


**SURESH IMMANUEL, Ph.D., P.E.**  
Associate Dean and Professor  
Associate Provost for Academic Partnerships  
School of Engineering and Computer Science  
University of Evansville, Evansville, IN 47722



## **EDUCATION**

Master of Science (MS), 2020  
Leadership, Higher Education Focus  
University of Evansville (UE), Evansville, Indiana, USA

Doctor of Philosophy (PhD), 2007  
Civil Engineering  
Auburn University, Auburn, Alabama, USA

Master of Engineering (ME), 2004  
Highway and Transport Management  
Anna University, Chennai, India

Bachelor of Engineering (BE), 2001  
Civil Engineering  
Anna University, Chennai, India

## **PROFESSIONAL CREDENTIALS/CERTIFICATIONS**

Licensed Professional Engineer (P.E.), State of Michigan, Department of Licensing and Regulatory Affairs, License # 6201058923

Higher Education Leadership Graduate Certificate, University of Evansville, 2020

11<sup>th</sup> Cohort of the Academy for Innovative Higher Education Leadership, ASU Georgetown University, 2024-2025

## **PROFESSIONAL EXPERIENCE**

June 2024 – Present                      Associate Provost for Academic Partnerships, Office of Academic Affairs, UE

June 2021 – Present	Associate Dean, School of Engineering and Computer Science (SECS), Professor of Civil Engineering, UE
June 2019 – May 2021	Chair, Department of Mechanical and Civil Engineering College of Engineering and Computer Science (CECS), UE
June 2019 – July 2023	Program Director, Civil Engineering CECS/SECS, UE (concurrent role while holding the Department Chair and Associate Dean positions)
August 2015 – May 2021	Associate Professor with Tenure, Department of Mechanical and Civil Engineering, CECS, UE
August 2009 – July 2015	Assistant Professor, Department of Mechanical and Civil Engineering, CECS, UE
August 2007 – July 2009	Assistant Professor, Department of Civil Engineering and Construction, College of Engineering, Bradley University
March 2007 – August 2007	Faculty Research Associate, Kiewit Center for Infrastructure and Transportation, Oregon State University
August 2004 – Feb 2007	Research Assistant, National Center for Asphalt Technology, Auburn University
August 2002 – May 2004	Project Assistant, Highways Research Station, Tamil Nadu Highways Department, India
June 2001 – April 2002	Resident Engineer, Secon Surveys Private Limited, Bangalore, India

## LEADERSHIP ACCOMPLISHMENTS

**Associate Provost for Academic Partnerships**, University of Evansville, June 2024- Present

- Streamlined the articulation and MoU process for partnerships with community colleges and local tech centers
- Created and streamlined the process for MoU's with international institutions for 2+2 and semester exchange programs
- Initiated academic partnership process with institutions in India and Uzbekistan for student recruitment in all programs at UE
- Provide administrative leadership for the partnership with the North East Electric Power University in China

**Associate Dean of Engineering and Computer Science, University of Evansville, June 2021-Present**

- Provided steady and strategic leadership to six unique programs in the School of Engineering and Computer Science.
- Led the efforts during the reorganization of engineering programs under the College of Business and Engineering.
- Created a Program Director model for program leadership and appointed a diverse group of Program Directors.
- Received a one-time award of \$10,000 and a plaque during the 2023 commencement as the Eykamp Award winner. This award is given every year to one selected faculty member in recognition of extraordinary contributions to UE. Such contributions include deep and successful involvement in recruiting students; expanding the number, scope, and competitiveness of grant funding for their department; bringing positive public awareness to the University through scholarship, knowledge, and understanding of their discipline.
- Created a Program Leadership Council and met with the Program Directors bi-weekly to discuss plans to grow programs and increase communication.
- Organized monthly meetings to meet with all SECS faculty and staff for exchange of information and transparent communication.
- Chaired and hired seven faculty members (3 computer science, 2 electrical engineering, 2 civil engineering).
- Created and launched the B.S in Construction Management degree program. This included creating program incubator proposal, proforma, curriculum committee proposal, and other marketing efforts. This is one of the most successful new programs at UE.
- Proposed and worked with the computer science faculty to create a four-year B.S. degree program proposal in Cybersecurity.
- Ideated and developed the curriculum for the newly proposed degree program in Integrated Business and Engineering.
- Introduced a faculty mentoring program for junior faculty within SECS by connecting them with senior faculty from other programs.
- Established two new endowed scholarships for engineering students by working with the Office of Advancement.
- Redesigned the assessment and continuous improvement plans for electrical and computer engineering programs.
- Successfully led the ABET reaccreditation efforts for electrical engineering and computer engineering programs.
- Redesigned the computer science and computer engineering curriculum to meet the needs of the industry and provide access for students who want to become computer scientists. Due to the reimaged CS curriculum, the enrollment increased by approximately 300% from an average of 10 freshmen a year to 27 freshmen in 2023.
- Drafted a document for roles and responsibilities of advisory councils and created Advisory Councils for electrical engineering, computer engineering, computer science and construction management.
- Worked with Chicago State University and became one of the Midwest hub partners for the NSF funded EngPLus partnership. Th goal of the Engineering PLUS Alliance is to

increase the annual number of Black, Indigenous, and other People of Color (BIPOC) and women receiving undergraduate/graduate degrees in engineering

- Created a partnership with Purdue University's Data Mine to provide opportunities for our students to work in projects with industries and receive academic credits.
- Established several policies at the school level to ensure transparency and accountability. This includes policies such as student travel, faculty travel funding, project purchasing, and roles and responsibilities for Program Directors.
- Established lab equipment priorities plan and wish list.
- Established a partnership with a recruiting firm in India for student recruitment.
- Worked with the Office of Advancement to crowdfund for senior design projects annually.
- Managed the SECS budget and course schedules for all six programs.
- Successfully increased the student enrollment in all six programs through strategic recruiting and marketing efforts in SECS.
- Strengthened the partnerships with Ivy Tech and Vincennes University by making frequent visits and presentations to their students.
- Created 'Guaranteed Admission' for Vincennes University students.
- Created a zero-based budget for SECS.
- Worked with a donor and purchased a new 3D printer (80k), surveying equipment (20k), and equipment for hydraulics laboratory (15k).
- Successfully worked with the university administration and facilities director to install new flooring and painting in SECS facilities.
- Supported faculty to attend ABET symposiums and teaching conferences.
- Met with and hosted an average of 7-10 company representatives annually, resulting in increased presence in Center for Career Development activities, new program curriculum feedback, internship and co-op opportunities for our students, collaboration on instruction, guest lectures, and design projects.
- Developed the CBE speaker series and brought established engineering leaders to campus.
- Worked with the Schroeder School of Business and included engineering students in LEAD Forward, an executive leadership program.
- Wrote hand-written notes and emails to admitted students, donors, and alumni.
- Introduced a monthly newsletter (4 pages) which is sent to all faculty, staff, students, alumni, and employers to keep everyone informed of activities and accomplishments in SECS. I receive complimentary emails routinely from many of our alumni. This also helped to enhance communication among all constituents.
- Assisted the CBE dean in corporate outreach.
- Served as the executive member of the strategic enrollment management (SEM) plan committee and developed a SEM plan to increase student enrollment and diversity.
- Represented UE as in the ICI Leadership academy as the second cohort and attended monthly meetings with leaders from other private institutions in Indiana.
- Developed a successful funding proposal for construction management which includes a recent successful grant of \$250k from a national level construction company and it is expected to increase up to one million.

- Along with the dean of CBE, developed a proposal for \$5 million to support leading edge programs and transformational experiences. The program support is for the newly proposed Integrated Business and Engineering degree and the transformational experience is to create a smart manufacturing lab. This proposal is currently being considered by the donor.
- For all Purple Visits, Scholarship Day, and Road Trips, I served as the host and made presentations to prospective students and families.
- Attended the annual MUPEC (Midwestern Undergraduate Private Engineering Colleges) Deans meeting and the ASEE Engineering Deans Institute.
- Created the Director of Marketing and Recruitment position for the School of Engineering and Computer Science (50% share with the Business School) and collaborated with the Director to establish comprehensive marketing and outreach plans for all SECS programs including budgeting, target audiences, messaging, and communication strategies.
- With the help of the Associate Director of Marketing, redesigned the website for all SECS programs and created stories to promote our computer science and construction management programs via print and visual media.
- Met with the Provost weekly and vouched for resources and support for all SECS programs.
- Attended the bi-weekly VP Ops meeting and articulated the needs of SECS to upper administration.
- Worked with the Director of the Center for Career Development and introduced the Engineering, Computer Science, and Construction Management Career Forum as one of the activities during the Annual Engineers Week celebration.
- Coordinated with engineering faculty and participated in the university wide STEM camp and other engineering related outreach activities.
- Created two additional annual awards (outstanding research, outstanding service) for SECS to support and encourage faculty in their research and service endeavors along with the teaching award.
- Recruited key industry professional to serve in the engineering programs advisory board.

**Chair, Department of Mechanical and Civil Engineering, University of Evansville, June 2019- May 2021**

- Established 2+2 partnership with the North East Electric Power University (NEEPU) in China for civil engineering student exchange.
- Signed Memorandum of Understanding (MoU) for student and faculty exchange with Vellore Institute of Technology, India's top ten ranked private engineering institute.
- Established articulation agreement for civil and mechanical engineering as a part of International Transfer Program (ITP) for 2+2 student exchange with Vellore Institute of Technology, India.
- Established the Asphalt Pavement Association of Indiana annual scholarship for students.
- Established two more scholarships for students (one for civil, and one for mechanical).
- Signed MoU with Curtin University (Dubai Campus) for student and faculty exchange in mechanical engineering.
- Created additional revenue stream to support the department operating budget.

- Collaborated with Vincennes University, and Ivy Tech to bring transfer students to mechanical and civil engineering.
- Worked with mechanical engineering faculty and removed the lower and upper division requirements.
- Led efforts to reaccredit civil engineering and mechanical engineering programs (2020). Wrote the ABET Self-Study for civil engineering and coordinated the mechanical engineering Self-Study.
- With the help of the Staff Engineer, successfully led the transition of all course offerings in online and hybrid format during the Covid 19 pandemic.
- Successfully navigated the transition from the previous department leadership (21 years) and led a vibrant department.
- Successfully planned the course schedules for civil engineering and mechanical engineering programs and coordinated the supporting program course schedules.
- Managed the department budget successfully amidst the annual budget cuts.
- Carried out annual, tenure and promotion reviews for tenure track faculty.
- Organized and conducted bi-weekly department meetings for ease of communication and transparency.

**Program Director, Civil Engineering Program, University of Evansville, June 2019- May 2023**

- Recruited four members to our Civil Engineering Advisory Council (CEAC) to increase diversity in the council.
- Wrote the Civil Engineering ABET Self-Study and served as the program contact for the Civil Engineering Program Evaluator. This resulted in an ABET re-accreditation for CE program with no shortcoming. This is the first occurrence in the history of the CE program.
- Organized and conducted bi-weekly program meetings with CE faculty to discuss student issues, curriculum, program assessment and accreditation.
- Organized and conducted the CEAC meetings (online meetings during Covid and in-person meetings during 2022 and 2023).
- Created a central document storage for CE Assessment data and coordinated the assessment plan.
- Updated the Ivy Tech and Vincennes University articulation agreements for the Civil Engineering program.
- Created the 2+2 course mapping for the NEEPU partnership in Civil Engineering.

**PUBLICATIONS**

Immanuel S., “Correlation Between the Course Knowledge Survey Results and Student Performance in a Civil Engineering Course,” 2022 ASEE IL-IN Section Conference, Anderson, IN. April 2022.

Kaklamanos, J., & Ghanat, S., Shillaber, C., Kunberger, T., Barry, B., Griffiths, S., Walton-Macaulay, C., Immanuel, S., Saftner, D., Swan, C. “Instruction and Assessment of Mohr’s Circle

Concepts in Undergraduate Geotechnical Engineering Courses,” 2022 ASEE Annual Conference & Exposition, Minneapolis, MN. July 2022.

Ghanat, S. T., Kaklamanos, J., Kunberger, T., Walton-Macaulay, C., Immanuel, S., Saftner, D.A., Berry, B.E., Griffiths, S., Shilabar, C.M., Swan, C., “Bias and Precision in Instructor Grading of Concept Inventories in Geotechnical Engineering Courses,” 2019 ASEE Annual Conference & Exposition, Tampa Bay, FL. July 2019. [Received the 2020 ASEE-SE Thomas C. Evans Best Paper Award]

Ghanat, S. T., Kaklamanos, J., Walton-Macaulay, C., Selvaraj, S. I., Saftner, D.A., Swan, C., Kunberger, T., “Assessing the Impact of Educational Factors on Conceptual Understanding of Geotechnical Engineering Topics,” 2018 ASEE Annual Conference & Exposition, Salt Lake City, UT, June 2018.

Allen, J. H., Fulcher, J., Selvaraj, S. I., “Assessment of Student Learning in Undergraduate Engineering Courses Using Quizzes In lieu of Homework,” 2017 ASEE Annual Conference & Exposition, Columbus, Ohio, June 2017.

Ghanat, S. T., Kaklamanos, J., Selvaraj, S. I., Walton-Macaulay, C., Sleep, M., “Assessment of Students’ Prior Knowledge and Learning in an Undergraduate Foundation Engineering Course,” 2017 ASEE Annual Conference & Exposition, Columbus, Ohio. June 2017.

Ghanat, S. T., Kaklamanos, J., Ziotopoulou, K., Selvaraj, S. I., Fallon, D. J., “A Multi-Institutional Study of Pre- and Post-Course Knowledge Surveys in Undergraduate Geotechnical Engineering Courses,” 2016 ASEE’s 123 Annual Conference & Exposition, New Orleans, LA. June 2016.

Selvaraj, S.I., “An Effort to Instill Entrepreneurial Mindset Through Teaching Modules in Undergraduate Civil Engineering Courses,” 2014 ASEE IL-IN Section Conference, Terre Haute, IN.

Selvaraj, S.I., “Incorporating Different Design Aspects of Land Transportation in the Introductory Level Undergraduate Transportation Engineering Course,” 2013 ASEE IL-IN Section Conference, Angola, IN.

Selvaraj, S.I., “Review on the Use of Instrumented Pavement Test Data in Validating Flexible Pavement Mechanistic Load Response Models,” The Eighth International Conference on Traffic and Transportation Studies, China, Elsevier, pp 819-831.

Swenty, B., Valenzuela, M., Allen, J., Selvaraj, I., “Assessing Program Educational Objectives Using a Web-Based Alumni Survey System,” ASEE Annual Conference, Louisville, KY, June 2010.

Immanuel, S., Timm, D.H., “A Field Calibrated Shear Strain Rut Prediction Model,” Transportation Research Board 86th Annual Meeting CD-ROM, Washington D.C., 2007.

Timm, D.H., Newcomb, D.E., Selvaraj, I., "A Practical Guide to Low-Volume Road Perpetual Pavement Design," International Conference on Perpetual Pavements, Ohio, 2006.

Immanuel, S., Timm, D.H., "Measured and Theoretical Pressures in Base and Subgrade Layers under Dynamic Truck Loading," Proceedings of Airport and Highway Specialty Conference, American Society of Civil Engineers, Atlanta, 2006. pp. 155-166.

Immanuel, S., Lakshmi, S., "Testing Temperature Related Performance of Bituminous Mixes," Proceedings of the International Conference on Structural and Road Transportation Engineering, 2005, pp. 551-558.

Immanuel, S., Vasudevan, J., "Trends of Safety in Bus Transport-A Case Study of Tamilnadu State in India," Proceedings of the 8th International Conference on Transportation Systems Planning and Operation, TRANPO 2004, Chennai, India.

Subramanian, K.P., Murugaasan, Immanuel, S., "Review on the Use of Alternative Materials for Highway Construction in India," Indian Roads Congress Conference Souvenir, 149th Annual Session at Pondicherry, 2003, pp. 49-58.

Suresh M.B., Immanuel, S., "Comparative Evaluation of Pavement Rating Techniques – A Case Study in India," Seminar on Pavement Failures, Analysis and Remedial Measures, Hyderabad, India, 2003, pp. 1-10.

Saravanan, G., Immanuel, S.S., "Bus Stop Rationalization Using GIS," Proceedings of the International Conference on GIS – Map India 2003, available in [www.gisdevelopment.net](http://www.gisdevelopment.net), 9 pages.

Vijayalakshmi, Immanuel, S.S., "Urban Public Mass Transport Integration- Case Study of Mass Rapid Transit System in Chennai," Proceedings of the National Conference on Urban Transport and the Environment, Hyderabad, India, 2003, pp. 151-156.

Immanuel, S.S., "Strategies for Safety Planning of Bus Transport in India," Proceedings of National Seminar on Safety in Public Transport, Chennai, India, 2002, pp 80-83

Raja, S., Immanuel, S.S., "Driver Education and Licensing System in the Context of Transport Safety," Proceedings of National Seminar on Safety in Public Transport, Chennai, India, 2002. pp. 54-58.



## **TECHNICAL REPORTS**

Immanuel, S., and Scholz, T.V., "Field Guide for Strain Gauge Installation", Draft Report Submitted to the Oregon Department of Transportation, Research Unit, Salem, Oregon, April 2007, 12 pages.

Rajendran, S., Scholz, T.V., and Immanuel, S., "Investigating Premature Pavement Failure Due to Moisture", Interim Report Submitted to the Oregon Department of Transportation- Research Unit, Salem, Oregon, April 2007, 200 pages.

Timm, D.H., and Immanuel, S., "Pavement Instrumentation Best Practices", Draft report submitted to FLDOT for the project 'Instrumentation Data Services', Florida, 2006, 63 pages.

Timm, D.H., West, R., Priest, A., Powell, B., Immanuel, S., Zhang, J., and Brown, E.R., "Phase II NCAT Test Track Results", NCAT Report 06-05, Auburn, AL, 2006, 94 pages.

Immanuel, S., "Performance Study of Bituminous Mixes under Different Testing Temperatures in Laboratory Condition", Published Project Report, Division of Transportation Engineering, Anna University, Chennai, India, 2004.

Immanuel, S., "Evaluation of Polyethylene as an Additive in Bituminous Mix", Published Project Report, Division of Transportation Engineering, Anna University, Chennai, India, May 2003.

Navin Kumar, V., Immanuel, S., Thangavel S., Lingesh, "Effect of Coarser Fractions in Controlling the Volume Change Behavior of Problematic Soils," Published Project Report, Department of Civil Engineering, Anna University, Chennai, India, May 2001.

## **INVITED TALKS AND PRESENTATIONS**

The Importance of Engineering Ethics and Lifelong Learning in Civil Engineering Practice, Presentation made at the Department of Civil Engineering, Wentworth Institute of Technology, Boston, MA. February 13, 2020.

ASCE Student Chapter Needs, Partners, Resources, and Events, Presentation made at the 2018 ASCE Practitioner and Faculty Advisor Training Workshop (PFATW), Reston, VA. August 3-4, 2018.

ASCE Student Chapter Resources I, Presentation made at the 2017 ASCE Practitioner and Faculty Advisor Training Workshop (PFATW), Reston, VA. August 11-12, 2017.

ASCE India Student Conference Host Orientation, Presentation made at the Vellore Institute of Technology, Vellore, India. July 17, 2017.

Student Chapter Annual Reports and Awards Program, ASCE Student Conferences, and National Competitions and Scholarships, Presentation made at the 2016 ASCE Practitioner and Faculty Advisor Training Workshop (PFATW), Reston, VA. August 19-20, 2016.

Keys to Student Chapter Success, Presentation made at the 2016 ASCE Workshop for Student Chapter Leaders (WSCL), Pittsburgh, PA. February 12-13, 2016.

ASCE Student Chapter Resources, Presentation made at the 2015 ASCE Practitioner and Faculty Advisor Training Workshop (PFATW), Reston, VA. August 21-22, 2015.

Keys to Student Chapter Success, Presentation made at the 2015 ASCE Workshop for Student Chapter Leaders (WSCL), Miami, FL. January 9-10, 2015.

## **RESEARCH REPORTS PREPARED UNDER MY GUIDANCE**

Ott, M.G., "Perpetual Flexible Pavement Design Practices in the State of Illinois", Research Report Submitted to the Illinois Asphalt Pavement Association, Springfield, IL, 2008.

Ford, H.F., "Pavement Management and Rehabilitation Methods- A Case Study", Research Report Submitted to the Illinois Asphalt Pavement Association, Springfield, IL, 2008.

Mielke, J.B., "Warm Mix Asphalt Technology", Research Report Submitted to the Illinois Asphalt Pavement Association, Springfield, IL, 2008.

Johnson, T.V., "Literature Review on Rubbilization of Asphalt Pavements", Research Report Submitted to the Illinois Asphalt Pavement Association, Springfield, IL, 2008.

Gebhardt, W., "Railroad Applications for Asphalt Pavement", Research Report Submitted to the Illinois Asphalt Pavement Association, Springfield, IL, 2009.

Downing, L., "Asphalt Pavement Recycling and Rehabilitation", Research Report Submitted to the Illinois Asphalt Pavement Association, Springfield, IL, 2009.

Auxier, J., "Recycled Asphalt Pavement: Design, Implementation and Construction Methods", Research Report Submitted to the Illinois Asphalt Pavement Association, Springfield, IL, 2009.

Begy, J., "Alternate Materials in Asphalt Pavements-A Review", Research Report Submitted to the Illinois Asphalt Pavement Association, Springfield, IL, 2009.

Scott, A., "Sustainable Asphalt Pavements- A Review", Research Report Submitted to the Illinois Asphalt Pavement Association, Springfield, IL, 2009.

## **COURSES TAUGHT**

### *@ University of Evansville:*

Introduction to Engineering – Fall 2011, 2018  
Transportation Engineering – Every Spring (2010-2021)  
Pavement Design - Spring 2010  
Pavement Management and Rehabilitation – Spring 2011  
Advanced Pavement Design and Management – Spring 2012-2019  
Surveying – Fall 2012, 2015, 2017, 2019  
Advanced Transportation Engineering – Spring 2013  
Construction Management – Fall 2009, 2010, 2011, 2012, 2013, 2014, 2016  
Geotechnical Engineering – Every Fall (2009-Present)  
Soil Mechanics Lab – Every Spring (2010-Present)  
Soil Mechanics and Soil Behavior – Every Spring (2010-Present)  
Technical Skills for Archaeologists I - Every Fall (2009-2018, 2020)  
Critical Issues in Higher Education – Fall 2020, 2022, 2024\*\*

### *@ Bradley University:*

Pavement Design – Spring 2008, 2009  
Pavement Design Lab – Spring 2008, 2009  
Advanced Pavement Design - Fall 2008\*\*  
Pavement Management Systems – Spring 2009\*\*  
Geotechnical Engineering – Fall 2007, 2008  
Geotechnical Engineering Lab – Fall 2007, 2008  
Introductory Soil Mechanics – Spring 2008  
Soil Mechanics Laboratory – Spring 2008

\*\* Graduate Course

## **LEADERSHIP AND PROFESSIONAL DEVELOPMENT TRAINING/ACTIVITIES**

- Cohort 11 - Academy for Innovative higher Education Leadership, Arizona State University and Georgetown University, September 2024-Present
- ABET Symposium, 2023 (Nashville, TN), 2024 (Tampa, FL)
- ICI Monthly Leadership Academy Cohort Meetings, 2021-2022 (Indianapolis, IN)
- Purdue Road School, 2023, 2024 (West Lafayette, IN)
- Engineering Deans Institute, 2022 (Las Vegas, NV), 2024 (San Diego, CA)
- APAI Winter Conference, 2016, 2018-2021 (Indianapolis, IN), 2022 (Muncie, IN).
- NAPA Webinar on Asphalt 101 for Civil and Geotechnical Engineers, 2020 (Online)
- ECTE Virtual Forum on Pandemic Pedagogy: Syllabus Considerations for Synchronous and Asynchronous Course Design, 2020 (Online)
- Virtual Forum on Preparing Instructors for an Uncertain Fall, 2020 (Online)
- ASCE Excellence in Civil Engineering Education Community Exchange, 2020 (Online)
- National Asphalt Pavement Association Webinar on Perpetual Pavements: Past, Present & Sustainable Future, 2020 (Online)

- ASEE Webinar on Emerging Insights on Navigating Remote Student Support, 2020 (Online)
- Webinar - Rapid Drawdown Analysis (SEEP/W and SLOPE/W), 2020 (Online)
- The Connected Faculty Summit, 2020 (Online)
- National Asphalt Pavement Association Webinar on PaveXpress: How to Perform a Mechanistic-Empirical Pavement Design in 3 Simple Steps, 2020 (Online)
- ASEE Webinar on Emerging Insights on Navigating Remote Instruction, 2020 (Online)
- National Civil Engineering Department Heads Conference (Virtual), 2020 (Online)
- ASEE Webinar on Emerging Insights on Navigating Remote Labs, 2020 (Online)
- Webinar on Chegg, Slader, CourseHero: Homework Help Websites and the Move to Remote Instruction - where's the line between learning support and cheating? 2020 (Online)
- Virtual Forum on From Emergency Remote Teaching to Effective Distance Education, 2020 (Online)
- PaveXpress - How to Evaluate Pavement Alternatives Using LCCA, 2020 (Online)
- Virtual Forum on Race and Higher Education, 2020 (Online)
- Webinar on Benefits of Rehabilitating Concrete Pavements with Slab Fracturing and Asphalt Overlays, 2020 (Online)
- ASME ABET (originally pre-MEED) VIRTUAL Workshop, 2020 (Online)
- Webinar on PaveXpress: An Overview of Major Enhancements, 2020 (Online)
- Aspire & ASEE Teaching Inclusively & Equitably Online Workshop, 2020 (Online)
- Webinar on Learning What Matters: A Novel Approach to Study and Adapt to the Real-time Impacts of COVID-19 on Engineering Education, 2020 (Online)
- Professional Development Workshop on Engaging Employees: How to Improve Engagement and Performance through Coaching, 2020 (Online)
- The Future of Academia in a Virtual Environment, National Civil Engineering Department Heads Seminar Series on Department Leadership in a Virtual Environment, 2020 (Online)
- Interacting with Industrial Advisory Boards and Industry Mentors in a Virtual Environment, National Civil Engineering Department Heads Seminar Series on Department Leadership in a Virtual Environment, 2020 (Online)
- A Faculty-Led Webinar on Engineering Exams in the Remote Classroom, 2020 (Online)
- Leadership in Challenging Times, National Civil Engineering Department Heads Seminar Series on Department Leadership in a Virtual Environment, 2020 (Online)
- How to Prepare for an ABET Visit in a Virtual Environment: National Civil Engineering Department Heads Seminar Series on Department Leadership in a Virtual Environment, 2020 (Online)
- Sharing Strategies for Effective Teaching, National Civil Engineering Department Heads Seminar Series on Department Leadership in a Virtual Environment, 2020 (Online)
- Webinar on Stability Analysis Using 3D Seepage Results, 2020 (Online)
- Geotechnical Engineering Faculty Teaching Strategies & Resources Workshop, 2020 (Minneapolis, MN)
- ASEE Chairs Conclave, 2019 (Tampa, FL)
- World of Asphalt Show and Conference, 2019 (Indianapolis, IN)
- Humboldt Soil Seminar, 2018 (Chicago, IL)

- Attendance in many ASCE Student Conferences as an ASCE Committee on Student Members Representative (2015-2018)
- Airport Pavement Technical Workshop, 2018 (Boston, MA)
- ASCE Practitioner and Faculty Advisor Training Workshop, 2010, 2014-2018. (Main or Co-Coordinator from 2015-2018, Reston, VA)
- Geotechnical Modeling Workshop, 2017 (San Francisco, CA)
- ABET Program Evaluator Training, 2016 (Baltimore, MD)
- The Railway Academic Conference (TRAC) and the Railroad Engineering Education Symposium (REES), 2016 (Urbana, IL)
- Workshop on Earth Retaining Structures, 2015 (Cincinnati, OH)
- Railroad Engineering Education Symposium (REES II), 2014 (Overland Park, KS)
- Section Workshop on Effective Engineering Teaching, 2013 (Angola, IN)
- Transportation Engineering Educators Conference, 2012 (Seattle, WA)
- Railroad Engineering Education Symposium (REES I), 2012 (Overland Park, KS)
- Teaching Professor Conference, 2012 (Washington D.C.)
- PCA Professor's Workshop, 2011 (Skokie, IL)
- Illinois Asphalt Pavement Association Conference, 2008, 2009 (Springfield, IL)
- Excellence in Civil Engineering Education (ExCEEEd), 2008 (Fayetteville, AR)
- NCAT Test Track Conference, 2008 (Auburn, AL)
- Professor Training Course, 2008 (Auburn, AL)
- Asphalt Technology Short Course, 2006 (Auburn, AL)
- Superpave Mix Design Course, 2005 (Auburn, AL).
- Recent Trends in Bituminous Mix Design, 2003 (Kanpur, India)
- Engineering Intern, Wilbur Smith Associates, Summer 2003 (Chennai, India)
- Trainee, Housing and Urban Development Corporation, Summer 2000 (Chennai, India)

## **GRANTS AND SPONSORED PROJECTS**

“Supporting the Creation of Construction Management Program at the University of Evansville”, Traylor Brothers, 2022, \$1,000,000 (Currently approved for \$250,000).

“Leading Edge Programs and Transformational Experiences”, 2023, \$5,000,000 (Collaborated with the Dean of CBE, 2 million for IBE degree, 2 million for Smart Manufacturing Lab, and a million fund for Programming and Enrollment growth). Proposal submitted to a generous donor for consideration.

“The Kern Entrepreneurship Education Network (KEEN) Grant”, Kern Family Foundation, 2014, \$77,500. (PI)

“Innovative Course Development in Railway Engineering”, KEEN Summer Innovation Grant, 2012, \$5,000. (PI)

“Introducing Entrepreneurial & Innovation Module in the Introductory Freshmen Civil Engineering Course”, KEEN Grant, 2011, \$4,000. (PI)

“Teaching Aids for Geotechnical and Pavement Engineering”, Wheeler Fund, 2011, \$4,000. (PI)

“Undergraduate students in Asphalt Materials and Flexible Pavement Research,” Illinois Asphalt Pavement Association, Springfield, IL, 2008-2009, \$11,400. (PI)

“Perpetual Low Volume Road Design for Roads in Peoria County,” Caterpillar Research Fellowship, 2007-2008, \$5,000. (PI)

“Perpetual Road Design Software for Low Volume Roads-PerRoad LVR,” Asphalt Pavement Alliance, Lanham, MD, 2007, \$13,200. (Co PI)

“Undergraduate students in Asphalt Materials and Flexible Pavement Research,” Illinois Asphalt Pavement Association, Springfield, IL, 2007-2008, \$11,400. (PI)

## **INSTITUTIONAL AND PROFESSIONAL SERVICE**

- 05/2016-Present, Program Evaluator, Accreditation Board for Engineering and Technology (ABET), Baltimore, MD.
- 08/2020, Strategic Enrollment Management Committee Member, University of Evansville, IN.
- 08/2022-Present, Higher Learning Commission Quality Initiative Committee Member, University of Evansville, IN.
- 08/2019-07/2021, American Society for Engineering Education (ASEE) Campus Representative, University of Evansville, Evansville, IN.
- 10/2019-07/2021, Judicial Board Member, University of Evansville, IN.
- 10/2019-Present, Southern Indiana Career & Technical Center (SICTC) Advisory Board Member, Evansville, IN.
- 06/2019, Present, Ivy Tech Engineering Advisory Board Member, Evansville, IN.
- 04/2018-Present, Changemaker Council Member, University of Evansville, IN.
- 08/2018-08/2020, Ombudsperson, University of Evansville, IN.
- 09-2018-Present, Member of the ASCE Members Communities Committee (MCC), Reston, VA.
- 09-2018-Present, Chair of the ASCE Global Members Task Committee, Reston, VA.
- 08/2018-Present, Faculty Advisor, UE Chi Epsilon Civil Engineering Honor Society.
- 06/2018-07/2018, CE Visiting Faculty Search Committee Chair, University of Evansville, IN.
- 10/2017-05/2018, CE Faculty Search Committee Chair, University of Evansville, IN.
- 10/2015-03/2016, Member of the Executive Vice President for Academic Affairs Search Committee, University of Evansville, IN.
- 09-2014-08/2018, Member of the ASCE National Committee on Student Members (CSM), Reston, VA.
- 09/2012-08/2016, 08/2021-Present, Faculty Advisor, American Society of Civil Engineering University of Evansville Student Chapter, University of Evansville, IN.

- 09/2014-08/2015, Chair, General Education Subcommittee, University of Evansville, IN.
- 09/2012- 07/2013, Chair, Academic Services Committee, University of Evansville, IN.
- 08/2012-07/2015, Curriculum Committee Member, University of Evansville, IN.
- 08/2011-07/2017, Academic Services Committee Member, University of Evansville, IN.
- 03/2012-Present, UE Engineering Explorers Adult Leader, University of Evansville, IN.
- 01/2010-07/2012, Member, General Education Subcommittee, University of Evansville, IN.
- 08/2009-07/2019, FE Review Coordinator, College of Engineering and Computer Science (CECS), University of Evansville, IN.
- 2007-2009: Director, Asphalt and Geotechnical Laboratory, Civil Engineering and Construction (CEC), Bradley University, Peoria, IL.
- ICAT 2008 & 2009, Innovations Conference in Asphalt and Traffic, Technical Committee Member.
- 2007-2009: Committee Member, Lab Needs Committee, Civil Engineering and Construction, Bradley University, Peoria, IL
- 2007-2009: Graduate Program Committee Member, Bradley University, Peoria, IL.
- 2007- 2009: Member, Center for Emerging Technology in Infrastructure, Bradley University, Peoria, IL.
- 2008: Committee Member, Teaching Excellence Committee, Bradley University, Peoria, IL.
- Reviewed papers for ASCE Journal of Materials in Civil Engineering, ASCE Journal of Transportation Engineering, Journal of Association of Asphalt Paving Technologies, International Journal of Pavement Engineering, Sustainable Civil Infrastructures, Transportation Review Board, ASEE, and few technical Conferences.
- Received the outstanding reviewer of the year award from the ASCE Journal of Transportation Engineering in 2012, 2014, and 2017.
- Serve as the “Friend of a Committee” for the following Standing Committees: Standing Committee on Pavement Structural Testing and Evaluation (AKP40), Standing Committee on Design and Rehabilitation of Asphalt Pavements (AKP30), Standing Committee on Pavement Condition Evaluation (AKP10)
- Served as the external examiner for four doctoral dissertations.
  - A Study to Determine Land Use Trip Rate for Traffic Impact Analysis of Shopping Malls in Indian Context (Ponnurangam P)
  - Integrating Machine Learning and Multi- Criteria Analysis for Comprehensive Coastal Multi- Hazard Mapping Along the Tamil Nadu Coast, India (Abijith D)
  - Integration of Disaster Management into the Curriculum of Civil Engineering for the Undergraduate Degree Program (Shimi Lawrence)
  - Experimental Investigation to Quantify the Fatigue Damage of Unmodified and Modified Bitumen and Bituminous Mastic (Jayaraman M)

## **HONORS AND AWARDS**

Eykamp Award, 2023

ICI Leadership Academy Fellow, 2021

2020 ASEE-SE Thomas C. Evans Best Paper Award, 2020

Deans Teaching Award, 2018

Reviewer of the Year, ASCE Journal of Transportation Engineering, 2012, 2014, 2017

ASCE Excellence in Civil Engineering Education (ExCEED) Fellow, 2008

NAPA Fellowship, 2008

Caterpillar Fellowship, 2008

Auburn University Graduate School Fellowship, 2004

State Government of Tamilnadu Scholarship, 1997-2001

## **PROFESSIONAL MEMBERSHIPS**

American Society for Engineering Education (ASEE), Full Member

American Society of Civil Engineers (ASCE), Full Member

Chi Epsilon, Full Member