AFSHIN HATAMI, Ph.D., P.E., PMP

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As a Professional Licensed Engineer (PE) and Certified Project Management Professional (PMP), I bring extensive expertise in structural engineering, Bridge Information Modeling (BIM), and the management of large-scale infrastructure projects. During my tenure at Bentley Systems, a leading software company in the Digital Twin domain, my leadership was instrumental in adopting Bridge Information Modeling (BIM) through Bentley's OpenBridge Software, specializing in developing digital twins for significant infrastructure projects. Notable among these are the Çanakkale Bridge in Turkey—the world's longest suspension bridge—and the Gordie Howe International Bridge, the longest cable-stayed bridge in North America. At the University of Nebraska-Lincoln, my PhD and postdoctoral research focused on innovative uses of cast-in-place and precast concrete, laying the groundwork for my interest in 3D concrete printing technologies. I am deeply involved in the Building Construction Science program at Mississippi State University, integrating innovative construction technologies and applying virtual reality and digital simulations through the Simulation and Interactive Visualization Applications (SIVA) Lab. This work addresses real-world engineering challenges, ensuring students develop practical, up-to-date technological skills.

Area of Expertise

● Digital Twins ● Bridge Information Modeling (BIM) ● Infrastructure Project Management ● Bridge Engineering ● Structural Analysis and Design ● Product Development ● Leadership and Team Development ● Collaborative Stakeholder Engagement ● Problem Solving ● Coaching and Mentoring

Certification

Licensed Professional Civil Engineer (P.E), State of California and Florida
Project Management Professional (PMP), Project Management Institute (PMI)
Pragmatic Marketing Certified, Pragmatic Marketing
Competent Communicator (CC), Toastmasters International

Education

- **Postdoctoral Research Associate,** University of Nebraska, Lincoln, NE, MAR 2014-DEC 2014
- **Ph.D. Construction Engineering,** University of Nebraska, Lincoln, NE, JAN 2010-MAR 2014
  - Thesis: Design of shear connectors for precast concrete decks in concrete girder bridges
- **M.Sc. Structural Engineering**, Uremia University, Uremia (2004)
- **B.S. Civil Engineering**, Razi University, Kermanshah (2000)

Academic Appointments

ASSISTANT PROFESSOR, Mississippi State University, MS**,** AUG 2021-PRESENT

- Building Construction Science Department: Instructed the following courses.
  - Studio V Capstone Project (BCS 4116/4990)
  - Studio VI Capstone Project (BCS 4126/4990)
  - Professional Communication & Practice (BCS 4222)
  - Structure I (BCS/ARC 3904)
  - Life Mastery Using Project Management Techniques (BCS 4990) New Course Development
- Associate Director: Simulation and Interactive Visualization Applications (SIVA) Lab
  - Digital Twin Integration for Construction Project Management: A Case Study on Modular Home Construction
  - Use of Immersive Technologies in Construction Education.

POST-DOCTORATE RESEARCH ASSOCIATE, University of Nebraska, Lincoln**,** MAR 2014-DEC 2014

- Constructed full precast prestressed bridge deck panels and compared the FEM analysis with experimental results in the lab for shear interface behavior evaluation funded by National Cooperative Highway Research Program (NCHRP)

RESEARCH ASSISTANT, University of Nebraska, Lincoln**,** JAN 2010-MAR 2014

- Set up deterioration models and performed lifecycle cost analysis (LCCA) for bridges in the state of Nebraska funded by the Nebraska Department of Roads (NDOR)
- Evaluated the design and construction challenges of using 0.7 in. diameter strands in pre-tensioned concrete bridge girders funded by the Nebraska Department of Roads (NDOR)
- Implemented full precast, prestressed concrete girder, and new deck panel system in bridge projects.
- Instructed the following courses as a teaching assistant:
    - Prestressed Concrete Design
    - Introduction to Bridge Engineering
    - Construction Estimating
    - Strength of Materials
    - Reliability of Structures

ASSOCIATE DIRECTOR, Kermanshah Azad University, Kermanshah, NOV 2008 – DEC 2009

- Civil Engineering Department, 22 Faculty Members with More than 800 undergraduate students
    - Strategic Planning and Development:
        - Contributed to driving strategic initiatives aligned with the civil engineering department's mission.
        - Actively participated in the development and execution of the university plans.
    - Administrative Oversight:
        - Supervised day-to-day operations, fostering a collaborative and efficient work environment.
    - Curriculum Management:
        - Actively engaged with esteemed faculty to develop and refine curriculum offerings.
    - Student Advising and Support:
        - Oversaw comprehensive advising and support services for each student.
        - Addressed student concerns and facilitated mentorship opportunities.

INSTRUCTOR, Kermanshah Azad University, Kermanshah, May 2004 – DEC 2009

- Civil and Architectural Engineering Departments: Instructed the following courses.
    - Construction Estimating and Scheduling (CIVE 3280)
    - Introduction to Steel Structure (AE 3390)
    - Steel Structure Design I (CIVE 3380)
    - Steel Structure Design II (CIVE 4390)
    - Structural Analysis I (CIVE 3340)
    - Structural Analysis II (CIVE 4350)
    - Introduction to Concrete Structure (AE 3490)
    - Concrete Structure Design I (CIVE 3360)
    - Concrete Structure Design II (CIVE 4370)
    - Statics (CIVE 2120)
    - Mechanics of Materials (CIVE 2130)

Professional Experience

MANAGER OF PRODUCT MANAGEMENT, Bentley Systems, Sunrise, FL, Dec 2019-Aug 2021

- Oversaw the development of Bentley OpenBridge products using Bridge Information Modeling (BIM) for Digital Twins (DT) to enrich the bridge 3D models with intelligent information through the life cycle of projects from design to construction and inspection.
- Led and developed a team of four product managers, fostering professional growth and maximizing contributions.

- Orchestrated strategic management of the Bentley OpenBridge product portfolio, prioritizing projects and aligning resources.
- Crafted and communicated compelling product strategy and maintained a comprehensive product roadmap.
- Identified potential risks and devised contingency plans for seamless product development and execution.
- Aligned product management endeavors with Bentley iTwin strategies for organizational success.

PRODUCT MANAGER, Bentley Systems, Sunrise, FL, Jan 2015-Dec 2019

- Performed the following activities for the Bentley RM Bridge product.
    - Product Strategy and Vision:
        - Defined and executed comprehensive product strategies, aligning with organizational objectives and market demands.
    - Market Research and Analysis:
        - Conducted in-depth market research to identify customer needs, analyzed market trends, and evaluated competitor offerings to inform product decisions.
    - Product Roadmap:
        - Developed and maintained a robust product roadmap, outlining key features, enhancements, and updates throughout the product's lifecycle.
    - Requirements Definition:
        - Collaborated with stakeholders, customers, and development teams to gather and prioritize product requirements, ensuring alignment with business goals.
    - User Experience (UX) and User Interface (UI) Design:
        - Led UI/UX design efforts, ensuring the creation of intuitive interfaces and a seamless user experience.
    - Development Oversight:
        - Provided leadership to cross-functional development teams, ensuring on-time and high-quality delivery of features and updates.
    - Release Management:
        - Orchestrated product releases, coordinating marketing efforts, documentation, and support readiness.
    - Metrics and KPIs:
        - Defined and tracked key performance indicators (KPIs) and metrics, utilizing data-driven insights to guide product decisions.
    - Stakeholder Communication:
        - Effectively communicated product updates, progress, and roadmaps to internal teams, stakeholders, and customers.
    - Customer Feedback and Support:
        - Actively gathered and integrated customer feedback to enhance the product, collaborating closely with support teams to address customer needs.
        - Supported client issues in various bridge projects worldwide, including:
            - ✓ Gordie Howe International Bridge (GHIB) - designed by AECOM: GHIB will be the longest cable-stayed bridge in America.
            - ✓ 1915 Canakkale Bridge - design by Aas-Jakobson: the 1915 Canakkale Bridge will be the longest Suspension bridge in the world.
            - ✓ Chacao Bridge – designed by ARUP: Chacao Bridge is the longest Suspension bridge in South America.

SENIOR PROJECT MANAGER, Kermanshah Oil Refinery Company, Kermanshah, JUNE 2003 – DEC 2009

- Performed project management activities for a recently built seismically inadequate steel building, masonry office buildings, vessels, and pipelines to support seismic vulnerability and subsequent retrofits of the oil refinery.
- Managed the engineering team and resources and maintained relationships with clients, designers and consultants.

- Conducted project planning, budget approvals, resource, and timeline creation throughout projects.
- Approved the final design sketches and contractor's Trade Contract Payment applications.
- Conducted price estimations and negotiations for materials and labor and drafted binding contracts
- Participated in site meetings with contractors' lead engineers to measure progress, mitigate issues, and direct activities.

PROFESSIONAL DESIGN ENGINEER, PARSIEH ENGINEERING DESIGN OFFICE, KERMANSHAH, JUNE 2003- DEC 2009

- Performed the following activities for designing residential and commercial buildings in a range of 4 to 7 stories made with concrete and steel materials in a high seismic zone.
    - Seismic Analysis and Design:
        - Conducted rigorous seismic analysis using advanced software tools and codes tailored for high seismic zones.
        - Designed structural elements (beams, columns, shear walls) to withstand seismic forces, ensuring occupant safety effectively.
    - Foundation Design:
        - Engineered robust deep foundations, including piles, to guarantee stability in potentially liquefiable soils during seismic events.
        - Executed comprehensive bearing capacity and settlement analyses for shallow foundations.
    - Reinforcement Detailing:
        - Provided meticulous reinforcement drawings specifying steel bar size, spacing, and configuration in concrete elements.
        - Ensured all reinforcement detailing met or exceeded local building codes and stringent seismic design requirements.
    - Material Selection and Specifications:
        - Expertly selected high-strength concrete and steel materials meeting or surpassing seismic design criteria.
        - Specified precise quality control measures for concrete curing, steel fabrication, and construction practices.
    - Collaboration with Geotechnical Engineers:
        - Worked closely with geotechnical engineers to assimilate site-specific soil data and incorporate recommendations into the structural design.
    - Construction Supervision and Quality Control:
        - Conducted frequent on-site visits to monitor construction progress and ensured adherence to the approved design.
        - Performed rigorous quality control checks on concrete pours, reinforcement installation, and steel connection welding.

PROJECT MANAGER, Rahsazan-E-Bisotoon Construction Company, Kermanshah, June 2001- June 2003

- Conducted construction cost estimation and prepared bid packages for several projects, including high school building and bridge rehabilitation projects, for which the company was the main contractor.

PROJECT ENGINEER, Staje Consulting Civil Engineers Company, Kermanshah, JANUARY 2000- JUNE 2001

- Oversaw project team in designing and constructing a 108-unit multi-story residential apartment complex.
- Coordinated activities from the blueprint phase to completion while managing materials selection, cost estimates, and team activities.

External Research Grant

1. Experimental and Numerical Modeling of Pressure Grouted Helical Piles for Application in Louisiana Subsurface Soils.
    - Sponsor: Louisiana Board of Regents, ITRS program 2024-2025

- Role on Project: Consultant - a collaboration with Louisiana State University, McNeese University, and APC Construction LLC
- Project Duration: 2025/2028
- $315,000 (Pending)

2. Center for Simulated Environments and Experiences in STEM (SEE STEM) at Mississippi State University
   - Sponsor: The National Institute of Standards and Technology (NIST)
   - Role on Project: Co-PI
   - Project Duration: 2024/2027
   - $3,999,102 (Awarded)
3. Development of innovative concepts to enhance camouflage capabilities – Phase II
   - Sponsor: The United States Air Force and the Department of Defense (DoD)
   - Role on Project: CO-PI - collaboration with Pikus3D
   - Project Duration: 2024/2027
   - $1,800,000 for Phase II (Not Awarded)
4. Development of innovative concepts to enhance camouflage capabilities – Phase I
   - Sponsor: The United States Air Force and the Department of Defense (DoD)
   - Role on Project: CO-PI - collaboration with Pikus3D
   - Project Duration: 2023/2024
   - $110,000 for Phase I (Awarded)
5. Experimental and Numerical Modeling of Pressure Grouted Helical Piles for Application in Louisiana Subsurface Soils.
   - Sponsor: Louisiana Board of Regents, ITRS program 2023-2024
   - Role on Project: Consultant - a collaboration with Louisiana State University, McNeese University, and APC Construction LLC
   - Project Duration: 2024/2027
   - $315,000 (Not Awarded)
6. An innovative Building Information Model (BIM) for Digital Twin in Bridge Infrastructure Projects.
   - Sponsor: ORAU Ralph Powe Jr. Faculty Award
   - Role on Project: PI
   - Project Duration: 2022/2023
   - $10,000 (Not Awarded)

Internal Research Grant

1. Bulldog Experience Learning Liasion Grant for Undergraduate Experiential Learning
   - Sponsor: Mississippi State University BELL Grant
   - Role on Project: PI
   - Project Duration: 2024/2025
   - $5,000 (Awarded)
2. ORED Undergraduate Research Program
   - Sponsor: Mississippi State University Creative/ Office of Research and Economic Development (ORED)
   - Role on Project: PI
   - Project Duration: 2024/2025
   - $2,000 (Awarded)
3. Ottilie Schillig Special Teaching Projects Grant
   - Sponsor: Mississippi State University Creative/Center of Teaching and Learning (CTL)
   - Role on Project: PI
   - Project Duration: 2024/2025
   - $5,000 (Not Awarded)
4. Digital Twin Integration for Construction Project Management: A Case Study on Modular Home Construction

- Sponsor: Mississippi State University Creative/Research Experience for Undergraduates (C/REU)
- Role on Project: PI
- Project Duration: 2023/2024
- $1,250 (Awarded)

5. Digital Twin Integration in Modular Home Construction
   - Sponsor: CAAD Matching Expenses for Research (MER)
   - Role on Project: PI
   - Project Duration: 2023/2024
   - $1,000 (Awarded)
6. AU Conference - Digital Twin Focus.
   - Sponsor: Mississippi State University CAAD Matching Expense for Research
   - Role on Project: PI
   - Project Duration: 2023
   - $1,000 (Awarded)
7. Use of Immersive Technologies in Construction Education.
   - Sponsor: Mississippi State University CAAD Catalyst Grant
   - Role on Project: PI
   - Project Duration: 2022/2023
   - $3,000 (Awarded)

Journal Publications

1. Ahmadi, S. Y., **Hatami, A**., and Lather, J. I. "Resilience and Sustainability in Infrastructure: The Transformative Role of Digital Twins and BIM for Infrastructure Information Management." Journal of Energy & Buildings, an Elsevier title, for the special issue 'Digital twin-enabled building operations and control,' under submission, 2025.
2. **Hatami, A**., Rosti, F., and Mabrich, A. "Integrating Digital Workflows: A Comparative Analysis of Bridge Design Software" Journal of Built Environment Project and Asset Management (BEPAM), under submission, 2025.
3. **Hatami, A**., Baldwin, D., McLemore, D., Gins, J., Ahmed, S., "Transformative Potentials of 3D Concrete Printing: A Detailed Study of SpeedPanel™ Applications in Construction", Journal of Automation in Construction, under submission, 2024.
4. Morcous, G., **Hatami, A**., and Jaber, F. "A New Precast Concrete Deck System for Accelerated Bridge Construction," Journal of Advances in Civil Engineering Materials, ASTM International, 7(3), 2018.
5. **Hatami, A**., and Morcous, G. "Deterministic and Probabilistic Lifecycle Cost Assessment: Applications to Nebraska Bridges," ASCE Journal of Performance of Constructed Facilities, 29, 2015.
6. Morcous, G., Assad, S., **Hatami, A**., and Tadros, M. K., "Implementation of 0.7 in. diameter prestressing strands at 2 in. spacing in bridge girders", Accepted to Journal of Precast/Prestressed Concrete Institute, PCI, 2013.
7. Morcous, G., **Hatami, A**., Maguire, M., Hanna, K., and Tadros, M. K., "Mechanical and Bond Properties of 18 mm (0.7") Diameter Prestressing Strands," ASCE Journal of Materials in Civil Engineering, 24(6), 735-744, 2012.
8. **Hatami, A**., and Morcous, G., "Developing Deterioration Models for Lifecycle Cost Analysis of Nebraska Bridges," Journal of Transportation Research Record (TRR), 2313, 3-11, 2012.

Conference/Workshop Publications

1. Ahmadi, S. Y., **Hatami, A**., and Lather, J. I. "Assessing Infrastructure Vulnerability, Accessibility, and Resilience: Evaluating Transportation and Healthcare Networks During and After 2019 Midwest Flood Disaster in Douglas County, Nebraska," i3CE 2025 conference - American Society of Civil Engineers (ASCE) International Conference on Computing in Civil Engineering, New Orleans, Louisiana, USA, 2025.

2. Gafoori, M., Kamari, M., and **Hatami, A**. "Data-Driven Insights into Bridge Deck Condition Dynamics Using Cluster Analysis of National Bridge Inventory Data," i3CE 2025 conference - American Society of Civil Engineers (ASCE) International Conference on Computing in Civil Engineering, New Orleans, Louisiana, USA, 2025.
3. Ahmadi, S. Y., **Hatami, A**., and Lather, J. I. "Discrete Event Simulation of a Two-Lane COVID-19 Drive-Through Vaccination Clinic: Case Studies on Patient Throughput Based on Vehicle Occupancy," i3CE 2025 conference - American Society of Civil Engineers (ASCE) International Conference on Computing in Civil Engineering, New Orleans, Louisiana, USA, 2025.
4. **Hatami, A**., Rosti, F., and Mabrich, A. "Technology and Challenges in Use of Bridge Information Modeling (BIM) for Digital Twin in Bridges," i3CE 2024 conference - American Society of Civil Engineers (ASCE) International Conference on Computing in Civil Engineering, Pittsburgh, Pennsylvania, USA, 2024.
5. **Hatami, A**., and Rokoeei, S. "A Comparative Review of Internship and Co-Op in Construction Education," 14th International Conference on Construction in The 21st Century (CITC-14), Rio de Janeiro, Brazil, 2024.
6. **Hatami, A**., "Use of iTwin Technology in Construction," International Bridge (IBC) Conference, IBC W05 Workshop, National Harbor, MD, 2023.
7. Ford, G., Rokooei, S., and **Hatami, A**. "Municipal wastewater systems management and maintenance," Mississippi Water Resources Conference, Starkville, MS, 2023.
8. Morcous, G., and **Hatami, A**. "Developing Deterioration Models for Lifecycle Cost Analysis of Bridges," Submitted to American Concrete Institute (ACI) Convention, San Francisco, CA, USA, 2023.
9. **Hatami, A**. "Digital twins for infrastructure projects', Four hours online International Scientific Workshops, Razi University Civil Engineering Department, Virtual, 2022.
10. Rokooei, S., Garshasby, M., and **Hatami, A**., "Cross Review of Collaboration in a Design-Build Studio," 129th Annual Conference & Exposition. American Society for Engineering Education, Minneapolis, Minnesota, MN, 2022.
11. **Hatami, A**., and Mabrich, A., "Application of 3D Bridge Information Modeling in the Lifecycle of Bridges", The International Association for Bridge and Structural Engineering (IABSE), New York, NY, 2019.
12. **Hatami, A**., and Pathak, R., "Hybrid Analytical Modeling of Bridge Structures: An Innovative Approach," The International Association for Bridge and Structural Engineering (IABSE), Nantes, France, 2018.
13. Pathak, R., **Hatami, A**., and Bhide, S., "Wind Buffeting in Time Domain Analysis of Long-Span Bridges using RM Bridge," The International Association for Bridge and Structural Engineering (IABSE), Vancouver, Canada, 2017.
14. Papinutti, M., Bruer, A., Marley, M., Kvaleid, J., **Hatami, A**., Pathak, R., and Bhide, S., "A frequency domain tool for investigation of wind response of TLP suspension bridges," The International Association for Bridge and Structural Engineering (IABSE), Vancouver, Canada, 2017.
15. **Hatami, A**. et al. l, Young Engineers Workshop "Bridge Dynamic Response by Design," The International Association for Bridge and Structural Engineering (IABSE), Held Sep 20, 2017, at Vancouver, Canada.
16. **Hatami, A**., and Morcous, G., "Life Cycle Cost Assessment for Bridge Management: An Application to Nebraska Bridges," The American Society of Civil Engineers (ASCE) ICCCBE2014, Orlando, FL, 2014.
17. **Hatami, A**., and Morcous, G., "Developing Deterioration Models for Life Cycle Cost Analysis Of Nebraska Bridges," 91st Annual Meeting of the Transportation Research Board, Washington (TRB), DC, 2012.
18. **Hatami, A**., and Morcous, G., "Life Cycle Cost Analysis of Replacing Deteriorated Expansion Joints - A Case Study of an Existing Highway Bridge in the State of Nebraska," The 2nd annual Student Capstone & Research Conference in Engineering, Information Science and Technology, Omaha, April 2012.
19. **Hatami, A**., Morcous G., Hanna K. E., Tadros, M. K., "Evaluating the Bond of 0.7 in. Prestressing Strands for Concrete Bridge Girders", Proceeding of the 90th Annual International Meeting of Transportation Research Board (TRB), Washington D.C., USA, Jan 2011.

20. Lashgari, M., **Hatami, A**., and Norton, T. R., "Flexural Reliability Analysis of NU Girders," PCI Convention and National Bridge Conference, Salt Lake City, UT, Oct 2011.
21. **Hatami, A**., and Morcous, G., "Job-Built Insulated Concrete Forms (ICF) for Building Construction," Proceeding of the 47th ASC Annual International Conference, Omaha, Neb., April 6 – 9, 2011.

Technical Reports

1. **Hatami, A.,** McLemore, D., Gines, J., Ahmed, S., and Baldwind, D., "Commercial Considerations for the Design, Engineering, Fabrication, and Construction of Parametric 3DCP Facades", Whitepaper Submitted to Pikus3D, Air Force STTR X23.E Project, Aug 2024.
2. Papinutti, M., **Hatami, A.**, Pathak, R., and Bhide, S., "Wind Buffeting in Time Domain in RM Bridge," Final Report, Bentley Systems Inc, Aug 2016.
3. Morcous, G., and **Hatami, A**., "Evaluating the Constructability of NUDECK Precast Concrete Deck Panels for Kearney Bypass Project," Final Report, Project Number SPR-P1 (13) M336, Nebraska Department of Roads (NDOR), Feb 2015.
4. Morcous, G., and **Hatami, A**., "Implementation of Precast Concrete Deck System NUDECK (2nd Generation)", Final Report, Project Number SPR-P1 (13) M323, Nebraska Department of Roads (NDOR), November 2013.
5. **Hatami, A**., and Morcous, G., "Life Cycle Cost Assessment of Nebraska Bridges," Final Report, Project Number SPR-P1 (12) M312, Nebraska Department of Roads (NDOR), November 2012.
6. **Hatami, A**., and Morcous, G., "Developing Deterioration Models for Nebraska Bridges," Final Report, Project Number SPR-P1 (11) M302, Nebraska Department of Roads (NDOR), May 2011.

Scientific Committee Services

- **Education Committee Member,** The American Society of Civil Engineers (ASCE) International Conference on Computing in Civil Engineering (i3ce), 2024-2026
- **Visualization, Information Modeling, and Simulation (VIMS) Committee Member,** ASCE i3ce, 2024-2026
- **Global Center Committee Member,** ASCE i3ce, 2024-2026
- **Reviewer,** International Conference on Construction in the 21st Century (CITC-14), 2024
- **Reviewer,** the Journal of Built Environment Project and Asset Management (BEPAM), 2024-2025
- **Reviewer,** Construction Research Congress (CRC), 2023
- **Reviewer,** Associated School of Construction (ASC), 2023
- **Evaluator,** Associated School of Construction (ASC), International Outstanding Researcher Award, 2022
- **Reviewer,** International Bridge Conference (IABSE), 2020
- **Reviewer,** International Association for Bridge and Structural Engineering (IABSE), 2017-2019
- **Reviewer,** The American Society of Civil Engineers (ASCE) ICCCBE, 2014
- **Reviewer,** Precast/Prestressed Concrete Institute (PCI), 2013
- **Reviewer,** Transportation Research Board (TRB), 2011-2012

University Services

- Mississippi State University – Building Construction Science Department Curriculum Committee Chair, 2025-Present
- Mississippi State University – Associated Builders and Contractors (ABC) Student Chapter Advisor, 2025-Present
- Mississippi State University – Building Construction Science Faculty Search Committee, Chair 2023-2024.
- Mississippi State University – Building Construction Science Department Curriculum Committee Vice Chair, 2023-2024
- Mississippi State University - College of Architecture, Art, and Design (CAAD) Research Committee

Member, 2022-Present
- Mississippi State University - College of Architecture, Art, and Design (CAAD) Study Abroad Task Force Member, 2023-Present
- Mississippi State University – Building Construction Science Department Curriculum Committee Member, 2021-2023
- Mississippi State University – Building Construction Science Director Search Committee Member, 2022-2023
- Mississippi State University – Building Construction Science Faculty Search Committee Member, 2021-2023
- Mississippi State University - College of Architecture, Art, and Design (CAAD) Diversity, Equity, and Inclusion Committee (DE&IC) Member, 2021-2022

Leadership & Affilations

- **Associated Schools of Construction (ASC)** (2021-Present)
- **Project Management Institute (PMI)** (2018-Present)
- **Member-American Concrete Institute (ACI)** (2010-Present)
- **Member-American Society of Civil Engineering (ASCE)** (2010-Present)
- **Member-Precast/Prestressed Concrete Institute (PCI)** (2010-2015)
- **Member-American Segmental Bridge Institute (ASBI)** (2016-2021)
- **Member-The International Association for Bridge and Structural Engineering (IASBE)** (2017-Present)
- **President-Peter Kiewit Institute-Graduate Students & Professionals Association,** Omaha, NE (2011-2012)
- **President-Sigma Lambda Chi-Chi III,** International Construction Engineering Honor Society (2012-2013)

Honors & Awards

- **The Outstanding Graduate Student Leadership Award,** University of Nebraska-Lincoln College of Engineering, 2014
- **The Graduate Scholarship** from the Nebraska Chapter of American Concrete Institute (ACI) - 2012
- **Best Presentation Award**, PKI Capstone Conference, 2012
- **Milton E. Mohr Fellowship**, University of Nebraska-Lincoln College of Engineering, 2011
- **UNL Recruitment Fellowship**, University of Nebraska-Lincoln, 2010-2014