



Dr. Salah Abdullah Alghamdi

Personal Data

Nationality | Saudi

Date and place of Birth | 07.09.1989, Alkhobar, Kingdom of Saudi Arabia.

Current Work Address | Department of Building Engineering, Collage of Architecture and Planning, Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia.

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Language Proficiency

Language	Read	Write	Speak
Arabic	Yes	Yes	Yes
English	Yes	Yes	Yes

Academic Qualifications (Beginning with the most recent)

Date (Academic year)	Academic Degree	Place of Issue	Address
April 2018 - December 2022	Doctor of Philosophy (PhD) , in Building.	The University of Newcastle, School of Architecture and Built Environment, Australia.	Callaghan NSW 2308, Australia.
July 2014 - December 2015	Master of Design Science , in Building Services.	The University of Sydney, Faculty of Architecture, Design and Planning, Australia.	Camperdown NSW 2006, Australia.
September 2007 - June 2012	Bachelor of Science , in Building Engineering. (<i>Excellent degree with Honor Class</i>).	University of Dammam, Collage of Architecture and Planning, Saudi Arabia.	King Faisal Road, Dammam 34212, Saudi Arabia

PhD, Master and Bachelor Research and Projects Title: (Academic Honors or Distinctions)

PhD	(2022) Optimisation of Architectural Building Design Parameters for Students' Thermal Comfort and Energy Savings in Educational Buildings.
Master	(2015) Changing temperature set-points to save energy and improve occupants' thermal comfort in office buildings.
Bachelor	(2012) Comparative study of energy performance of an institutional building for different façade configurations in Saudi Arabia.



Professional Record: (Beginning with the most recent)

Job Title	Place and Address of Work	Date
Assistant Professor	Department of Building Engineering, College of Architecture and Planning, Imam Abdulrahman bin Faisal University (IAU), Dammam, Saudi Arabia.	June 2023 - Present
Lecturer	Department of Building Engineering, College of Architecture and Planning, Imam Abdulrahman bin Faisal University (IAU), Dammam, Saudi Arabia.	January 2016 – April 2023
Teaching Assistant	Department of Building Engineering, College of Architecture and Planning, University of Dammam, Dammam, Saudi Arabia.	November 2012– December 2015
Civil Engineer	Saudi Arabian Bechtel Company, Royal Commission, Jubail, Saudi Arabia.	July 2012– October 2012

Scientific Achievements:

Published Refereed Scientific Research (In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Alghamdi, S., Tang, W., Kanjanabootra, S., & Alterman, D.	Optimising Building Energy and Comfort Predictions with Intelligent Computational Model.	Sustainability 2024, 16(8), 3432; DOI: https://doi.org/10.3390/su16083432
2	Alghamdi, S., Tang, W., Kanjanabootra, S., & Alterman, D.	Optimal configuration of architectural building design parameters for higher educational buildings.	Energy Reports 2023 Vol. 10, Pages 1925-1942 DOI: https://doi.org/10.1016/j.egy.2023.08.066 https://www.sciencedirect.com/science/article/pii/S2352484723012064 (2023).
3	Yousefi, A., Tang, W.C., & Alghamdi, S.	Computer Simulation for Energy-Efficient Buildings Integrated with Developed Phase Change Material (PCM).	Key Engineering Materials, Vol. 951, Pages 161 - 165. DOI: https://doi.org/10.4028/p-Kh9DaL (2023).



4	Alghamdi, S. , Tang, W., Kanjanabootra, S., & Alterman, D.	Field Investigations on Thermal Comfort in University Classrooms in New South Wales, Australia.	Energy Reports 2023 Vol. 9 Pages 63-71 DOI: https://doi.org/10.1016/j.egy.2022.11.156 https://www.sciencedirect.com/science/article/pii/S2352484722025434 (2023).
5	Alghamdi, S. , Tang, W., Kanjanabootra, S., & Alterman, D.	Effect of Architectural Building Design Parameters on Thermal Comfort and Energy Consumption in Higher Education Buildings.	Buildings, 12(3). Doi: 10.3390/buildings12030329. (2022).
6	Alghamdi, S. , Tang, W., Kanjanabootra, S., & Alterman, D.	Architectural Building Design Parameters in Australian Educational Buildings: A Review.	International Journal of Advances in Mechanical and Civil Engineering (IJAMCE), pp. 65-72, Volume-6, Issue-6. Proceedings of IASTEM International Conference, Sydney, Australia, (2019).

Academic and teaching record

#	Name of module	Category	Department
1	Design 5 (Technical Project - Construction Details)	Practical Design Module	Third year (Building Engineering)
2	Design 6 (Technical Project - Building Services)	Practical Design Module	Third year (Building Engineering)
3	Design 10 (Technical Project - Integrated Design Systems)	Practical Design Module	Fifth year (Building Engineering)
4	Construction Systems and Materials	Theoretical Module	Joint year (second year) College of Architecture
5	Building information modeling (BIM) Workshop	Practical Module	Third year (Building Engineering)
6	Thermo Dynamics & Fluid Mechanics	Theoretical Module	Third year (Building Engineering)
7	Building Services 3: Mechanical Systems	Theoretical Module	Fourth year (Building Engineering)
8	Green and Sustainable Buildings	Theoretical Module (Elective)	Fifth year (Building Engineering)
9	Sustainable Construction Management and Field Practice	Theoretical Module (Elective)	Master of Construction Engineering Management

Administrative Responsibilities (Beginning with the most recent)

#	Administrative position	Organization	Date
1	Head - Scientific Committee for Exit Exam	Department of Building Engineering, College of Architecture and Planning, IAU.	Since September 2023 till Now.



2	Head – Evaluation and Examination Committee	Department of Building Engineering, College of Architecture and Planning, IAU.	Since December 2023 till Now.
3	Member – UG Program Review and Development Committee	Department of Building Engineering, College of Architecture and Planning, IAU.	Since October 2023 till Now.
4	Member – Publicity and Advertising Committee	Department of Building Engineering, College of Architecture and Planning, IAU.	Since October 2023 till Now.
5	Member – Research Committee	Department of Building Engineering, College of Architecture and Planning, IAU.	Since October 2023 till Now.

Sample of local and overseas Committee and Community Service

#	Event	Date	Position	Organization
1	Chartered Institution of Building Services Engineers (CIBSE).	2022	Member	UK's Engineering Council.
2	International Joint Conference on Energy and Environmental Engineering (CoEEE 2022), Stockholm, Sweden.	2022	Speaker	The International Association of Electrical, Electronic and Energy Engineering (IAEIEEE).
3	Saudi Students Club in Newcastle	2020	Vice President	Saudi Arabian Cultural Mission in Australia.
4	SACM Virtual Scientific Seminar (SVSS-2020).	2020	Speaker	Saudi Arabian Cultural Mission in Australia.
	International Conference on Civil and Architectural Engineering (ICCAE), Sydney, Australia.	2019	Speaker	The International Academy of Science, Technology, Engineering and Management (IASTEM).
5	Saudi Students Club in Newcastle	2019	Head of the Cultural Committee	Saudi Arabian Cultural Mission in Australia.
6	The Third Scientific Conference for students of the higher education in Saudi Arabia.	2012	Speaker	Ministry of Education.
7	Voluntary Work Association, Dammam, Saudi Arabia.	2011	Member	Ministry of Human Resources and Social Development
8	The First Urban Development Symposium (BEDSYM): Real Estate Development and Housing Sustainability.	2010	Organizing Member	University of Dammam.

Sample of Local and abroad Appreciations, awards and academic job opportunities

#	Organization	Date	Position	Occasion
1	University of Newcastle, School of Architecture and Built Environment, Australia.	2019 - 2021	Casual Academic	Teaching Assistant (Marker).
2	University of Newcastle, School of Architecture and Built Environment, Australia.	2021	Researcher	Casual Research Assistant.



3	HDR research poster competition	2019	Researcher	First winner awarded in the Faculty of Engineering and Built Environment, Postgraduate Research Prize in Building & Disaster Management from the University of Newcastle in Australia, entitled: "A methodology for optimization of architectural building design parameters in educational buildings in NSW".
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Courses and workshops

#	Course/ Workshop	Date	Certificate	Organization
1	Energy Surveys	February 2022	Continuing Professional Development (CPD)	The Chartered Institution of Building Services Engineers (CIBSE).
2	ESOS - Energy Saving Opportunity Scheme	June 2022	Continuing Professional Development (CPD)	The Chartered Institution of Building Services Engineers (CIBSE).
3	Using and Creating Effective Rubrics	May 2023	Deanship of Academic Development	Imam Abdulrahman bin Faisal University (IAU).
4	Leadership Styles	May 2023	Center for Leadership	Imam Abdulrahman bin Faisal University (IAU).
5	Faculty Mentorship Certification Program (FMCP)	October 2023 to May 2024	Deanship of Academic Development	Imam Abdulrahman bin Faisal University (IAU).
6	Expert certificate in designing study programs in university education.	October 2023 to June 2024	Curriculum and Academic Programs	Imam Abdulrahman bin Faisal University (IAU).

Personal Key Competencies and Skills: (Personal skills, Computer, Information technology, technical, etc.)

1	Computer Proficiencies: Microsoft Word, PowerPoint, Excel and SPSS.
2	Computer Aided design Packages: Auto cad, sketch up, Autodesk Revit and Designbuilder.
3	Dealing with Sustainable Building codes: SBC, ABC, LEED, ASHRAE and CIBSE.
4	The ability to work as part of a team.
5	The ability to motivate others and make them aware of an overall aim.
6	Attention to detail, Good numeracy and literacy skills.
7	Good communication and interpersonal skills.
8	The ability to remain flexible and calm under pressure and in the face of a tight deadline.
9	A technical mind.