



Dr. Jamal M. Alabid

BSc (Hons), PGDip Arch, MA, PGCE, PhD Architectural Technology / FHEA, MCIAT& MAECB

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Architectural Engineering/Technology Profile

Result-driven and focused architectural engineer with extensive experience in teaching architectural engineering subjects. Skilled in supporting students in RIBA, CIBSE and CIAT credited programs including BSc, MSc, MEng and BEng students by educating technical and sustainable design principles related to environment, economy and energy. Success in developing lessons for various subjects in sustainability, including sustainable construction initiatives, impact of building on environment from production, construction to demolition stages and whole life cycle of a building. Expertise developing the building assessment methods with BREEAM rating system, embodied energy, and life cycle assessment.

Architectural Engineering	Architectural Technology	Building Management Systems BMS Digital
Architectural Design Studio	Daylight & Lighting in Buildings	Architecture and BIM Modelling Indoor
Environmental Architecture	Cultural and Contextual Studies	climate & Environmental Quality
Environmental Rating Systems	Energy Systems in Buildings	Building Construction and Management

Career Experience

Assistant Professor in Architectural Technology: University of Bradford- Faculty of Engineering and Digital Technologies, School of Built Environment, Architecture & Creative Industries 1st June 2022

- Full-time Permanent. Programme Leader Architectural Technology BSc & Architectural Engineering BEng /MEng. CIAT-Yorkshire Region Committee Member and Education Officer-Leading CIAT accreditation at University of Bradford ([CIAT | Yorkshire Region \(02\)](#)).
- Principal supervisor for 3 PhD Students and has been principal supervisor for several MSc dissertations.
- PAS:2035 Retrofit Coordinator – AECB Training Instructor.

Associate in Thermal Performance & Buildings Envelopes: Robert Gordon University/ Kishorn Insulation Ltd. 01st March 2021 – 30th May 2022

Leading a KTP Project at Robert Gordon University and in cooperation with Kishorn Insulation Ltd to certify an insulation product (Icynene open-cell pourable foam) by BBA for timber construction application. The project involves series of on-site construction tests and computer simulation to validate results as well as intensive research on the product to support the publicity of the certificate. I participated in developing an MSc Building Retrofit course.

Assistant Professor in Architectural Engineering: Heriot Watt University, Institute of Sustainable Buildings Design, Dec 2019 to Feb 2021

Course leader of MSc/MEng and BEng, and teach various subjects including Energy Systems and Buildings, Sustainable and Intelligent Buildings, and introduction to environment with a focus on improving students' knowledge. Educate students regarding design project and daylighting and lighting systems in buildings to enhance students' performance. Incorporated design projects with industrial and live projects that highly beneficial for students to practice and transfer knowledge.

Lecturer in Design Studio & Technology: De Montfort University, Leicester School of Architecture Feb 2016 to Dec 2019

Led instructed design studio AY1 and AY2, building performance and technology Y2, building construction Y2, building design AY1, Building technology MSc. Tutoring and supervising BSc and MSc dissertations. Enhanced student technical knowledge by providing technical specifications of DesignBuilder, Energy-Plus, FSAP, Radiance, Plan-Assessor and Ecotect.

I conveyed professional experience and knowledge into my teaching practice, teaching passive house design principles and building regulation in academic learning environment. I delivered consultancy in building construction and building services.

Lecturer in Architectural Engineering: Al Merghib University, Faculty of Engineering, Libya May-2011 to Sept-2012 Provided information on architectural design studios to residential and institutional buildings as well as hotels and transport buildings for BSc Y2, Y3, and Y4. Taught environmental design in buildings and building physics for BSc Y3 along with free-hand drawings module for BSc Y2 and architectural engineering (Eco-Facade) for Y4 to develop better understanding of

structural systems in buildings. Led final projects for BSc5 for students to learn systems analysis, cost-benefit analyses, and problem-solving. Integrated architectural technology into design studio-based teaching, producing research publications out of practical and pedagogical research.

Teaching Assistant in Architectural Engineering: (May 2005 – May 2008) with Al Merghib University, Faculty of Engineering, Libya.

Education

Qualified PAS2035: Retrofit Coordinator: Retrofit Academy CIC May 2022 & Carbon-Lite™ Retrofit (CLR) : AECB 2022

PGCE in Learning & Teaching in HE and FHEA : The Higher Education Academy (HEA) UK July 2020

PhD in Architectural Technology: Leicester School of Architecture, De Montfort University UK March 2017

MA in Architectural Design: Leicester School of Architecture, De Montfort University UK Sept 2010

Advanced PGDip in Architectural Practices : Al Mergib University, Faculty of engineering Al Khums Libya July 2007

BSc in Architecture & Urban Planning: Al Mergib University, Faculty of engineering Al Khums Libya July 2004

Technical Proficiencies

Architecture aided programmes including AutoCAD Architecture, ArchiCAD, Revit architecture BIM, Sketch-up rendering software such as Lumion, Twin-Motion, InDesign, Parametric design Rhino & Grasshopper. Microsoft Office, Energy & Environmental simulation and assessment tools including Design-Builder, Ecotect, NHER Plan-Assessor, Design PH, FSAP and PHPP. Additionally, statistical analysis software such as SPSS, NVivo and Excel

Professional Training and Certificates

- Training & Certificate for Certified Passive House Designer & Consultant 31st March – 7th April 2019 by Passive House Academy
- L3 & 4 Energy Assessor Training 11th Feb 2014 by Elmhurst Energy Systems
- Training & Certificate for Construction Management: Reading Construction Drawings & Specification by Project Management Institute US
- Training & Certificate of Revit Work-sharing: Collaboration for Revit C4R 23rd July 2020
- Training & Certificate Cert Prep: LEED Green Associate August 2020
- Training & Certificate Revit: Parametric Curvature in the Family Editor August 2020
- More can be found on my [LinkedIn profile](#)

Professional Qualifications and Membership

- MCIAT & Yorkshire Region Education officer
- Fellow in HEA (Ref: PR187921)
- iPHA Member since 2019
- AECB Member since 2021
- Certified Passive House Designer & Consultant since 2019
- ASHRAE Assistant Editorial Board 2017
- BREEAM Associate member
- AECB Carbon-Lite Retrofit
- Level 5 Diploma in Retrofit Coordination CIC

Research and Publications

<https://doi.org/10.3390/buildings12101513>
<https://doi.org/10.3390/buildings12101513>
<https://doi.org/10.1016/j.rser.2022.112161>
<https://doi.org/10.1093/ce/zkac023>
<https://doi.org/10.1016/j.rser.2022.112161>
https://doi.org/10.1007/978-3-319-74549-7_7
<http://hdl.handle.net/2086/14142>
<http://hdl.handle.net/2086/11880>
<http://hdl.handle.net/2086/11871769>
DOI: 10.1080/10789669.2014.953872
<https://doi.org/10.4324/9781315725529>
<https://doi.org/10.3390/su131810189>

Journal Editor and Reviewer

MDPI: [Architecture / Special Issue : Net Zero Architecture: Pathways to Carbon-Neutral Buildings](#)
(Guest editor)

People, Place and Policy; [Login / People, Place and Policy](#) (Reviewer)

Journal of Architectural education: mc.manuscriptcentral.com/jaabe?URL_MASK=3271673f768d44a59d01d55cd9920c2a

Science and Technology for the Built Environment: (Reviewer)

ASHRAE Journal publication: (Reviewer)

Google-Scholar; [Dr Jamal Mohamed Mohamed Alabid - Google Scholar](#)