

Omar Alomair, MSc, BSc (Arch).

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Summary

Omar Alomair is currently pursuing his PhD studies at Newcastle University, the school of engineering. Focusing and ambitious construction researcher with a special interest in BIM, LCA and building design and material selection. Possesses strong analytical and problem-solving skills developed through work experience, academic study and voluntary work. Competent in designing, executing and analysing quantitative research project, and surveying participants in accordance with ethical and legal guidelines. Strong aware of the ethical and confidentiality issues surrounding the practice of construction management. Able to work independently and as part of a multi-disciplinary team.

Education

PhD | 2019 to 2023 | Newcastle University

- Major: PhD Civil Engineering (Environmental)
- Research project: Integration BIM and MFA to assess the environmental impacts of building materials selection at the design stage.

Master | 2018 | Northumbria University

- Major: MSc Construction Project management with BIM
- Research project: BIM application and the interoperability process between project participants at design & construction stages.

Bachelor | 2017 | Northumbria University

- Major: BSc Architectural Technology
- Related coursework: Proposing a solution for the refurbishment of the Wynne-Jones centre by providing design and tender Package.

Experience

Academic Supervision | Newcastle University | 2021 to Present

- Two maters' projects at the School of Engineering focus on BIM, LCA and LCI.

Founder of TSR Consultation | 2020 TO PRESENT

- Academic business service that provides training courses and consultation on academia

Executive Officer | Marefaa Platform | 2020 to Present

- Hosting and organising conferences and seminars.

Crew & Maintenance | Royal Commission for Jubail | 2013

- Focusing on Royal Commission building by providing services and work plans.

Design and Materials selection | Allatifa Trading & Contracting | 2012

- One of design team, who was responsible for choosing the right materials.

Research projects

- 2019 – Present: Currently PhD researcher in School of Engineering at Newcastle University
- 2019 – Present: On-going research on integration BIM and MFA to assess the environmental impacts of building materials selection at the design stage.
- 2021 – Present: Working on a collaborative research with health sciences to study of close residential spaces during COVID-19 lockdown in Kingdom of Saudi Arabia.
- 2017 – 2018: MSc project on BIM application and the interoperability process between participants in a project's design and construction phases.
- 2016 – 2017: BSc project on Proposing a solution for the refurbishment of the Wynne-Jones centre by providing design with a project tender Package.

Languages, Skills & Abilities

Languages

- Arabic – Native
- English – Fluent
- Spanish – Beginner
- France - Elementary

Design Skills

- Revit software
- AutoCAD software
- ArchCAD software

Environmental Software

- Umberto LCA+
- OpenLCA
- OneClick LCA

IT Skills

- Microsoft office
- Adobe software

Management

- Organised
- Coordinated
- Creative person

Communication

- Excellent written and verbal communication skills
- Confident, articulate, and professional speaking abilities

Leadership

- Motivation
- Confidentiality

Membership

- International Society of Industrial Ecology (ISIE) | 2019 – Present.
- Saudis in the UK | 2019 – Present.
- Future build – the future of built environment | 2018 – present.

Workshop, Seminar & Conferences

- Presenter on International Industrial Day 2021 (ISIE) | 2021
- Presenter on Environmental and Engineering Conference at Newcastle University | 2020 & 2021
- Umberto software training course (ifu Hamburg) | 2021
- OneClick LCA training course (OneClick LCA) | 2021
- Building Information Modelling (BIM) stage 1 & 2 (bre academy) | 2021
- Life Cycle Assessment (LCA) analysis (Newcastle University) | 2020
- Future Build conference in London (Future Build) | 2018

References

- . Dr Oliver Heidrich, Senior Lecturer, Engineering, Newcastle University, oliver.heidrich@newcastle.ac.uk
- . Dr John Kamara, Reader in Architectural management, Architecture, Planning & Landscape, Newcastle University, john.kamara@newcastle.ac.uk
- . Dr. Barry Gledson, programme leader for MSc Project Management Framework, Northumbria University, barry.gledson@northumbria.ac.uk
- . Dr. J. A. Charlton, Built Environment Visualiser, Northumbria University, j.charlton@northumbria.ac.uk
- . Mr. Kevin Elliot, Senior Lecturer, Architecture and Built Environment, Northumbria University, kevin.elliott@northumbria.ac.uk
- . Mrs. Michelle Littlemore, Senior Lecturer, Mechanical and Construction Engineering, Northumbria University, michelle.littlemore@northumbria.ac.uk
- . Dr. Claudio Benghi, Senior Lecturer, Mechanical and Construction Engineering, Northumbria University, Claudio.benghi@northumbria.ac.uk