

NAHID VESALI

PROFESSIONAL EXPERIENCE

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|----------------------------------------------------------------|--------------------|
| [Aug 2025- present] <u>Department Head</u> | |
| Engineering Leadership & Program Management, The Citadel | Charleston, SC |
| [May 2024- present] Product/Technical Lead | |
| IMPACT Advising LLC | Mount Pleasant, SC |
| [May- June 2022] <u>Project Planning Consultant</u> | |
| Santee Cooper, SC Power & Water Utility | Charleston, SC |
| [Aug 2020- present] <u>Assistant Professor</u> | |
| Engineering Leadership & Program Management, The Citadel | Charleston, SC |
| [Jan- Jul 2020] <u>Adjunct Professor</u> | |
| Civil, Environmental & Construction Eng. Dep., The Citadel | Charleston, SC |
| [Feb - Aug 2018] <u>Assistant Project Manager</u> | |
| Plaza Construction Group Florida, LLC | Miami, FL |
| [Apr 2017- Feb 2018] <u>Quality Control Coordinator</u> | |
| Plaza Construction Group Florida, LLC | Miami, FL |
| [Jan -Apr 2017] <u>Post-Doctoral Associate</u> | |
| Florida International University, OHL School of Construction | Miami, FL |
| [2012-2016] <u>Teaching Assistant</u> | |
| Florida International University, OHL School of Construction | Miami, FL |
| [2010-2011] <u>Lecturer (Undergraduate courses)</u> | |
| Tehran Technical College of Dr. Shariaty | Tehran, Iran |
| [2009-2011] <u>Building Inspector</u> | |
| City of Tehran | Tehran, Iran |
| [2006-2011] <u>Quality Control Manager (QC)</u> | |
| Material Testing Lab, Soroush Concrete Company | Tehran, Iran |

[2005-2006] **Project Engineer**
Parmis Saze Contacting Company

Tehran, Iran

[2004-2005] **Engineering Intern (CAD drafter)**
Pardisan Consulting Company

Tehran, Iran

PUBLICATIONS

1. **Vesali, N.** (2025) "Developing Critical Thinking in Engineering Management through AI-Based Scheduling Assignments: A Study of Copilot, ChatGPT, Gemini and PMI Infinity." *In 2025 ASEE Annual Conference & Exposition.* – Received Best Paper Award in Eng. Management Division
2. Singleton, E.T., Oruc, O., Ragan, D.D., **Vesali, N.** and Williams, A.B., (2025) "The First AI+ Health & Humanoids Camp for Underrepresented Minority Middle School Girls in South Carolina." *In 2025 ASEE Annual Conference & Exposition.*
3. **Vesali, N.** and Batouli, M. (2025) The Case for a Separate FE Exam for Construction Engineering: Addressing Curriculum Discrepancies and Student Performance. *In 2025 ASEE Southeast Conference.*
4. Batouli, M., Ghanat, S.T. and **Vesali, N.** (2025) "Mapping the Path to KEEN Fellowships: Trends, Insights, and Impacts from 2020-2024." *In 2025 ASEE Southeast Conference.*
5. **Vesali, N.**, Greenburg, D., Batouli, M., Singleton, E. and Williams, A. (2024). "Artificial Intelligence and Machine Learning Applications in Engineering Project Management: Developing A Course Module" *2024 ASEE Southeastern Section Conference*
6. Batouli, M., Burke, R., Welch, R. W., & **Vesali, N.** (2023). "From Need Assessment to Accreditation: Lessons Learned from Creating a New Construction Engineering Program." *2023 ASEE Annual Conference, Baltimore, MD, 25-28 June 2023*
7. **Vesali, N.**, Batouli, M. (2023). "A Game-Based Approach to Teach Delegation and Organizational Structure to Engineering Students" *ASEE Southeastern Section, Fairfax, VA - March 12-14, 2023*
8. Khalili, B., Ali Abbaspour, R., Chehrehghan, A., & **Vesali, N.** (2022). "A context-aware smartphone-based 3D indoor positioning using pedestrian dead reckoning". *Sensors*, 22(24), 9968.
9. Rabb, R., **Vesali, N.** (2022) "Design of a Mechanical, Electrical, and Plumbing (MEP) Course to Enhance a New Construction Engineering Program" *2022 ASEE Annual Conference, Minneapolis, MN- Jun 26-28, 2022*
10. Batouli, M., Shamsi, N., **Vesali, N.**, Burke, R. (2022) "A Data-Driven Comparison of ABET Accredited Construction Engineering and Construction Management Programs" *2022 ASEE Annual Conference, Minneapolis, MN- Jun 26-28, 2022*
11. **Vesali, N.**, Shick, M., Greenburg, D., Canulli, G. (2022) "Assessing Effectiveness of K-12 Outreach Programs in Attracting Underrepresented Students to Engineering

Programs: State of the Practice" ASEE Southeastern Section, Charleston, SC- March 13-15, 2022

12. Greenburg, D., **Vesali, N.**, and Michalaka, D. (2021) "An Innovative Approach to Teaching Project Resource Leveling" 2021 ASEE Virtual Annual Conference Content Access.
13. Greenburg, D., Michalaka, D., and **Vesali, N.** (2021) "Teaching Students to Use Event Based Modeling to Evaluate Schedule Risk" ASEE Southeastern Section Virtual Conference
14. Batouli, M., **Vesali, N.**, Wood, T.A., Niksiar, P. (2021) "Strategies for Student Engagement in Hybrid Class Environment" ASEE Southeastern Section Conference
15. Bayraktar, M. E., Arif, F., Ponder, D., Prozzi, J., & **Vesali, N.** (2016). Opportunities for value extraction projects in highway rights-of-way and development of feasibility assessment tool. *Journal of Construction Engineering and Management*
16. **Vesali, N.**, Bayraktar, M.E., and Ozen, H. (2016). "A Conceptual Framework for Assessment of Project Alternatives in the Front-End Phase of Major Transportation Projects" In *Construction Research Congress 2016*.
17. **Vesali, N.**, Bayraktar, M. E., & Ozen, H. (2015). Method for Comparing Perceived Economic Impacts of Mega Transportation Project Alternatives. In *International Interdisciplinary Business-Economics Advancement Conference* (p. 352).
18. **Vesali, N.**, Bayraktar, M.E. (2014), "Toward Sustainable Infrastructure: Comparing environmental impacts of potential sources of value extraction from highway right-of-way" *Project Management Symposium 2014- June 9-10, 2014, College Park, MD, US*
19. **N.Vesali**, M.Batouli, M.Hosseinalipour, (2010)"Factors Influencing Bid/No-Bid Decision of Iranian Construction Contractors", 6th *International project Management Conference, Tehran, Iran (in Farsi)*
20. Batouli, M, **Vesali, N.**, Ghoddousi, P. (2010) "Contractor Selection Criteria: Investigation of Opinions of Iran Construction Practitioners", 6th *International project Management Conference, Tehran, Iran (in Farsi)*
21. Batouli, M., **Vesali, N.**, Hosseinalipour, M. (2007) "Time- Cost- Quality Trade-off analysis, Feasibility of the method in Iran's construction industry", 8th *Conference of industrial engineering of Amirkabir university, Tehran, Iran (in Farsi)*

ORAL PRESENTATION

[March 2025] **PMXPO2025**

Global Online event with over 19000 live attendees.

Title: "AI in Project Management: Embracing Challenges, Seizing Opportunities and Mastering Essential Skills"

Co-speaker: Mostafa Batouli, PhD, MPM, PE

[Nov 2025] **PMI Global Summit 2025**

Will be held in Phoenix, Arizona and recording will be available for PMI members.

Title: “*Selecting the Best AI Assistant: Interviewing LLMS for Project Management Success*”

EDUCATION

[2012- 2016] *Ph.D. in Civil Engineering*

Florida International University, Department of Civil and Environmental Engineering, Miami, FL

Thesis title: A Comprehensive Decision Support Framework in the Front-end Phase of Major Transportation Projects

[2006-2009] *M.Sc. in Construction Engineering and Management*

Islamic Azad University, Science and Research Branch, Tehran, Iran

Thesis title: Factors affecting on making bid/no-bid and mark-up size decisions by large contractors in Iran

[2001-2006] *B.Sc. in Civil Engineering*

Iran University of Science and Technology, Tehran, Iran

PROFESSIONAL LICENSES & CERTIFICATES

- ✓ PE (Civil Eng., State of SC)
- ✓ PMP
- ✓ OSHA 30

TRAINING AND PROFESSIONAL DEVELOPMENT

[May 2025] COMPASS for EM Assessment

Engineering Unleashed Faculty Development Workshop

[Mar- Apr 2025] AI Agility 30-Day Challenge

Faculty Training provided by HumanSkills.ai

[Jul-Aug 2023] Machine Learning Professional Development Intensive for Teachers
Continuing Studies Program, Stanford University

[Oct-Nov 2023] Machine Learning Professional Development Intensive Part II for Teachers
Continuing Studies Program, Stanford University

[Aug 2023] Unleashing Academic Change
Engineering Unleashed Faculty Development Workshop

[Apr 2023] Delta Junior Faculty Workshop
Developing Engineering Leaders of Tomorrow in the Academy, American Society for Eng. Education

[Aug 2022] Enhance Diversity, Equity & Inclusion through Entrepreneurial Mindset Learning
Engineering Unleashed Faculty Development Workshop

PROFESSIONAL SERVICE & MEMBERSHIP

National:

- ✓ NCEES PE Civil Exam Development Committee Member
Volunteered to write Professional Engineering licensure exam questions at NCEES headquarter
- ✓ NCEES FE Civil Exam Development Committee Member
Volunteered to write Fundamental Engineering licensure exam questions at NCEES headquarter
- ✓ CDEI Delegate for Engineering Management Division of ASEE
- ✓ Former Chair of Engineering Design Graphics Discipline, at Society for Engineering Education-Southeast Section (ASEE-SE)
- ✓ Member of Society of Women Engineers (SWE) and
- ✓ Member of American Society for Engineering Education (ASEE)
- ✓ Member of Project Management Institute (PMI)
- ✓ Active Reviewer- Construction Division of ASEE Conference
- ✓ Active Reviewer- Construction Division of ASEE-SE Conference

College-wide:

- ✓ Chair of Faculty Award Committee at The Citadel
- ✓ Current member of Graduate College Committee at The Citadel
- ✓ Faculty advisor of the Citadel SWE student chapter
Volunteered to organize the annual "Introduce A Girl to Engineering" event held by student chapter and local professional chapter of the Society of Women Engineers (SWE) at The Citadel in conjunction with the local Girl Scouts council
Volunteered to accompany SWE student officers at the National SWE Conference
- ✓ Former member of Undergraduate Curriculum Committee at The Citadel

TEACHING EXPERIENCE

- *At The Citadel*
 - PMGT 650 Overview of Technical Project Management cross listed with CSCI 634 Project Change Management (Online)

PMGT 651 Technical Project Planning & Scheduling (F2F, hybrid and Online)
 PMGT 652 Application of Quality Management (Online)
 PMGT 653 Technical Project Support & Operations (Online)
 PMGT 680 Systems Engineering Fundamental (Online)
 PMGT 690 Independent Study
 PMGT 401 Project Management Career Skills (F2F and Hybrid)
 CIVL 411 Engineering Management
 CIVL 331 Statistics for Civil and Construction Engineering
 CONE 415 Project Management & Engineering Admin
 CONE 450 Facilities Operation & Maintenance-BIM

- *At Florida International University (TA and co-instructor)*
 Mentor of 2 guest students during their internship
 BCN 2402 Structural Design I: 3 semesters
 BCN 3753 Financial Management of Construction Organizations
 BCN 3720 Construction Scheduling I
 BCN 6916 Developments in Construction Technology
 BCN 6775 Decision and Risk Analysis in Construction
 BCN 5618 Fundamentals of Construction Estimating
 BCN 5626 Construction Cost Analysis and Control
- *At Tehran Technical College of Dr. Shariaty*
 Statics
 Mechanics of Material

RESASERCH EXPERIENCE/INTERESTS

[Current focus]

- Integrating AI into Project Management Process
- Evaluating Teaching AI in Engineering Management and/or Project Management programs nationwide

[Aug 2020- Dec 2022]

- Application of Building Information Modeling and Virtual Reality in Educating Future Construction Professionals
- Assessing Effectiveness of K12 Outreach Programs in Attracting Underrepresented Students to Engineering Programs

[Oct 2022- May 2024]

“Modeling the Coupled Effects of Sea-Level rise and Electric Vehicles on Low Lying Coastal Roads”

Co- Principal Investigator: Dr. Mostafa Batouli
Co- Principal Investigators: Dr. Nahid Vesali
Funded by the Near Center for Climate Studies at The Citadel

[Sep 2014-Oct 2015]

“Optimizing Decision-Making in the Front-End Phase of Major Transportation Projects: A Comprehensive Decision Support Framework”

Principal Investigator: Dr. M. Emre Bayraktar
Funded by Ministry of Transport in Turkey

[Aug 2012-Aug 2013]

“Opportunities on the State Highway System to Generate Revenue or Offset Expenditures For The State of Florida”

Principal Investigator: Dr. M. Emre Bayraktar
Funded by FDOT

[Sep 2011-Jun 2013]

“Life Cycle Based Assessment of Sustainable Practices in the Natural Stone Industry”

Principal Investigator: Dr. M. Emre Bayraktar
Funded by: Stoneline Group, LLC, Miami, FL

COMPUTER SKILLS

Programming Language: Intermediate in Python and Visual Basic
Technical Software: Autodesk Revit, AutoCAD, ArcGIS, AgenaRisk
Tools: MS Project, P6, Microsoft Office

LANGUAGE SKILLS

- ✓ English (Professional working proficiency)
- ✓ Persian (Native language)
- ✓ Turkish/Azeri (Mother tongue)

REFERENCES

Dr. David S. Greenburg, CPL, PMP, Professor Emeritus, Former Department Head, Department of Engineering Leadership & Program Management, The Citadel School of Engineering, dgreenbu@citadel.edu

Dr. William J. Davis, PE, Professor, Dept. Head & D. Graham Copeland Professor of Civil Engineering, Civil & Environmental Engineering, Construction Engineering, The Citadel School of Engineering, davisj7@citadel.edu

Dr. Robert Rabb, PE, Associate Dean, College of Engineering, Penn State University,
rzt5557@psu.edu

Alfredo Sanabria, PE, Project Manager, Plaza Construction Group Florida, LLC,
alfred.sanabria@gmail.com