TR-163, Montréal, Quebec, Canada, June 7, 2002.
96. "The Disposal of Used Oil, Spilled Crude Oils and Their Associated Sorbent Materials," 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), TR-141, Montréal, Quebec, Canada, June 7, 2002.
97. "Visual Pattern Database (ViPD): New Understanding of the Sequences in Design and Construction," 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), TR-154, Montréal, Quebec, Canada, June 7, 2002.
98. "Current Status of Accelerated Flowable Fill in the Pavement Section," 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), TR-101, Montréal, Quebec, Canada, June 6, 2002.
99. "The Current Status of Roundabouts," 2002 CSCE 30th Annual Conference, 4th Transportation Specialty Conference (June 5-8), TR-110, Montréal, Quebec, Canada, June 6, 2002.
100. "Methods of Application and Bonding Strengths of Thermoplastic Pavement Markings: Comparison Between Concrete and Asphalt Roadway Surfaces," Committee A3C12 on Signing and Marking Materials, 81st Annual Meeting of the TRB (January 13-17), NRC, Marriott Hotel, Washington, DC, January 16, 2002.
101. "Procedure for Monitoring and Improving Effectiveness of Quality Assurance Specifications," 81st Annual Meeting of the TRB (January 13-17), NRC, Marriott Hotel, Washington, DC, January 16, 2002.
102. "Oil Spill Contingency Plan and Response Capabilities in Malaysia and South Florida," 81st Annual Meeting of the TRB (January 13-17), NRC, Hilton, Monroe West, Washington, DC, January 15, 2002.
103. "Haiti: An Emergency Call to Rehabilitate Its Transportation," 2nd International Symposium on Public Works Infrastructure (July 29-August 1), Auburn University, Auburn, Alabama, July 30, 2001.
104. "Public Benefits of Highway System Maintenance and Operations," 2nd International Symposium on Public Works Infrastructure (July 29-August 1), Auburn University, Auburn, Alabama, July 30, 2001.
105. "Down Town People Mover Evolution in the Past Ten Years," Eighth International Conference on Automated People Movers (APM), American Society of Civil Engineers (ASCE), APM 2001 Moving Through the Millennium (July 8-11), Hyatt Regency, San Francisco, California, July 9, 2001.
106. "Funding Sources for Research and Scholarship," 2001 ASEE Annual Conference and Exposition (June 24-27), Paper #143, International Division, Session 1360, Albuquerque, NM, June 25, 2001.
107. "International Partnership in Engineering Education," 2001 ASEE Annual Conference and Exhibition (June 24-27), Paper #1276, International Division, Session 2560, Albuquerque, NM, June 26, 2001.
108. "Internet Protocols for Delivery of E-learning," 2001 ASEE Annual Conference and Exposition (June 24-27), Paper #332, International Division, Session 2793, Albuquerque, NM, June 26, 2001.
109. "Using Internet Sources to Enhance Student Communication," 2001 ASEE Annual Conference and Exposition (June 24-27), Paper #140, International Division, Session 2660, Albuquerque, NM, June 26, 2001.
110. "An Analysis of Design-Build Contracts," 2001 Canadian Society for Civil Engineering (CSCE) 29th Annual Conference (May 30-June 2), Victoria Conference Center, Victoria, BC, Canada, Session C3, May 31, 2001.
111. "Horizontal Directional Drilling Versus Open Cut Trenching: A Comparison of Costs, Schedules and Problems Encountered," 2001 CSCE 29th Annual Conference (May 30-June 2), Victoria Conference Center, Victoria, BC, Canada, Session C1, May 31, 2001.
112. "Justification of High-Speed Rail in Florida," 2001 CSCE 29th Annual Conference (May 30-June 2), Victoria Conference Center, Victoria, BC, Canada, Session A27, June 2, 2001.
113. "Problem of Current Quality Assurance Construction Specifications for Hot-Mix Asphalt Construction," 2001 CSCE 29th Annual Conference (May 30-June 2), Victoria Conference Center, Victoria, BC, Canada, Session C12, June 1, 2001.
114. "Utilization of Web-Based Computer Aided Design in the Construction Industry," 2001 CSCE 29th Annual Conference (May 30-June 2), Victoria Conference Center, Victoria, BC, Canada, Session C9, June 1, 2001.

115. "Cost-Benefit Highway Pavement Maintenance (CBHPM)," 80th Annual Meeting of the TRB, No. 169 Pavement Preservation (Jan 7-11), NRC, Marriott Hotel, Washington, DC, January 9, 2001.
116. "An Internet- and Windows-Based Approach to Distance Learning," 2000 ASEE Annual Conference, Engineering Education Beyond the Millennium, Session 3430, Technology in Education (Jun 18-21), St. Louis, Missouri, June 21, 2000.
117. "Application of Advanced Composites to Highway Infrastructure," 2000 Canadian Society for Civil Engineering (CSCE) Annual Conference, 3rd Transportation Specialty Conference (Jun 7-10), London, Ontario, Canada, June 9, 2000.
118. "Variable Speed Limit Implementation," 2000 CSCE Annual Conference, 3rd Transportation Specialty Conference (Jun 7-10), London, Ontario, Canada, June 9, 2000.
119. "User Cost Models for Bridge Management Systems," 79th Annual Meeting of the TRB (Jan 9-13), Marriott Hotel, Washington, DC, January 11, 2000.
120. "Analysis of Weigh-in-Motion Truck Traffic Data at Various Florida Sites," 1999 Advances in Structural Engineering and Mechanics (ASEM) First International Conference (August 23-25), Seoul, Korea, August 23, 1999.
121. "Effective Educational Delivery Tools Using Multi-Media and Distance Learning," 1999 ASEE Annual Conference, Charlotte, NC, June 23, 1999.
122. "Alleviating Traffic in Two Congested Highway Corridors with High-Speed Rail," 27th CSCE Annual Conference, Regina, Saskatchewan, Canada, June 4, 1999.
123. "Cost-Benefit of Highway Maintenance," 27th CSCE Annual Conference, Regina, Saskatchewan, Canada, June 3, 1999.
124. "Delay Claims and Use of CPM," 27th CSCE Annual Conference, Regina, Saskatchewan, Canada, June 3, 1999.
125. "A Survey of Pavement Management Status in Florida," 27th CSCE Annual Conference, Regina, Saskatchewan, Canada, June 3, 1999.
126. "User Costs at the Work Zone," 78th Annual Meeting of the TRB, NAS, Session #360, Predicting Traffic Flow Parameters and Associated Costs at Work Zones, Marriott Hotel, Washington, DC, January 13, 1999.
127. "Public Works Management Practices for Undergraduate Students," 1998 ASEE Annual Conference, Session #1260, Seattle, WA, June 29, 1998.
128. "Analyzing the Ability to Evaluate Bridge User Costs Between Two Existing Models," 2nd Transportation Specialty Conference of the CSCE, Halifax, Nova Scotia, Canada, June 11, 1998.
129. "Application of the Computer in Highway Construction Projects," 2nd Transportation Specialty Conference of the CSCE, Halifax, Nova Scotia, Canada, June 12, 1998.
130. "Bicycle Transportation Works in the City of Gainesville," 2nd Transportation Specialty Conference of the CSCE, Halifax, Nova Scotia, Canada, June 11, 1998.
131. "Cost Analysis of Utility Pole Countermeasures," 2nd Transportation Specialty Conference of the CSCE, Halifax, Nova Scotia, Canada, June 13, 1998.
132. "Crash Profile Studies of Various Intersections," 2nd Transportation Specialty Conference of the CSCE, Halifax, Nova Scotia, Canada, June 13, 1998.
133. "Pavement Management Practiced in Florida," 2nd Transportation Specialty Conference of the CSCE, Halifax, Nova Scotia, Canada, June 12, 1998.
134. "Statistical Analysis of Truck Weights at Various Weigh-in-Motion Sites in Florida," 2nd Transportation Specialty Conference of the CSCE, Halifax, Nova Scotia, Canada, June 13, 1998.
135. "Oil Spill Response Systems of South Florida and the Country of Qatar," TRB ID # 98-0394, Session No. 14, 77th Annual Meeting of TRB, NAS, Committee A3C10, Holmes Room, Sheraton Hotel, Washington, DC, January 12, 1998.
136. "Current Practice in Improving Intersections," 25th CSCE Annual Conference, Sherbrooke, Quebec, Canada, May 30, 1997.
137. "Florida Intercity High Speed Rail," 25th CSCE Annual Conference, Sherbrooke, Quebec, Canada, May 29, 1997.
138. "Financial Risk Management Using Program Evaluation Review Technique," 25th CSCE Annual Conference, Sherbrooke, Quebec, Canada, May 29, 1997.
139. "Feeder Bus for Downtown People Mover," 25th CSCE Annual Conference, Sherbrooke, Quebec, Canada, May 29, 1997.

140. "Recycling Collection System in Alachua County, Florida," 25th CSCE Annual Conference, Sherbrooke, Quebec, Canada, May 28, 1997.
141. "Medical Waste Management," 25th CSCE Annual Conference, Sherbrooke, Quebec, Canada, May 28, 1997.
142. "Analysis of Weigh-in-Motion Truck Traffic Data to Determine Truck Damage Factors," TRB ID #97-1344, 76th Annual Meeting of the TRB, NAS, Sheraton Hotel, Washington, DC, January 14, 1997.
143. "Experimental Investigation of Soil Water Content Effects on In-Situ Soil-Gas Radon Testing before Construction," 1996 International Radon Symposium of the American Association of Radon Scientists and Technologists, Haines City, Florida, October 1, 1996.
144. "The Context of Change in Engineering Curriculum," 1996 ASEE Annual Conference, Washington, DC, June 26, 1996.
145. "Technology Transfer: Key to Progress," 1996 ASEE Annual Conference, Washington, DC, June 25, 1996.
146. "The Future of Virtual Reality in Simulating Construction Operations," 1996 ASEE Annual Conference, Washington, DC, June 24, 1996.
147. "Utility Pole Accident Prediction and Countermeasure Method," 1st Transportation Conference of the CSCE, Edmonton, Alberta, Canada, June 1, 1996.
148. "Applications of Virtual Reality to Intelligent Transportation Systems (ITS): An Inexpensive PC-based Solution," 1st Transportation Conference of the CSCE, Edmonton, Alberta, Canada, May 31, 1996.
149. "Cost-Benefit Based Roadway Network Improvement," 1st Transportation Conference of the CSCE, Edmonton, Alberta, Canada, May 31, 1996.
150. "A Spreadsheet Application for the Evaluation Phase in the Value Engineering Process," 1st Transportation Conference of the CSCE, Edmonton, Alberta, Canada, May 31, 1996.
151. "Traffic Characteristics and Proposed Improvement Schemes for a Roundabout Within an Arterial Road," 1st Transportation Conference of the CSCE, Edmonton, Alberta, Canada, May 31, 1996.
152. "Oil Price Shocks on Transportation Sector's Oil Consumption and Economic Growth Across OECD Nations," 1st Transportation Conference of the CSCE, Edmonton, Alberta, Canada, May 30, 1996.
153. "Utility Pole Accident Predictive Model by Dimensional Analysis," TRB ID #96-0331, 75th Annual Meeting of the TRB, NAS, Sheraton Hotel, Washington, DC, January 8, 1996.
154. "New Trends and Context for Change in Engineering Education," 1995 ASEE Annual Conference, Investing in the Future, Anaheim, California, June 26, 1995.
155. "Educational Status of Minorities in Engineering," 1993 ASEE Centennial and Annual Conference, Urbana, Champaign, Illinois, June 22, 1993.
156. "Existing Engineering Curriculum Dilemma," 1993 ASEE Centennial and Annual Conference, Urbana, Champaign, Illinois, June 21, 1993.
157. "Current Worldwide Status of Robotic Application in Construction," 72nd Annual Meeting of the TRB, NAS, Omni Shoreham Hotel, Washington, DC, January 14, 1993.
158. "Development of Simulation and Cost Models to Compare High Speed Rail and Maglev Systems," ASCE First International Conference on High Speed Ground Transportation (HSGT) Systems, Orlando, Florida, October 27, 1992.
159. "Engineering Education, What the Future Holds," 1992 ASEE Annual Conference, Toledo, Ohio, June 24, 1992.
160. "Oil Spill Response Capabilities in South Florida," 71st Annual Meeting of the TRB, NAS, Omni Shoreham Hotel, Washington, DC, January 14, 1992.
161. "Engineering Education, What the Future Holds," 1991 ASEE Annual Conference, New Orleans, June 18, 1991.
162. "Current Registration of Heavy Construction Equipment," 70th Annual Meeting of the TRB, NAS, Omni Shoreham Hotel, Washington, DC, January 17, 1991.
163. "Engineering Liability—An Issue of National and International Concern," 70th Annual Meeting of the TRB, NAS, Committee on Tort Liability and Risk Management, Sheraton Hotel, Washington, DC, January 14, 1991.
164. "Impact of Engineering Liability," 1990 CSCE Annual Conference, Hamilton, Ontario, Canada, May 17, 1990.
165. "Current Water Quality Policies and Issues," 1990 CSCE Annual Conference, Hamilton, Ontario, Canada, May 17, 1990.

166. "The Computer in the Construction Industry," 69th Annual Meeting of the TRB, NAS, Committee # A2F05, Construction Management, Sheraton, Washington, DC, January 9, 1990.
167. "Construction Quality Control: A Critical Review," 69th Annual Meeting of the TRB, NAS, Committee A2F03, Quality Assurance and Acceptance Procedures, Sheraton, Washington, DC, January 8, 1990.
168. "Location Alternative for Fiber Optic Telecommunication System Installation," 69th Annual Meeting of TRB, NAS, Committee #A1C01, Application of Economic Analysis to Transportation Problems, Sheraton, Washington, DC, January 8, 1990.
169. "A Computerized Sketch Planning Process for Urban Signalized Intersection Improvement," 69th Annual Meeting of TRB, NAS, Committee A3A03, Transportation System Management, Sheraton, Washington, DC, January 9, 1990.
170. "Current Survey of Computer Status in the U.S. Construction Industry," 69th Annual Meeting of TRB, NAS, Sheraton, Washington, DC, January 9, 1990.
171. "Cost-Effectiveness of Transit Versus Highways," 31st Annual Meeting of the Transportation Research Forum, Williamsburg Hilton and National Conference Center, Williamsburg, Virginia, October 12, 1989.
172. "Current Status of Weigh-In-Motion Technology in the U.S.," 31st Annual Meeting of the Transportation Research Forum, Williamsburg Hilton and National Conference Center, Williamsburg, Virginia, October 12, 1989.
173. "Quality Control: Owner and Contractor's Responsibilities," 1989 CSCE Annual Conference and the 9th Canadian Hydro Technical Conference, St. John's, Newfoundland, Canada, June 9, 1989.
174. "Evaluation Procedure for Placement of Fiber Optic Telecommunication Systems Along the Right-of-Way of Transportation Facilities," 68th Annual Meeting of the TRB, NAS, Committee #A2A07, Utilities, Sheraton, Washington, DC, January 26, 1989.
175. "Potential Application of Robotics in Transportation Engineering," 68th Annual Meeting of the TRB, NAS, Sheraton, Washington, DC, January 26, 1989.
176. "Quick-Response Approach to Compare Highway and Transit Alternatives Using the Arterial Analysis Package," 68th Annual Meeting of the TRB, NAS, Sheraton, Washington, DC, January 25, 1989.
177. "A Step-By-Step Procedure for Roadway Network Improvement Priority Setting," 68th Annual Meeting of the TRB, NAS, Sheraton, Washington, DC, January 24, 1989.
178. "A Sketch Planning Process for Urban Isolated Signalized Intersection Improvements," 67th Annual Meeting of the TRB, NAS, Sheraton, Washington, DC, January 12, 1988.
179. "The Cross Impact Analysis of a Proposed Railway," 60th Annual Meeting of the TRB, NAS, Shoreham, Washington, DC, January 16, 1981.

NATIONAL

Invited National Presentations

1. "Trends and Context for Change in Engineering Education," 1996 American Society for Engineering Education, Southeastern Section (ASEE-SE) Annual Conference, Gatlinburg, Tennessee, April 15, 1996. This paper became the recipient of the ASEE-SE Tom C. Evans Instructional Unit Award.
2. "Teaching/Learning—A Continuous Process," 1990 ASEE-SE Section Meeting, "Engineering Education: 20 Years—20 Years Hence," hosted by the University of North Carolina, Charlotte, NC, April 10, 1990.
3. "Robot Application for Field Operation in Construction," Second American Society of Civil Engineers (ASCE) Annual Eastern Technical and Career Conference, Society of Hispanic Professional Engineers, Omni Shoreham Hotel, Washington, DC, November 18, 1988.

Other National Presentations:

1. Cost-Reduction of Solar Power Plants by Utilizing Plant Byproducts, 2025 ASEE South East Conference, Mississippi State University, March 9-11, 2025.
2. A Comparative Analysis of Primavera P6 and Industry Alternatives for Construction Management and Scheduling, 2025 ASEE South East Conference, Mississippi State University, March 9-11, 2025.
3. AI-Assisted Grading – A Study on Efficiency and Fairness, 2025 ASEE South East Conference, Mississippi State University, March 9-11, 2025.
4. The Current Status of Feed-in-Tariffs and the Case Study of the Results of Solar Feed-in-Tariff in the City of Gainesville, Florida, 2025 ASEE South East Conference, Mississippi State University, March 9-11, 2025.
5. “Use of Sugar Cane Ash in the Production of Concrete: A Critical Review,” ASEE Zone 2, 2018 Spring Conference. Sponsored by Emory – Riddle Aeronautical University, March 4-6, 2018.
6. “Bridge and Operational Maintenance Training for Professionals and Asset Managers at the College Level,” American Society for Engineering Education–Southeast (ASEE–SE) Annual

- Conference (April 1-3), Mississippi State University, Starkville, Mississippi, Session T1-D, Paper No. 620, 2012.
7. "Civil Engineering in Mumbai University and University of Florida," ASEE-SE Annual Conference (April 1-3), Mississippi State University, Starkville, Mississippi, Session T1-D, Paper No. 545, 2012.\
 8. "Travel Behavior of Students Reaching Their Origin and Destination at the University of Florida," ASEE-SE Annual Conference (April 1-3), Mississippi State University, Starkville, Mississippi, Session T5-B, Paper No. 566, 2012.
 9. "A Viable Alternative: Fiber Reinforced Polymer," ASEE-SE Annual Conference (April 1-3), Mississippi State University, Starkville, Mississippi, Session T1-D, Paper No. 543, 2012.
 10. "Influential Factors of Helmet Use," ASEE-SE Annual Conference, The Citadel, Charleston, South Carolina, Session T2-C, Paper No. 171, April 11, 2011.
 11. "Introducing General Civil Engineering Concepts to Freshman Engineering Students," 2005 ASEE-SE Annual Conference (April 3-5), Chattanooga, TN, Civil Engineering Division, Session 5C, #208, April 5, 2005.
 12. "Practical Training in the Curriculum of the Civil Engineering Education," 2004 ASEE-SE Annual Conference (April 4-6), Auburn, AL, Civil Engineering Division, April 5, 2004.
 13. "New Civil Engineering Curriculum," 2004 ASEE-SE Annual Conference (April 4-6), Auburn, AL, Civil Engineering Division, April 5, 2004.
 14. "Civil Engineering Teaching Methods at the University of Florida and the Mahanakorn University of Technology in Thailand," 2003 ASEE-SE Annual Conference (April 6-8), Macon, GA, Technical Session Instructional Division, April 8, 2003.
 15. "A Comparison of Civil Engineering Teaching at the University of Florida and the Catholic University of North, Chile," 2003 ASEE-SE Annual Conference (April 6-8), Macon, GA, Technical Session Instructional Division, April 8, 2003.
 16. "Increasing the Diversity in Engineering Education," 2003 ASEE-SE Annual Conference (April 6-8), Macon, GA, Technical Session Instructional Division, April 8, 2003.
 17. "Using State-of-the-Art Technology in Enhancing International Engineering Education," 2003 ASEE-SE Annual Conference (April 6-8), Macon, GA, Technical Session Instructional Division, April 7, 2003.
 18. "Civil Engineering Teaching Methods in Nanyang Technological University of Singapore," 2002 ASEE-SE Annual Conference (April 7-9), Gainesville, FL, Technical Session Five, April 9, 2002.
 19. "Experiences in Teaching Complex Flexible Pavement Materials," 2002 ASEE-SE Annual Conference (April 7-9), Gainesville, FL, Technical Session One, April 8, 2002.
 20. "Instructional Methodology Comparison: University of Florida and the National University of Science and Technology, Pakistan," 2002 ASEE-SE Annual Conference (April 7-9), Gainesville, FL, Technical Session One, April 8, 2002.
 21. "Public Works Engineering Education through Setting Up an International Public Works Center at the University of Florida," 2002 ASEE-SE Annual Conference (April 7-9), Gainesville, FL, Technical Session Three, April 8, 2002.
 22. "Proven New Technology Transfer Initiatives Hasten Research Implementation," 2001 ASEE-SE Section Annual Conference (March 31-April 3), Charleston, SC, Technical Session, April 3, 2001.
 23. "A Beneficial Tool for Learning in College Level Courses," 2001 ASEE-SE Annual Conference (March 31-April 3), Charleston, SC, Technical Session, April 2, 2001.
 24. "Partnership in Engineering Education," 2001 ASEE-SE Section Annual Conference (March 31-April 3), Charleston, SC, Technical Session, April 2, 2001.
 25. "Student Skill-building Using Internet Resources," 2001 ASEE-SE Section Annual Conference (March 31-April 3), Charleston, SC, Technical Session, April 2, 2001.

26. "Applying for Research Funding," 2000 ASEE-SE Section Annual Conference (April 2-4), Roanoke, Virginia, April 4, 2000.
27. "Curriculum Study of Public Works Engineering and Management," 2000 ASEE-SE Section Annual Conference (April 2-4), Roanoke, Virginia, April 4, 2000.
28. "Industry/Government Participation in Engineering Education," 2000 ASEE-SE Section Annual Conference (April 2-4), Roanoke, Virginia, April 3, 2000.
29. "Effective Educational Delivery Tools Using Multi-Media and Distance Learning," 1999 ASEE Annual Meeting, Charlotte, North Carolina, June 20-23, 1999.
30. "Development of Pontis User Cost Models for Florida," 8th International Bridge Management Conference, "User and Life-Cycle Cost Factors," conducted by Transportation Research Board-National Research Council in cooperation with the Federal Highway Administration (TRB-FHWA), U.S. Department of Transportation, Denver, Colorado, April 26-28, 1999.
31. "Multi-Media and Electronic Means to Enhance Teaching Effectiveness and Delivery to On-Campus and Off-Campus Students," 1999 ASEE-SE Section Annual Conference, Clemson, South Carolina, April 12, 1999.
32. "Instructional Methodology in Engineering," 1998 ASEE-SE Section Annual Conference, Orlando, Florida, April 6, 1998. (Also acted as Instructional Unit-Moderator, Session 3, "Teaching Engineering to Cyber Children").
33. "Deterioration Mechanisms and Nondestructive Evaluation for Infrastructure Life-Cycle Analysis," ASCE Conference on Infrastructure Condition Assessment: Art, Science, and Practice sponsored by the Facilities Management Committee of the Urban Transportation Division of ASCE, Hyatt Regency, Boston, Massachusetts, August 27, 1997.
34. "Expert System Application in Construction for Preventing Radon Entry into Houses," Second ASCE National Congress for Computing in Civil Engineering, Atlanta Hilton & Tower Hotel, Atlanta, Georgia, June 8, 1995.
35. "Engineering Liability—An Issue of National and International Concern," 1992 ASEE-SE Region Annual Conference, Norfolk, Virginia, April 13, 1992.
36. "Legal Aspects of Computer Use and Measures of Software Quality and Verification," Seventh ASCE Conference on Computing in Civil Engineering and Symposium on Databases in Conjunction with A/E/C Systems 91, Ramada Renaissance, Washington, DC, May 6, 1991. "The Role of Computers in Engineering Education," 1991 ASEE-SE Section Meeting, Challenge 91, Challenges in Engineering Education, Charleston, South Carolina, April 15, 1991.
37. "Automated Technique Combines Program Evaluation and Review Technique with Critical Path Method to be Utilized by Small Firms and Minority Contractors," Sixth ASCE National Conference on Computing in Civil Engineering, Atlanta Hilton, Atlanta, Georgia, September 12, 1989.
38. "A Frame-Based System for Project-Team Selection," Sixth National Conference on Microcomputers in Civil Engineering, sponsored by University of Central Florida, College of Engineering, College of Extended Studies, and ASCE - Florida Section, East Central Florida Branch, Radisson Plaza Hotel, Orlando, Florida, November 9, 1988.

LOCAL

Invited Local Presentations

1. "What Engineering is All About," presentation to first-year engineering students, Ballroom, Reitz Union, UF, November 9, 2011.
2. "Afghanistan and Egypt," invited speaker, Hawthorne High School, Hawthorne, FL, Apr. 1, 2011.
3. "Afghanistan and Egypt," invited speaker for Westwood Middle School, Gainesville, Dec. 4, 2008.
4. "Egypt and Afghanistan," invited speaker for Westwood Middle School, Gainesville, Dec. 2007.

5. "Egypt and Afghanistan," invited speaker for Chiles Elementary School, Gainesville, Dec. 13, 2006.
6. "Egypt and Afghanistan," invited speaker for Westwood Middle School, Gainesville, Dec. 12, 2006.
7. "Afghanistan and the Middle East," invited speaker for Westwood Middle School, Gainesville, Jan. 6, 2006.
8. "Culture and Society: Egypt, Qatar and Afghanistan," invited speaker for Westwood Middle School, Gainesville, Dec. 16, 2004.
9. "Afghanistan and the Middle East," invited speaker for Archer Community School, Archer, Florida, May 6, 2004.
10. "A Road Map for a Successful Engineering Education," invited speaker for University of Florida Gator Engineering Outreach Program, Forest High School (Ocala, Florida), Reitz Union Grand Ballroom, Gainesville, Florida, February 3, 2004.
11. "Culture and Society: Egypt, Qatar and Afghanistan," invited speaker for Westwood Middle School, Gainesville, Dec. 16, 2003.
12. "The Book of Life," keynote speaker for National Society of Black Engineers (NSBE) Banquet, (invited by Mike Tasker), Holiday Inn West, Gainesville, April 22, 2003.
13. "How to Cope in Your College Life," lecture for STEPUP students (invited by Dr. Jonathan F. K. Earle, Assistant Dean, College of Engineering, UF), Florida Gymnasium, University of Florida, Gainesville, July 31, 2002.
14. "Historical Perspective on Afghanistan," lecture for U.S. Veterans Group, The Village Tower Club, Gainesville, Florida (invited by Dr. Alex E. Green, Graduate Research Professor and Director, Interdisciplinary Center for Aeronomy and (Other) Atmospheric Sciences, Mechanical Engineering, University of Florida), May 8, 2002.
15. "The Engineering Student's Role in Shaping the Future of the Nation's Infrastructure," Second Annual Regional Student Leadership Conference (April 5-7), Society of Hispanic Professional Engineers, (featured conference speaker), Sheraton Hotel, Gainesville, FL, April 5, 2002.
16. "Afghanistan, Where We Are and Where We Are Going," UF International Student Center, (invited by Ambassador and Dean Dennis Jett), Flint Building, Room 50, Gainesville, Florida, March 14, 2002.
17. "Middle Eastern Culture," Mebane Middle School, Gainesville, Florida, September 28, 2001.
18. "The Middle East," lecture for Alachua County School Board Teachers, J. J. Finley, ESOL, (invited by Ms. Sandy Lapell, School Board State Trainer), June 14, 2001.
19. "Middle Eastern Culture," Terwilliger Elementary School, Gainesville, Florida, May 11, 2001.
20. "Middle Eastern Culture, Economy and Society," five hours of presentation to different classes of 9th, 10th, 11th, and 12th graders at Hawthorne High School, Hawthorne, Florida, April 6, 2001.
21. "Middle Eastern Culture, Economy and Society," five hours of presentation to different classes of 2nd, 3rd, 4th, and 5th graders at Newberry Elementary School, Newberry, Florida, April 5, 2001.
22. "Ancient Egypt, Pyramids, Mummies, and Religion," five hours of presentation to different classes of 2nd, 3rd, 4th, and 5th graders at Wiles Elementary School, Gainesville, Florida, February 23, 2001.
23. "Pakistani Culture, Economy and Society," three hours of presentation to different classes of 6th, 7th, and 8th graders at Westwood Middle School, Gainesville, Florida, December 8, 2000.
24. "Your Future is Your Own Destiny," for American Society of Civil Engineers (ASCE) Student Chapter, UF, September 6, 2000.
25. "Engineering Education—A Crossroads to Success," for Summer 2000 Step-Up Program (program for first-year minority students entering UF College of Engineering), UF, July 10, 2000.
26. "Reflect, Rejuvenate and Rise," for National Society of Black Engineers, End-of-Year Awards Banquet, Baja Tortilla, Reitz Union, University of Florida, April 27, 2000.
27. "Engineering is a Challenging Profession," for University of Florida Gator Engineering Outreach Program, Coral Park High School (Coral Park, Florida), Holiday Inn West, Gainesville, Florida, April 12, 2000.

28. "Culture and Social Life in the Middle East," two-hour presentation to different classes of 6th graders at Westwood Middle School, Gainesville, FL, December 13, 1999.
29. "Journey to the New Horizons and Challenges Ahead," for Tau Beta Pi, Florida Alpha National Engineering Honor Society, Student Chapter, Fall 1999, Initiation Banquet, Ordand Room, J. Wayne Reitz Union, November 19, 1999.
30. "Best Time for Black Engineers to Enhance Their Education," Black Engineering Society (BES), University of Florida (UF), 328 Weil Hall, September 29, 1999.
31. "How to Be Academically Successful While You Are in College," for BES, UF, Room 320, Weil Hall, September 2, 1999.
32. "Being a Leader is Important to Your Professional Growth," for Hispanic Engineering Society (HES), UF, Room 328, Weil Hall, September 2, 1999.
33. "Culture and Social Life in Qatar and Other Neighboring Countries," 2-hr workshop lecture for Alachua County School Board teachers, Westwood Middle School, Gainesville, Florida, July 26, 1999.
34. "Teaching/Learning—A Continuous Process," (and other related topics) lecture for Alachua County School Board teachers, Lincoln School, Gainesville, Florida, (invited by Ms. Pat Shille, School Board State Trainer), July 26, 1999.
35. "College Life at the University of Florida," for Summer 1999 Step-Up Program (program for first-year minority students entering UF College of Engineering), UF, July 6, 1999.
36. "Being a Minority and Still Able to Succeed," for HES Banquet, University Center Hotel, Gainesville, Florida, April 3, 1999.
37. "You Can Count on Yourself," presentation to high school graduate potential engineers at Education Workshop: "Higher Education and Technology: Today's Investment for the New Millennium," for National Society of Black Engineers, UF, Reitz Union, February 6, 1999.
38. "Engineers as Leaders," for HES, UF, Room 270, Weil Hall, October 8, 1998.
39. "Urban Man," for ASCE Student Chapter, UF, Room 270, Weil Hall, September 2, 1998.
40. "Teaching/Learning—A Continuous Process," 2-hr workshop lecture for Alachua County School Board teachers, Fred Sivia Center, Gainesville, Florida, (invited by Ms. Pat Shille), July 23, 1998.
41. "How Minority Students Do at UF," for Summer 1998 Step-Up Program (program for first-year minority students entering UF College of Engineering), UF, July 8, 1998.
42. "Graduating Engineer, Launching a Stellar Career," for Tau Beta Pi, National Engineering Honor Society—Student Chapter, Radisson Hotel, Gainesville, Florida, November 14, 1997.
43. "Stress Management," for BES, College of Engineering, UF, Room 328, Weil Hall, November 5, 1997.
44. "High-Speed Rail Corridor," for ASCE South Florida Section Annual Meeting (September 18-20), Sheraton Sand Key Resort, Clearwater, Florida, Session C-5, September 19, 1997 (Also, moderator of Sessions A-1 through A-4, September 19, 1997).
45. "Skills Required in Management," for ASCE Student Chapter, Dept. of Civil Engineering, College of Engineering, UF, Room 270, Weil Hall, September 10, 1997.
46. "Your Role as a Member in the Hispanic Engineering Society," for the HES, College of Engineering, UF, Room 328, Weil Hall, September 4, 1997.
47. "College Success Stories," for University of Florida and Santa Fe Community College students and local citizens at The Presbyterian and Disciples of Christ Student Center, Gainesville, Florida, August 27, 1997.
48. "What is Engineering?" for Summer 1997 Step-Up Program (program for first-year minority students entering UF College of Engineering), UF, July 9, 1997.
49. "Teaching/Learning—A Continuous Process," lecture for teachers of Alachua County Schools, State Trainees, (invited by Ms. Pat Shille), Lincoln School, Gainesville, Florida, July 9, 1997.
50. "Teaching/Learning—A Continuous Process," lecture for University Center for Excellence in Teaching, UF, December 10, 1996.

51. "Oil Spill Response Capabilities in South Florida," seminar presented as one in a series of Engineering Seminars (March 1-5) for Department of Coastal and Oceanographic Engineering, UF, March 5, 1993.

Other Local Presentations

1. "Development of a Sarasota Infrastructure Rehabilitation Program (SIRP) in Sarasota County," *Proceedings*, 2013 American Society of Civil Engineers (ASCE) Florida Section Annual Conference (July 11-13), Sarasota, FL, Water Resources Technical Session, 2013.
2. "Downtown Street Reconstruction: A Case Study in Florida's Capital City," Conference of the American Public Works Association-Florida Chapter (APWA-FL), JEA, Jacksonville, Florida, March 26, 2002.
3. "Middle East-Culture and History" Newberry Elementary School, Newberry, Florida, January 24, 2002.
4. "Middle Eastern Culture-Afghanistan," Hawthorne High School, Hawthorne, Florida, March 22, 2002.
5. "Afghan Women During the Taliban," Law School Panel, Conference on Afghan Women, Conference Building, UF Law School, December 2001.
6. "Afghanistan Culture and People," Westwood Middle School, December 17, 2001.
7. "Abnormally High Intersection Crash Profile," for Annual ASCE South Florida Section Meeting, Celebrating a Century of Civil Engineering, Orlando, Florida, September 17, 1999.
8. "Optimum Highway Maintenance Using Cost-Benefit Methods," for Annual ASCE South Florida Section Meeting, Celebrating a Century of Civil Engineering, Orlando, Florida, September 17, 1999.
9. "Alleviating Traffic in Two Congested Highway Corridors with High-Speed Rail," for Annual American Public Works Conference, Embassy Suites, Ft. Lauderdale, Florida, May 21, 1999.
10. "A Survey of Ten Municipalities Pavement Management Status Existing in Florida," for Annual American Public Works Conference, Embassy Suites, Ft. Lauderdale, Florida, May 19, 1999.
11. "Bridge User Cost Savings," TV presentation on Channel 11, Gainesville, Florida, September 28, 1998.
12. "Frequency Analysis of Traffic Accidents Involving Utility Poles in Florida, Based on Observed Data," for ASCE Florida Section, Annual Meeting (September 17-19), Innovations in Civil Engineering, Holiday Inn West, Gainesville, Florida, September 18, 1998.
13. "Justification of a High-Speed Rail in Florida," for UF and Santa Fe Community College students and local citizens, The Presbyterian and Disciples of Christ Student Center, Gainesville, Florida, October 23, 1996.

14. "Communication, Essential to Engineers' Success," for BES, College of Engineering, UF, Room 328, Weil Hall, October 9, 1996.
15. "Justification of a High-Speed Rail System in Florida," for ASCE Florida Section Annual Meeting, The Business of Civil Engineers (September 12-14), The Hyatt, Sarasota, Florida, September 14, 1996.
16. "What a Leader Should Possess," for ASCE Student Chapter, College of Engineering, Department of Civil Engineering, UF, Room 270, Weil Hall, September 13, 1996.
17. "Hispanic Engineers on the Rise," for HES, College of Engineering, UF, Room 328, Weil Hall, September 13, 1996.
18. "Justification of a High-Speed Rail in Florida," for UF and Santa Fe Community College students and local citizens, The Presbyterian and Disciples of Christ Student Center, Gainesville, Florida, April 24, 1996.
19. "The Impact of Managing Your Time While in College," for HES, UF, Gainesville, April 22, 1995.
20. "English Channel Tunnel," for HES, UF, Gainesville, April 11, 1995.
21. "What is Engineering?" for high school students and teachers, Buchholz High School, Gainesville, Florida, February 14, 1995.
22. "English Channel Tunnel," for HES, UF, February 25, 1993.
23. "Oil Spill Response Capabilities," for ASCE Florida Section, Cocoa Beach, Florida, September 27, 1992.
24. "Justification of a High-Speed Rail System in Florida," for ASCE Florida Section, Annual Meeting (September 20-22), Edgewater Beach Resort, Panama City Beach, Florida, September 21, 1990.
25. "Land Policy to Alleviate Traffic Congestion," for ASCE Specialty Conference on Affordable Housing (December 6-8), A Challenge for Civil Engineers, Biscayne Bay Marriott Hotel & Marina, Miami, Florida, December 7, 1989.
26. "Current Practice in Improving Intersections," for ASCE Florida Section Annual Meeting, Technical Program (September 21-23), The Ocala Hilton, Ocala, Florida, September 22, 1989.

COURSES DEVELOPED

1. Developing a proposed course - Public Works Engineering and Management Practices (CGN 4600) - for the Department of Civil Engineering, University of Florida, July 1998 forward.
A 3-credit-hour elective undergraduate course in public works engineering and management practices to offer to junior or senior civil and environmental engineering students, which gives an overview of public works engineering infrastructure and various aspects of public works planning and management.
2. Developed two short courses for Qatar University, Continuing Education Committee, College of Engineering, Doha, Qatar, 1993-94:

Title of the Short Course	Date	Number of Participants
a) CVE-582 Construction Engineering and Management	Nov. 30 - Dec. 2, 1993	13
b) CVE-586 Public Works Planning and Management	Apr. 25 - 28, 1994	13

3. ECI 5196 - Public Works Management, Department of Civil Engineering, University of Florida, (Summer 1987).

A 3-credit-hour graduate course with objectives to introduce the nature of the public works profession, duties and responsibilities of the public works administrator, and organization and management of operating divisions.

4. CE 7301 - Urban and Regional Planning, Department of Civil Engineering, Villanova University, Villanova, Pennsylvania, (Summer 1981).

A 3-credit-hour graduate course with objectives to examine urban problems, the planning process, legal and administrative aspects, environmental and social impact of public works projects, and utilization of techniques to forecast the special consequences of various infrastructure development.

PROGRAM FOR PROFESSIONAL DEVELOPMENT

ATTENDANCE AT PROFESSIONAL ORGANIZATION MEETINGS & CONFERENCES

American Public Works Association (APWA):

Education Foundation, Utility Location and Coordination Seminar, Radisson Plaza Hotel, Orlando, Florida, June 6-7, 1988.

Education Foundation, Public Works Management Seminar, Hilton Hotel, Tampa, Florida, December 8-11, 1986.

Annual Meetings:

- 1991 - Tallahassee, Florida, May 14-18, 1991.

American Society of Civil Engineers (ASCE):

Second Congress on Computing in Civil Engineering, Atlanta Hilton Towers Hotel, Atlanta, GA, June 5-7, 1995.

First International Conference on High Speed Ground Transportation (HSGT) Systems, Orlando, FL, October 25-28, 1992.

Urban Transportation Division Committee meeting, Second International Conference on "Automated People Movers," Hyatt Regency, Miami, Florida, March 13-15, 1989.

Southeastern Regional Conference Meetings:

- 1996 - Knoxville, Tennessee, April 14-16 (UF Student Chapter)

Florida Section Annual Meetings:

- 1990 - Edgewater Beach Resort, Panama City Beach, Florida, September 20-22, 1990.
- 1989 - Technical Program, The Ocala Hilton, Ocala, Florida, September 21-23, 1989.

American Society for Engineering Education (ASEE):

Challenge '91 Program, "Challenges in Engineering Education," Charleston, South Carolina, April 1991.

Annual Conferences (ASEE):

- 2005 - Portland, Oregon, June 11-15.
- 2004 - Salt Lake City, Utah, June 20-23.
- 2003 - Nashville, Tennessee, June 21-26.
- 2002 - Montreal, Canada, June 15-19.
- 2001 - Albuquerque, New Mexico, June 24-27.
- 2000 - St. Louis, Missouri, June 18-21.
- 1999 - Charlotte, North Carolina, June 20-23.
- 1998 - Seattle, Washington, June 26-29.
- 1996 - Washington, DC, June 24-26.

- 1995 - Anaheim, California, June 23-26.
- 1993 - Urbana, Champaign, Illinois, June 19-23.
- 1992 - Toledo, Ohio, June 20-26.
- 1991 - New Orleans, Louisiana, June 16-19.

Southeastern Section (ASEE-SE) Conference Meetings:

- 2005 - Chattanooga, Tennessee, April 3 – 5.
- 2004 - Auburn, Alabama, April 4 – 6.
- 2003 - Macon, Georgia, April 5 – 8.
- 2002 - Gainesville, Florida, April 7 – 9.
- 2001 - Charleston, South Carolina, March 31 - April 3.
- 2000 - Roanoke, Virginia, April 2 – 4.
- 1999 - Clemson, South Carolina, April 11-14.
- 1998 - Orlando, Florida, April 5-7. (Reviewed three papers for Proceedings)
- 1996 - Gatlinburg, Tennessee, April 15. (Presented paper “New Trends and Context for Change in Engineering Education” (won Tom C. Evans Instructional Unit Award)
- 1990 - University of North Carolina, Charlotte, North Carolina, April 8-11.

American Society of Testing Materials (ASTM)

Annual Conferences:

- 1992 - Miami, Florida, October 1992.

Canadian Society for Civil Engineering (CSCE)

First Transportation Conference, Edmonton, Alberta, Canada, May 30-June 1, 1996.

Annual Conferences:

- 2005 - Toronto, Ontario, Canada, June 2-4.
- 2004 - Saskatoon, Saskatchewan, Canada, June 2-5.
- 2003 - Moncton, New Brunswick, Canada, June 4-7.
- 2002 - Montreal, Quebec, Canada, June 5-9.
- 2001 - Victoria, British Columbia, Canada, May 29-June 3.
- 2000 - London, Ontario, Canada, June 7-10.
- 1999 - Regina, Saskatchewan, Canada, June 2-4.
- 1998 - Halifax, Nova Scotia, Canada, June 11-14.
- 1997 - Sherbrooke, Quebec, Canada, May 28-30.
- 1996 - Edmonton, Alberta, Canada, May 30 - June 1.
- 1990 - Hamilton, Ontario, Canada, May 17.
- 1989 - (& 9th Canadian Hydro technical Conf.), St. John’s, Newfoundland, Canada, June 9.

International Road Federation:

- 2004 - Marriott Hotel, Washington, DC, January 12.
- 2003 - Marriott Hotel, Washington, DC, January 15.
- 2002 - Marriott Hotel, Annapolis, MD, August 14-16 (summer meeting).

Transportation Research Board (TRB):

8th International Bridge Management Conference, “User and Life Cycle Cost Factors,”
Renaissance Denver Hotel, Denver, Colorado, April 26, 1999.

Annual Meetings:

- 1977 to present - Washington, DC, each January.

Transportation Research Forum (TRF):

Annual Meetings:

- 1990 - Sheraton Hotel, Long Beach, California, October 9-12.
- 1989 - Williamsburg Hilton and National Conference Center, Williamsburg, Virginia, October 11-13.

Other organizations:

1. Faculty Recruitment and Diversity Workshop, University of Florida, Faculty Development, Gainesville, FL, November 2006.
2. SUCCEED and Gateway Coalitions Conference, Greensboro, NC, March 27-29, 2000.
3. First International Conference of Advances in Structural Engineering and Mechanics (ASEM), Seoul, Korea, August 23-24, 1999.
4. Third International Symposium of the International Society for Preventive Oncology (ISO), Nice, France, October 28, 1996.
5. International Radon Symposium of the American Association of Radon Scientists and Technologists, Haines City, Florida, October 1, 1996.
6. SUCCEED Conference, Roanoke, Virginia, February 28 - March 2, 1996.
7. Qatar General Petroleum Corporation (QGPC) Presentation Lecture, Dr. Mohammed Al Sada, Manager of Inspection and Environment, "Quality Control and Assurance" and several other titles, Doha, Qatar, Sheraton Hotel, April 3, 1994.
8. Ministry of Municipal Affairs and Agriculture Conference, GIS Section, "Geographic Information System (GIS) – What is it? And Why We Need It," Doha, Qatar, Sheraton Hotel, Jan 13, 1994.
9. Ninth International Symposium on Automation and Robotics in Construction, Japan Industrial Robot Association (JIRA), Tokyo, Japan, June 2-5, 1992.
10. Marine Oil and Chemical Spill Technology Conference, "A Look at National, Regional and Local Response Capabilities," Sea Grant College Program, Texas A&M University and Louisiana State University, Houston Hobby Airport Hilton Hotel, Houston, Texas, December 10-11, 1990.
11. International Public Works Congress and Equipment Show, Orange County Convention Center, Orlando, Florida, September 23-28, 1989.
12. Annual Conference and the Ninth Canadian Hydro Technical Conference, Hotel Newfoundland, Canada, St. John's, Newfoundland, June 8-10, 1989.
13. Census User Conference, U.S. Department of Commerce, Philadelphia, Pennsylvania, January 17, 1980.

ATTENDANCE AT COURSES, SEMINARS & WORKSHOPS

1. International Road Federation (IRF) Annual Conference, Washington, DC, March 24-28, 2001.
2. Teaching and Learning in the Engineering Classroom, the 2000 NSF/ASEE Visiting Scholars Program, Reitz Union Ballroom, Gainesville, Florida, September 15-16, 2000.
3. Teaching Workshop, UF Center for Excellence in Teaching Program, Reitz Union Ballroom, Gainesville, Florida, May 8, 2000.
4. Various computer seminars by the UF Faculty Support Center from June 12, 1995, to April 1996.
5. Southern University and College Coalition for Engineering Education Workshop, "Effective Teaching," sponsored by SUCCEED, University of Florida, May 26-27, 1995.
6. Technical seminars organized by the British Council at the Sheraton Hotel in Doha, Qatar. The presenters were from the United Kingdom, and the subject matter was steel corrosion, presented in January 1994.
7. National Center for Asphalt Technology (NACT) 1990 Professor Training Course, approved by the National Center for Asphalt Technology (NAPA) Education Foundation, Auburn University, Auburn, Alabama, June 11-22, 1990.
8. Advanced Florida Standard Urban Transportation Model Structure (FSUTMS) Training Seminar, Holiday Inn Hotel, Jacksonville, Florida, January 9-13, 1989.
9. Attended the following courses as a prospective instructor:
ECI 5157 Civil Engineering Feasibility Analysis (Spring 1987)
ECI 5166 Legal Aspects of Civil Engineering (Spring 1987)
ECI 5186 Public Works Planning (Fall 1986)
ECI 4131 Legal Aspects of Civil Engineering (Fall 1986)
10. Engineering-In-Training Review Course (EIT), Drexel University, Philadelphia, Pennsylvania, July 21-September 20, 1983.
11. Computer Graphics Workshop, Princeton University, Princeton, New Jersey, February 15-22, 1982.
12. Environmental Engineering Workshop, University of Virginia, Charlottesville, Virginia, March 24-30, 1974.
13. Regular monthly Industrial Development Seminars, State of Virginia Industrial Development Commission, Richmond, Virginia, 1972-76.

ATTENDANCE AT ENGINEERING-RELATED EXHIBITIONS, SHOWS, & DEMONSTRATIONS

1. A/E/C Systems '95 and EDMSM '95, The World's Largest Computer Applications Show for Design and Construction Professionals, Atlanta, GA, June 5-8, 1995.
2. Caterpillar Construction Equipment Show, Gainesville, Florida, May 5, 1989.

ATTENDANCE AT STATE AND COMMUNITY MEETINGS & FUNCTIONS

1. Florida Coordinated Council on Radon Protection, council meeting, State of Florida Department of Community Affairs, Tampa, Florida, February 3-4 and April 21-22, 1992; and March 22-24, 1993.
2. Voluntary Rental Inspection Program, Ribbon-Cutting Ceremony, City of Gainesville and Alachua County (City and County Commissioners were present at the ceremony, and UF President Lombardi delivered a speech), February 27, 1992.
3. Regular monthly meetings, Fiber Optic Task Force in Florida, Orlando, Florida, 1987-88.

ATTENDANCE AT ADMINISTRATIVE MEETINGS, PROGRAMS, & FUNCTIONS

1. UF Department of Civil & Coastal Engineering, meeting to develop future Department Mission for the CCE under Dr. Joe Tedesco, conducted by Kevin Schield, 363 Reitz Union, March 15-16, and April 26-28, 2001.
2. UF Mortar Board Faculty Dinner, accompanied student, Sam Muench, UF President Lombardi's home, March 27, 1996.
3. UF Center for Excellence in Teaching Program, "UCET Conversations about Teaching," Spring 1996, Dr. Patricia Craddock, J. Wayne Reitz Union, March 20, 1996.
4. UF EAC luncheon, February 23, 1996.
5. UF Minority Mentor quarterly meetings, 1995-present.
6. UF Civil Engineering Department Annual Alumni Reunion and BBQ, 1995-present.
7. UF Division of Sponsored Research (DSR) reception, organized by Dr. Lombardi and Dr. Holbrook at the Holloway Touchdown Terrace (DSR received \$200,000,000 in research during 1994-95), October 13, 1995.
8. Qatar University College Dean meetings and Roundtable discussions, presenting my views as deemed necessary, September 1993 - June 1994.
9. Qatar University Administration meetings concerning the initiation of the Scholar Exchange Program, with an Inter-Institutional Agreement Between the University of Florida and Qatar University, May 1994.
10. Qatar University Department and College farewell dinners for Dr. Mohamad H. El-Hadad and other faculty members, held on December 27, 1993, and January 17, 1994.
11. UF Community Campus Council monthly meetings, 1990-present.
12. UF Administrative meetings, Department of Civil & Coastal Engineering and College of Engineering, 1986-present.
13. UF guest speaker presentations, sponsored by the Department of Civil & Coastal Engineering and School of Building Construction, 1986-present.
14. UF meeting concerning "Establishment of the UF College of Natural Resources and Environment" with Provost A. A. Sorenson and J. M. Davidson, Vice President for Agriculture and Natural Resources, (I have proposed that "Public Works Planning" and "Public Works Management" courses become part of the college course curriculum), April 1991.

ATTENDANCE AT STUDENT GROUP MEETINGS, PROGRAMS & FUNCTIONS

1. Black History Month Program (initial invitation by UF National Society of Black Engineers, Student Chapter, J. Wayne Reitz Union Arredondo Room, February 20, 1996), annual attendance 1996-present.
2. Tau Beta Pi Annual Scholarship Breakfast, Arredondo Room, Reitz Union, Gainesville, April 9, 1996.
3. "Career Shadowing" Program (accompanied student, Bruce Ferris, from Hawthorne High School around campus and to lunch, and introduced him to college student life), February 14, 1996.
4. Program by ASCE Gainesville Branch honoring Professor Byron Spangler (ASCE and Florida Engineering Society (FES) also awarded me a gift as the "Most Considerate Professor in the Department of Civil Engineering"), Radisson Hotel, Gainesville, Florida, November 7, 1995.
5. New engineering facility reception, hosted by the Engineering Women's Club, University Center Hotel, October 26, 1995.

6. Qatar University student functions:
 - Attended presentations of six graduating Civil Engineering student projects (CVE-599, Civil Engineering) during September 1993 - June 1994.
 - Sewage Treatment System Field Trip, Doha, Qatar, December 1993.
 - Water Reuse Project Farm student field trips (along with Dr. Shamim and other faculty), managed by the Arab Qatari Dairy Company in Qatar, November 25, 1993.
7. ASCE Student Chapter monthly meetings, 1989-present.
8. Florida Engineering Society - Junior Engineering Technical Society (FES-JETS) scheduled semester meetings, 1989-present.

OTHER ACTIVITIES

1. Attended 3-hour presentation, "Faculty Showcase for Instructional Technology," covering a developed model of three-dimensional simulation of virtual field trips by the Office of Instructional Resources, UF, Reitz Union Ballroom, March 12, 2001.
2. Serve as Science Fair judge at local schools and in the community:
 - a) Community Science Fair, O'Connell Center, UF, Gainesville, FL, February 17, 2003
 - b) Engineering (Regional Judge), Lincoln Middle School, Gainesville, FL, February 13, 2002
 - c) Engineering, Lincoln Middle School, Gainesville, FL, December 18, 2001
 - d) Community Science Fair, O'Connell Center, UF, Gainesville, FL, February 14, 2001
 - e) Lincoln Middle School, Gainesville, FL, December 7, 2000 (four hours)
 - f) Newberry High School, Newberry, FL, January 6, 2000
 - g) Oakview Middle School, Newberry, FL, December 16, 1999
 - h) Lincoln Middle School, Gainesville, FL, December 9, 1999.
3. Submitted proposal, "Establishment of the Risk Lab at the University of Florida," for Research and Graduate Program (RGP). UF-RGP, Research Opportunity Fund 2000, June 26, 2000.
4. Invite many excellent speakers selected from industry, state, county, and city agencies, as well as university instructors, to broaden the exposure of students to "real-world" experience in my CCE 4204, CCE 6037, CGN 4121, CGN 4600, CGN 5605, and CGN 5606 classes.
5. Arrange many field trips for graduate and undergraduate engineering students, ranging from construction project sites to recycling plants to different types of public works facilities.
6. Developed and provided the Gainesville community with a comprehensive, gratuitous report entitled, "A Step-by-Step Procedure for Roadway Network Improvement Priority Setting for the City of Gainesville" (later reviewed by appreciative City Commissioner and former Civil Engineering professor, Courtland A. Collier), January 1989.
7. Regularly invited by the Alachua County School Board to give lectures on the Middle East to schools throughout Alachua County (for example, five lectures to different classes at Hawthorne High School, Hawthorne, Florida, April 6, 2001), 1986-present.

MISCELLANEOUS

1. Research projects given media attention: Different newspapers published my research work on: 1) control of radon, and 2) development of user cost data for bridge management systems. The latter project's research was also featured in the February 1999 issue of the *American Society of Civil Engineers Magazine*, p. 38.

2. Invited by Mr. John H. Luppert, Director of Science and Technology Projects at the Dwight D. Eisenhower Foundation, a program of People to People International (Chairman, former President George Bush), to visit the USSR, Poland, and Bulgaria in the summers of 1992 and 1994. Unable to attend.
3. Honored to be an attendee at the lecture for UF Fulbright Alumni given by Dr. Jody K. Olse, Exec. Director, Council for International Exchange of Scholars) at the University of Florida. President Lombardi introduced Dr. Olsen and met with the faculty of the College of Law, the Fulbright Alumni Association Coordinating Committee, Provost A. Sorensen, and the press on March 1, 1993.
4. Received token at the Engineering Fair Banquet held in downtown Gainesville Holiday Inn, and recognized as a member of the North Central Chapter of the Florida Engineering Society, Feb. 12, 1993.
5. Supervised a master's thesis on the use of an interactive computation model application to determine future employment trends in the Philadelphia area, Department of Civil Engineering, Villanova University, Villanova, Pennsylvania, 1981-82.
6. Directly supervised thirty graduate students who enrolled for special study topics (CE 8601), Department of Civil Engineering, Villanova University, Villanova, Pennsylvania, summers of 1980 through 1983.