

Redha Gheraba, Ph.D.

Senior Project Manager, Capital Projects & Campus Infrastructure

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EDUCATION

Ph.D., Civil Engineering, Texas Tech University, 2024
Ph.D., Environmental Design, Texas Tech University, 2020
Graduate Certificate, Architecture - The Architectural Imagination, Harvard Graduate School of Design, 2018
M.S., Civil Engineering - Construction Engineering & Management, Texas Tech University, 2017
M.S., Environmental Design, Texas Tech University, 2014
Graduate Certificate, Construction Engineering & Management, Texas Tech University, 2014
Bachelor Degree in Architecture & Building Engineering, University of Constantine, 2010

PROFESSIONAL AFFILIATIONS

American Institute of Architects (AIA)
Union of International Architects (UIA)
American Society of Civil Engineers (ASCE)
ASCE Construction Institute (CI)
ASCE Architectural Engineering Institute (AEI)
American Concrete Institute (ACI)
Construction Owners Association of America (COAA)
International Facility Management Association (IFMA)
Association of Physical Plant Administrators (APPA)
Environmental Design Research Association (EDRA)
American Society for Engineering Education (ASEE)



AT A GLANCE

With more than 20 years of combined experience in the Architecture, Engineering, and Construction (AEC) industry, Dr. Gheraba is a multidisciplinary facilities and capital projects leader with expertise spanning architecture, civil engineering, construction engineering and management, environmental design, and institutional facilities. His career encompasses the full life cycle of the built environment—from strategic planning, programming, and design through budgeting, procurement, construction, commissioning, occupancy, operations, and post-occupancy performance.

Dr. Gheraba has led multidisciplinary teams and served as an owner's representative on complex capital programs and projects across higher education, healthcare, research, athletics, and public-sector environments. His portfolio represents more than \$1.7 billion in planning, design, and construction programs, including major academic, research, clinical, athletic, infrastructure, and campus development initiatives. He brings a comprehensive understanding of project delivery, integrating design excellence and technical performance with fiscal stewardship, schedule accountability, risk management, constructability, operational continuity, and long-term asset performance.

With professional experience as an architect, engineer, construction and facilities professional, educator, researcher, and owner's representative, Dr. Gheraba brings a distinctive interdisciplinary perspective to institutional capital development. His combination of technical expertise, research-informed decision-making, collaborative leadership, and commitment to quality enables him to translate complex project challenges into successful built-environment solutions that advance institutional priorities and create lasting value.

SELECTED AWARDS

- 2023 - Marquee Green Building Award, USGBC South Central Region
- 2021 - Certificate of Research Excellence (CORE), EDRA
- 2021 - Great Places Award - Research, EDRA
- 2020 - TTU Graduate School Presidential Fellowship in Engineering
- 2019 - 1st Place, TTU Graduate Research Competition
- 2018 - 2nd Place, TTU Graduate Research Competition
- TTUHSC Award of Excellence in Construction Management
- Quality Staff and Project Management Excellence Award

SELECTED SCIENTIFIC PUBLICATIONS

- Gheraba, A. R., Pati, D., Fedler, C. B., Schmidt, M., Molina, M. S., & Nejat, A. (2023). A comparative analysis of visualization methods in architecture: Employing virtual reality to support decision-making in the AEC industry. *Journal of Civil Engineering and Architecture*, 17(2), 74-90.
- Gheraba, A. R., Fedler, C. B., Pati, D., Schmidt, M., Darwish, M., Nejat, A., & Wade, B. (2023). Causes, effects, and control measures of construction change orders in the United States. *Journal of Civil Engineering and Architecture*, 17(2), 57-72.
- Hossein, M. & Gheraba, A. (2019). Zero Net Energy Buildings. American Society for Engineering Education Conference Proceedings, Tampa, Florida.
- Gheraba, A. 5th Macro Conference on Technology and Innovation, "Employing Building Information Modeling and Virtual Reality to Support the Decision-Making Process in the Planning, Design, and Construction Industry" Paris, France. (2017)
- Gheraba, A. IAFOR International Conference on Education, "AN EVIDENCE BASED GREEN DESIGN USING BUILDING INFORMATION MODELING", Dubai, UAE. (2016)

CURRENT ROLE

- Provide full-lifecycle owner's-representative leadership for concurrent capital, renovation, research, and campus infrastructure projects at Southern Methodist University.
- Direct architects, engineers, contractors, specialty consultants, and university stakeholders while maintaining accountability for scope, budget, schedule, quality, risk, constructability, and regulatory compliance.
- Lead programming, design governance, procurement, construction execution, commissioning, occupancy, and post-occupancy coordination.
- Advise campus leadership and facility users on building standards, infrastructure modernization, project controls, long-term asset performance, and institutional priorities.

RECENT SMU PROJECTS

- Rees-Jones Library of the American West 2027
Major library capital project involving architectural, structural, MEP, specialty systems, commissioning, furniture, display cases, closeout, and owner coordination.
- Darwin Deason Institute for Cyber Security 2026
Research and technology environment supporting advanced cybersecurity education, interdisciplinary research, and innovation.
- Center for Digital and Human-Augmented Manufacturing 2026
Advanced manufacturing research environment supporting digital manufacturing, robotics, automation, and human-machine collaboration.
- Lyle School of Engineering - AI & Autonomous Systems Laboratories 2026
Specialized research laboratories supporting artificial intelligence, autonomous systems, computing, controls, and interdisciplinary engineering research.
- Lyle Engineering Teaching & Research Laboratories 2026
New mechatronics, thermodynamics, fluid mechanics, and Energy Storage Research Cluster laboratories, including specialized MEP, equipment, utility, safety, and end-user coordination.
- Starbucks at Fondren Library 2026
Renovation and fit-out within an active library environment integrating food-service, architectural, MEP, life-safety, and operational requirements.

SELECTED PRIOR HIGHER EDUCATION PROJECTS

- Virginia Tech Innovation Campus - \$1B Multi-Phase Campus Development
- Texas Tech University School of Veterinary Medicine - \$105M
- TTUHSC School of Medicine Extension, University Center & Academic Event Center - \$72.5M
- Jones AT&T Stadium South End Zone Renovation - \$60M
- Texas Tech University Football Training Facility - \$40M
- Womble Basketball Practice Facility - \$29M
- Jones AT&T Stadium Athletics Administrative Offices - \$9.5M
- Lubbock Auditorium & Coliseum Demolition - \$2.5M
- Healthcare/research portfolio: clinical labs, urgent care, operating rooms, BAS, HVAC/MEP, landscape/respite spaces, parking, and civil work.