

R. Radhakrishnan, Ph.D., P.E., F. ASCE

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EDUCATION

Ph.D. Civil Engineering, Brigham Young University, Utah, 1974
M.S. Structural Engineering Brigham Young University, Utah, 1971
M.S. Structural Engineering, University of Madras, India, 1968
B.S. Civil Engineering, University of Madras, India, 1963

EXPERIENCE

2013 - Present Professor, Civil & Environmental Engineering, Prairie View A&M University, Prairie View, TX
1990 - 2004 Department Head, Civil Engineering, Prairie View A&M University, Prairie View, TX
1990 - 2013 Associate Professor, Civil Engineering, Prairie View A&M University, Prairie View, TX
1986 - 1989 Assistant Professor, Civil Engineering, Prairie View A&M University, Prairie View, TX
1985 - 1986 Visiting Professor, Civil Engineering, Prairie View A&M University, Prairie View, TX

COURSES TAUGHT

GNEG 5193 Design of Bridge Structures - Graduate Course
GNEG 5193 Bridge Substructures - Graduate Course
GNEG 5193 Advanced Foundations - Graduate Course
CVEG 5123 Prestressed Concrete - Graduate Course
CVEG 4013 Reinforced Concrete Design
CVEG 3023 Geotechnical Engineering
CVEG 4473 Senior Design and Professionalism I
CVEG 4483 Senior Design and Professionalism II
CVEG 3053 Transportation Engineering
CVEG 4143 Engineering Construction
CVEG 2043 Engineering Mechanics I
CVEG 2053 Engineering Mechanics II
CVEG 2063 Mechanics of Materials I
CVEG 3051 Professional Engineering I

PROFESSIONAL, TECHNICAL AND WORK-RELATED EXPERIENCE

1976 – 1985 Structural Engineer, Brown & Root, Inc., Houston, Texas
1974 – 1976 Structural Engineer, Pullman Torkelson Co., Salt Lake City, Utah
1963 – 1970 Civil Engineer, State Public Works Department, Madras, India

ACHIEVEMENTS AND AWARDS

Fellow of the American Society of Civil Engineers
Excellence in Teaching Award, Prairie View A&M University (1990)
Outstanding Faculty Award for Contribution to Civil Engineering (1994)
Registered Professional Engineer
Member, Chi Epsilon – Civil Engineering Honor Society

PUBLICATIONS

1. Commendation in the American Journal of Traffic and Transportation Engineering, ISSN Online: 2578-8604ISSN Print: 2578-8582
2. "Nighttime Walking and Bicycling Accessibility Evaluation for Low-income Shift Workers," Journal of Transport Geography, 64, 97-108. Co-Author Radhakrishnan, R. with Chandra, S., Jimenez (2017).
3. "A methodology for evaluation of supply-demand infrastructure for multi-modal transportation during nighttime," presented and published in TRB Annual Meeting January 2017, Authors: Ramalingam Radhakrishnan, Co-Author with Zalavadia, A., Chandra, S., and Galicia, D.
4. "Street Visibility-dependent Path Finding for Pedestrians and Bicyclists in Urban Areas," The Journal of the Transportation Research Board and Presented at the 94th Annual Meeting, January 2015, Paper # 15-2377, TRB 2015, Washington, D.C., Authors: Ramalingam Radhakrishnan, Co-Author with Shailesh Chandra, TTI.
5. "Transportation Workforce Development: Attracting High School and Community College Students to Careers in the Transportation Field," TRB Annual Meeting, January 2009, Author: Radha
6. "Enhancing the Early Awareness for Engineering and Technology Careers - Proactive Linkage with K-12 Schools," ASEE - Gulf Southwest Conference, Southern University, March 2006, Authors: Radhakrishnan R. and Kumar A. A.
7. "Return on Investment: A Case Study of Prairie View A&M University's Summer Transportation Program," ASEE – Gulf Southwest Conference, Southern University, March 2006, Authors: Kommalapati R., Radhakrishnan R., and Perkins, J.
8. "Response Analysis of a Truss-Pontoon Semi-submersible with Heave Plates," Journal of Offshore Mechanics and Arctic Engineering, 2006, Authors: Srinivasan N., Chakrabarti S., and Radhakrishnan R.
9. "Damping-Controlled Response of a Truss Pontoon Semi-Submersible with Heave Plates," Proceedings of OMAE'05, 24th International, Conference on Offshore Mechanics and Arctic Engineering, June 2005, Authors: Srinivasan N., Chakrabarti S. and Radhakrishnan R.
10. "Remediation of Contaminated Sediments," ASME ASIA, Singapore, October 1997, Authors: Radhakrishnan R. and Ariza C.
11. "Remediation of Contaminated Soils," Energy Week Conference, Houston, TX, January 1997, Authors: Radhakrishnan R. and Ariza C.

RECENT RESEARCH PROJECTS

"Capacity and performance of foundations for offshore wind towers," NEESR-CR Project, P.I. R. Radha in Collaboration with Texas A&M University at College Station, Texas, 2011 to 2015.

"Space Vehicle Flotation and Survival Studies," Funded Research by United Space Alliance, Lockheed Martin, NASA, 2008 Academic Year, P.I. R. Radha

PROFFSSIONAL DEVELOPMENT ACTIVITIES

1. Participated in the ASCE Professional Development Webinar on "Geotechnical and Environmental Design Considerations," May 12, 2020.
2. Attended "Hollow Core Diaphragm Design" Webinar by Precast/Prestressed Concrete Institute, June 17, 2020.
3. Participated in the FEMA-50 Presentation on "Simplified Seismic Assessment" Webinar on June 14, 2017.
4. Actively Supported PVAMU Participation in Texas Space Grant consortium Activities since 1990. Encouraged many PVAMU Student Teams to participate. A PVAMU Team with 6 student members participated on a poster session and won awards after an oral presentation of their research to NASA Engineers and TSGC on April 25, 2016, at League City, Texas during the TSGC Annual Conference and Meeting.
5. Dr. Radha and Dr. Choudhury Presented "Study of Suitability of Fiber Reinforced Retrofitting of Reinforced Concrete Deficient Beam-Column Joint under Cyclic Loading," PVAMU Research Poster Competition, March 2019.