



Name: Dr. Ahmed Said Saad
Rank: Associate Professor - Civil Engineering
Title: Head of Civil Engineering Department

Personal Information

Nationality: United States
AU Joining Date: 01 May 2016
E-Mail Address: a.said@au.edu.kw

Professional Information

Education:

Qualification: Doctorate
Major: Civil & Environmental Engineering
College/University: University of Nevada, USA
Year: 2013

Qualification: Masters
Major: Civil & Environmental Engineering
College/University: University of Nevada, USA
Year: 2009

Qualification: Bachelor of Science
Major: Civil Engineering - Structural
College/University: Ain Shams University, Cairo, Egypt
Year: 2004

Specialization:

- Structural Engineering
- Bridge Engineering
- Seismic Analysis and Evaluation of Structures
- Sustainable Construction Materials

Current Academic Position: Associate Professor - Civil Engineering

Current Professional Positions:

- Licensed Professional Engineer in California (#80949).
- Member of the American Society of Civil Engineers.
- Member of the Egyptian Syndicate of Engineers.

Previous Administrative Position Held:	- Head of the Civil Engineering Department at the Australian University - Kuwait (Current)
Previous Academic Positions Held:	- 2007-2009: Research and Teaching Assistant at the University of Nevada Las Vegas; - 2009-2013: Research Assistant at the University of Nevada Reno.
Fellowships And Honors:	Summer 2013: Post-Doctoral Fellow at the University of Nevada, Reno
Teaching Experience:	- Summer/Fall 2013: at the University of Nevada Reno, USA - May 2016-May 2023: Assistant Professor at the Civil Engineering unit at AU - May 2024-present: Associate Professor at the Civil Engineering unit at AU <u>Courses Taught:</u> - Concrete Structures 1 - Concrete Structures 2 - Advanced Reinforced Concrete Design - Steel Structures - Statics - Solid Mechanics - Strength of Materials - Basic Construction - Civil Construction - Engineering Skills (PBL) - Engineering Design & Management Planning (PBL) - Water & Environmental Design (PBL) - Engineering Mathematics 1 - Ethics & Practice - Environmental Engineering - Graduation Project Supervision (Planning & Implementation) - Internship student supervision – for all Engineering disciplines
Industrial And Technical Experience:	- 2005-2007: Structural Engineer at Dar Al-Handasah (Shair & Partners) in Cairo, Egypt. - 2013-2016: Structural/Bridge Engineer (HDR, Inc.) in Nevada and California, USA.
Research Interest:	- Structural and Bridge Engineering - Seismic evaluation of structures and bridges - Sustainable materials in civil/structural engineering - Retrofitting & rehabilitation of structures - Large-scale structural testing

	- Application of advanced materials and innovative ideas in civil engineering
Research Grants:	- Integrated Criticality Assessment of Kuwait Highway Bridges Utilizing AI Technologies Grant#: IRC-2022/2023-COE-CE-PR02 Role: Co-Investigator Funding Organization: Australian University - Kuwait - Evaluation of Compressed Earth Blocks as A Sustainable Alternative in Kuwait Construction Grant#: CR19-15EV01 Role: Principal Investigator Funding Organization: Kuwait Foundation for the Advancement of Sciences - Evaluating Compressed Earth Blocks as a Sustainable Alternative of Construction in Kuwait Through Large-Scale testing Grant#: IRC-2018-19-SOE-CE-PR02 Role: Principal Investigator Funding Organization: Australian University - Kuwait - Structural Retrofitting with Post-Tensioned Cables Using Actively Controlled Mechanical Devices Grant#: IRC-2017-18-SOE-CE-PR01 Role: Principal Investigator Funding Organization: Australian University – Kuwait - Comprehensive Modeling and Prototyping of the Kuwaiti Water Distribution System Grant#: PR19-15EV-03 Role: Co-Investigator Funding Organization: Kuwait Foundation for the Advancement of Sciences - Effect of Raveling on the performance of Hot Mix Asphalt under Arid Climatic Conditions: Case Study in Kuwait - Phase II: Implementing the Superpave Mix Design Method for Kuwaiti Roads - Phase III: Performance Life using Mechanistic-Empirical Analysis of Improved Asphalt Mixtures Grant#: CR20-15EV-01 Role: Co-Investigator

	Funding Organization: Kuwait Foundation for the Advancement of Sciences
Research and Publications including Journal and Books:	- Saad, A., Ahmed, T., Lakys, R., Radwan, A., Hefny, M., In-plane structural performance of Compressed Earth Block walls strengthened with carbon fiber reinforced polymer under quasistatic loading, Innovative Infrastructure Solutions 10, no. 7: 281, 2025. - Yassin, M. H., Farhat, M. H., Nahas, M., & Saad, A. S., Investigation of fiber Bragg grating sensor measurability in concrete beams under static load conditions. Heliyon, 10(22), 2024. - Ahmed, T., Singh, A., Hajj, E., & Saad, A., Modification of Mix Design Characteristics to Improve Performance of In-Service Raveled Pavements in Arid Climatic Regions: Case of Kuwait. In Airfield and Highway Pavements (pp. 75-86), 2023. - Saad, A., Ahmed, T., Radwan, A., "In-plane Lateral Performance of AAC Block Walls Reinforced with CFPR Sheets," Buildings, 12 (10), 1680, 2022. - Lakys, R., Saad, A., Ahmed, T., & Yassin, M. H., "Investigating the drivers and acceptance of sustainable materials in Kuwait: A case study of CEB," Case Studies in Construction Materials Journal, 17, e0133, 2022. - Mabrok, M. A., Saad, A., Ahmed, T., & Alsayab, H. "Modeling and simulations of Water Network Distribution to Assess Water Quality: Kuwait as a case study," Alexandria Engineering Journal, 61(12), 11859-11877, 2022. - Saad, A., Ahmed, T., Yassin, M., Radwan, A., Ezzedine, A., "Out-of-Plane Structural Performance of Compressed Earth Block Walls Subject to Quasistatic Loading," Advances in Civil Engineering Materials Journal, 11 (1), 33-46, 2022. - Ahmed, T., Salem, M., Saad, A., Alaqqad, A. R., "Improving the Traffic Flow in Hot Arid Climate Areas by Implementing a Monorail Light Rail Transit System: Case of Kuwait," American Journal of Engineering and Applied Sciences, 14(1), 103-111, 2021. - Saad, A., Mabrok, M., "Retrofitting of bridge superstructures using negative imaginary control theory," International Journal of Control, 95(7), 1970-1978, 2021. - Saad, A., Sanders, D., Buckle, I., "Experimental Evaluation of Foundation Rocking Behavior Using Large-Scale Shake Table Testing," ASCE Journal of Bridge Engineering, 23(11), 04018088, 2018.
Paper Presentations at Professional Conferences:	- Saad, A., Ahmed, T., Lakys, R., Radwan, A., Improving the structural performance of environmentally friendly block walls, Proceedings of the 10th World Congress on Civil, Structural, and Environmental Engineering (CSEE 2025), Barcelona, Spain, April 9-12, 2025.

- Ahmed, T., Saad, A., Kazem, A., Radwan, A., AlMutairi, A., Ashkanani, S., Large-scale test setup of concrete pavement slabs jointed by carbon fiber reinforced polymer dowel bars as load transfer devices, in: Maintenance and Rehabilitation of Constructed Infrastructure Facilities, Honolulu, Hawaii, August 16-19, 2023.
- Ahmed, T., Singh, A., Hajj, E., Saad, A., Performance Life Using Mechanistic–Empirical Analysis of Asphalt Mixtures in Arid Climatic Conditions—Case of Kuwait in: Maintenance and Rehabilitation of Constructed Infrastructure Facilities, Honolulu, Hawaii, August 16-19, 2023.
- Ahmed, T., Singh, A., Hajj, E., & Saad, A., Performance Life Using Mechanistic–Empirical Analysis of Asphalt Mixtures in Arid Climatic Conditions—Case of Kuwait. Engineering Proceedings, 36(1), 10, 2023.
- Saad, A., Ahmed, T., Lakys, R., & Radwan, A., “Northern Kuwait Soil Evaluation in Producing Environmentally Friendly Blocks,” 7th World Congress on Civil, Structural, and Environmental Engineering (CSEE'22), Lisbon, Portugal, April 10-12, 2022.
- Lakys, R., Saad, A., Ahmed, T., “CEB as Potential Alternative Sustainable Material in Construction Industry: Survey on the Level of Acceptance in Kuwait,” 7th World Congress on Civil, Structural, and Environmental Engineering (CSEE'22), Lisbon, Portugal, April 10-12, 2022.
- A. S. Saad, F. M. Al-Enezi, H. A. Al-Sayab, Z. H. Al-Zayed, F. H. Awwad, S. N. Al-Muhanna, Compressed earth blocks: A sustainable construction alternative, in: Gulf Conference on Sustainable Built Environment, Springer, 2020, pp. 157–168
- Saad, A., Sanders, D., Buckle, I., “Seismic Behavior of a Curved Bridge on Rocking Foundations,” 7th National Seismic Conference on Bridges and Highways, Oakland, California, May 20th -22nd, 2013.
- Levi, M., Monzon, E., Saad, A., Sanford, D., Wibowo, H., Wieser, J., Buckle, I., Itani, A., Sanders, D., “Experimental Study of the Seismic Performance of a Horizontally Curved Bridge” 7th National Seismic Conference on Bridges and Highways, Oakland, California, May 20th -22nd, 2013.
- Saad, A., Sanders, D., Buckle, I., “Impact of Rocking Foundations on Horizontally Curved Bridge Systems Subjected to Seismic Loading,” Structures 2012 Congress, Chicago, Illinois, March 29-31st, 2012.
- Saad, A., Sanders, D., Buckle, I., “Effect of rocking foundations on seismic behavior of horizontally curved bridges with different degrees of curvatures,” 15th world conference on Earthquake Engineering, Lisbon, Portuguese, September 24-29th, 2012.

	- Saad, A., Said, A., Luke, B., "Seismic Evaluation of Bridge G-947 in Clark County, Nevada Using Nonlinear Static Procedures," Structures 2011 Congress, Las Vegas, Nevada, April 14-16th, 2011. - Saad, A., Said, A., Tian, Y., "Comparison of Different Standards for Progressive Collapse Evaluation Procedures at Various Seismic Conditions," 5th International Structural Engineering and Construction Conference, Las Vegas, Nevada, September 21-27th, 2009. - Saad, A., Said, A., Tian, Y., "Overview of Progressive Collapse Analysis and Retrofit Techniques," Proceedings of the 5th International Engineering and Construction Conference, August 27-29th, 2008.
College Service including committee Membership:	- Chair of the Laboratory Committee - Chair of the Curriculum Committee - Chair of the Accreditation Committee - Chair of the Validation & Moderation Committee - Chair of the Research & Faculty Development Committee - Chair of the Departmental Disciplinary Committee - Chair of the Project Based Learning Committee
National Service:	NA
College Committees:	- Member of the College of Engineering Council in AU. - Member of the Distance Learning Committee in AU (Formerly).