

Obuks Ejohwomu, PhD, MSc, BEng | FNSE, FHEA
Academic (Teaching & Research) Reader in Sustainable Built Environment &
Project Management
Infrastructure and Resilience
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Overview

Obuks Ejohwomu is a Reader (Associate Professor) and founder of Nudge SIG (Special Interest Group) at The University of Manchester. He is the current Head of Admissions in the School of Engineering, Faculty of Science and Engineering. He is listed as one of Manchester's Heritage Heroes for the impact of his research work. OBUKS is also a fellow of the Higher Education Academy and the unit lead for commercial and procurement management. OBUKS particularly leads a research group focusing on a **future sustainable built environment** with expertise in *decarbonised projects, indoor/outdoor air pollution monitoring using low-cost sensors, occupational health & safety and digitalisation in the built environment*. Contributed to the 2024 Building Regulations by determining the principles for a Scottish equivalent to the Passivhaus standard, as outlined in the published consultation. Recipient of the 2024 Project Management Education Award in recognition of outstanding global contributions to education. He is a Better World Showcase 2022 award winner for outstanding contributions to environmental sustainability. An award winner for notable contribution to the fight against the COVID-19 pandemic. He has managed grants valued at over GBP £1.3m, with funders including EPSRC, Association of Project Management (APM), GCRF, Lloyds Register Foundation, NHS Foundation Trust, and UKRI. He is the PI on a high-impact multidisciplinary research project probing the "societal value of quality low-cost urban air monitoring in low resource environments (SQUARE). Before joining MACE he worked as a contracts manager on several building construction projects totalling over N100m (Lukayson Ventures Ltd), a systems engineer in the telemetry and laboratory business area of Scottish Water, Glasgow, Research Assistant on a Black Country learning and skills action research project (University of Wolverhampton), Research Fellow (University of Reading) on the EPSRC Health and Care Infrastructure Research and Innovation Centre (HaCIRIC), Programme Manager (W D Consults Ltd), Lecturer in Civil Engineering (Covenant University), Senior Lecturer in Project Management and Head, Department of Management Technology (Bells University of Technology). In the past, he has consulted for the likes of Coffey International on DFID projects (Growth and Employment in States (GEMS)) in Nigeria, National Petroleum Investment Management Services (NAPIMS), Nigerian National Petroleum Corporation Staff Cooperative Multipurpose Society, and Pipelines and Products Marketing Company Limited (PPMC). He obtained his BEng degree in Civil Engineering from UNIBEN, MSc in Systems Engineering from Heriot-Watt, and PhD in Construction Engineering and Management from Wolverhampton. Associate Editor - Journal of Engineering, Design and Technology. Guest editor and editorial board member for some of his field's leading journals. University of Melbourne FEIT Visiting Fellow. He is a **Foundation Governor** at St Edmund's Catholic Academy and Director at The Royal School. When the opportunity is available, he enjoys networking and hiking.

PhD Completion (*as PI):

- *Societal value of nuclear decommissioning and remediation.
- *Assessment of user (dis)engagement in the provision of affordable housing: the case of the UK social housing sector.
- A building information modelling maturity model for the South African construction industry.
- *Development of a project risk management framework: a case study of major African economies.
- *Standards-innovation relationship in projects: In the context of ship-recycling in Bangladesh.
- *A hermeneutical approach to social value: A case study of national infrastructure planning in Oman.
- *Development of safety leading and lagging indicators framework for contractor selection in construction projects.
- *Standardizing carbon neutrality in the delivery of complex projects.

Ongoing PhD Supervision (*as PI):

- *Ethics in Stakeholder Engagement for Project Sustainability (Part-Time).
- *Risk analysis of low-carbon technological innovation in reducing building life cycle carbon emissions.
- Exploring governance in construction Circular Economy.
- Improving the cost modelling of environmental, social, governance using artificial intelligence.
- Facilitating the transition to a circular economy for cooling in developing countries.
- *Application of operation science in production and manufacturing to improve integration management on oil and gas capital projects (Part-Time).

- *Bridging digital transformation and environmental, social, and governance (ESG) metrics: insights from the construction business ecosystem.

Employment

Reader in Project Management

Academic (Teaching & Research) Reader
Civil Eng and Management (L5)
The University of Manchester
1 Aug 2025 → present

External Examiner (PhD),

Cape Peninsula University of Technology
Cape Town, South Africa
1 Feb 2022 → present

External Examiner (PhD),

University of Johannesburg
Johannesburg, South Africa
1 Mar 2020 → present

External Examiner (PhD)

University of Salford
Salford, United Kingdom
17 Jan 2020 → present

External Examiner (PhD)

University of Bradford
Bradford, United Kingdom
10 Oct 2019 → present

External Examiner (PhD)

Nelson Mandela University
Port Elizabeth, South Africa
8 Aug 2018 → present

External Examiner (PhD)

University of the West of England, Bristol
Bristol, United Kingdom
23 Jul 2018 → present

Grants proposals reviewer for Newton Fund

The British Council
London, United Kingdom
12 Jun 2018 → present

External Examiner (PhD)

University of Bedfordshire
Luton, United Kingdom
2 May 2018 → present

External Examiner (PhD)

University of Wolverhampton
Wolverhampton, United Kingdom

5 Mar 2018 → present

External Adviser School of Architecture and Built Environment

University of Wolverhampton
Wolverhampton, United Kingdom
8 Sept 2017 → present

External Examiner (PhD)

University of Lincoln
Lincoln, United Kingdom
1 Jun 2017 → present

Chair

7th International Conference on Infrastructure Development in Africa
31 Mar 2017 → 1 Apr 2018

External Examiner (PhD)

Kwame Nkrumah University of Science & Technology
Kumasi, Ghana
1 Jan 2016 → present

External Examiner

University of Johannesburg
Johannesburg, South Africa
1 Jan 2015 → present

Research outputs

Interpretability in Machine Learning for IAQ and HVAC Optimisation: A Response to Oka et al.

Ejohwomu, O., 28 Jul 2025, In: Building and Environment. p. 1-12 12 p.

Investigating the Factors Affecting SARS-COV-2 Transmission and Mortality Rate in Sub-Saharan Africa

Ejohwomu, O., Al-Saffar, N., Adekunle, S. A., Oladokun, M., Too, J. & Aigbavboa, C., 19 Jul 2022, In: Preprints.

The exposure of workers at a busy road node to PM_{2.5}: occupational risk characterisation and mitigation measures

Ejohwomu, O. (Lead), Oladokun, M., Oshodi, O., Bukoye, O., Edwards, D., Emekwuru, N., Adenuga, O., Sotunbo, A., Uduku, O., Balogun, M. & Alani, R., 12 Apr 2022, In: International Journal of Environmental Research and Public Health. 19, 8, 18 p., 4636.

Modelling and Forecasting Temporal Pm2.5 Concentration Using Ensemble Machine Learning Methods

Ejohwomu, O., Oshodi, O., Oladokun, M., Bukoye, T., Emekwuru, N., Sotunbo, A. & Adenuga, O., 4 Jan 2022, In: Buildings. 12, 1, 46.

Construction and Fourth Industrial Revolution: Issues and Strategies

Ejohwomu, O., Adekunle, S. A. & Bukoye, T., 1 Dec 2021, *The Construction Industry: Global Trends, Job Burnout and Safety Issues*.. Nova Science Publishers

Evidencing the benefits of Industry 4.0 for the Architecture, Engineering and Construction (AEC) Industry: Promises, practices and unresolved problems

Ejohwomu, O., Chan, P. & Lu, Y., 17 Apr 2021, (Accepted/In press) In: Engineering, Construction and Architectural Management.

A resilient approach to modelling the supply and demand of platelets in the United Kingdom Blood supply chain

Ejohwomu, O., Too, J. & Edwards, D., 1 Mar 2021, In: International Journal of Management Science and Engineering Management. 16, 2, p. 143-150 8 p.

Evidence-Based Scope For Reducing 'Fire-Fighting' In Project Management: The Global South Experience

Ejohwomu, O., Adekunle, S. A. & Aigbavboa, C., 29 Nov 2019, *Proceedings of the 24th International Symposium on Advancement of Construction Management and Real Estate*. Ye, G., Yuan, H. & Zuo, J. (eds.). 1 ed. Springer Singapore

Challenges of Identity work in Africa's Temporary Organisations: Developing Tsenay Serequeberhan's horizons

Ejohwomu, O. & Igwilo, M., 3 Sept 2019, *British Academy of Management*.

Re-purposing Summative Assessment as Formative: A Reflective Guide to Facilitating Deep Learning

Ejohwomu, O., 30 Jun 2019, (Accepted/In press) *Claiming Identity Through Redefined Teaching in Construction Programs*. Mostafa, S. & Rahnamayiezekavat, P. (eds.). IGI Press

A Hermeneutical Analysis of Brutalism, Equity and Diversity in Innovative Construction

Ejohwomu, O. & Igwilo, M., 4 Sept 2017, *The Association of Researchers in Construction Management: Procs 33rd Annual ARCOM Conference, 4-6 September 2017, Cambridge 2017, UK, Association of Researchers in Construction Management*. Chan, P. (ed.).

Nigeria's construction industry: barriers to effective communication

Ejohwomu, O., Oshodi, O. & Iam, K. C., 13 Jun 2017, In: *Engineering Construction and Architectural Management*. 24, 4, 71 p.

Developmental programmes and policies: a logic model approach

Ejohwomu, O., Onifade, M. & Adeoye, A., 1 Dec 2016, In: *Journal of Construction Project Management and Innovation*. 6, 2, p. 1429-1446 18 p., 2.

Causes of Conflicts in Construction Projects in Nigeria: Consultant's Perspective

Ejohwomu, O., Oshodi, O. S. & Onifade, M. K., 1 Apr 2016, In: *Nigerian Journal of Technology*. 35, 2, p. 270-277 7 p., 2.

Identifying the critical causes of conflict in construction projects in Nigeria

Ejohwomu, O., Oshodi, O. S. & Onifade, M. K., 1 Jan 2016, In: *Nigerian Journal of Technology*. 35, 2, p. 290-296 6 p.

A review of construction management and economics research outputs in Nigeria: towards a sustainable future

Ejohwomu, O. & Oshodi, O. S., 1 Jun 2014, In: *Journal of Construction Project Management and Innovation*. 4, Supplement 1, p. 900-905 6 p.

Built Environment Research Outputs on Sustainable Development in Nigeria: A Call for Paradigm Shift

Ejohwomu, O. & Oshodi, O. S., 17 Mar 2014, *3rd International Conference on Infrastructure Development in Africa (ICIDA) 2014*. Ejohwomu, O. & Oshodi, O. S. (eds.). p. 440-445 p.

The impact of multiskilling on UK's construction manpower

Ejohwomu, O. (Lead), Olomolaiye, P. & Proverbs, D., Feb 2008, In: *Institution of Civil Engineers. Proceedings. Management, Procurement and Law*. 161, 1, p. 25-30

The UK construction industry: a review of black country skills demand

Ejohwomu, O., Proverbs, D. & Olomolaiye, P., 3 Sept 2007, *Procs 23rd Annual ARCOM Conference, 3-5 September 2007, Belfast, UK, Association of Researchers in Construction Management*. Boyd, D. (ed.). p. 419-428 10 p.

Multiskilling: A UK construction and building services perspective

Ejohwomu, O., Proverbs, D. G. & Olomolaiye, P., 1 Sept 2006, *Twenty-second annual conference 2006, September 4-6, UCE, Birmingham*. Boyd, D. (ed.). Reading: ARCOM, p. 885-894 10 p.

Predicting the demand for construction manpower in the UK

Ejohwomu, O. A., Proverbs, D. G. & Olomolaiye, P., 6 Apr 2006, *6th International Conference of Postgraduate Research in Built and Human Environment*. Salford, UK: University of Salford, p. 151-161 11 p.

A conceptual demand led model founded on theories of labour market mismatch for the construction and building services industry.

Ejohwomu, O., Proverbs, D. G. & Olomolaiye, P., Sept 2005, *Proceedings of the 21st ARCOM Annual Conference*. p. 3-12
10 p.

Modelling the supply and demand for construction and building services in the Black Country

Ejohwomu, O. A., Proverbs, D. G. & Olomolaiye, P., 1 Jan 2005, *5th International Postgraduate Research Conference in the Built and Human Environment h. Salford*, p. 116-123 8 p.

Activities

EurOMA Conference 2025

Ejohwomu, O. (Chair)

13 Jun 2025 → 18 Jun 2025

International Summit On Climate Change/Air Pollution

Ejohwomu, O. (Chair)

24 Apr 2025

Frontiers in Built Environment (Journal)

Adekunle, S. A. (Guest editor), Ejohwomu, O. (Guest editor), Aigbavboa, C. (Guest editor) & Kissi, E. (Guest editor)

17 Nov 2024 → 7 Mar 2025

Digital Supply Chain Management

Ejohwomu, O. (Speaker)

28 Oct 2024 → 1 Oct 2026

Embedding Social Value in Engineering Procurement: Education, Contracts, and Delivery

Ejohwomu, O. (Speaker)

24 Sept 2024 → 26 Sept 2024

The funding conundrum: what is the true measure of success (or failure)?

Ejohwomu, O. (Speaker)

29 Sept 2023

Journal of Engineering, Design and Technology (Journal)

Ejohwomu, O. (Assistant editor)

8 Sept 2023

Architectural Engineering and Design Management (Journal)

Ejohwomu, O. (Editor), Edwards, D. (Editor), Windapo, A. (Editor) & Hui, F. (Editor)

25 Oct 2022 → 31 Oct 2023

Sustainability (Journal)

Ejohwomu, O. (Guest editor)

5 Sept 2022 → 29 Feb 2024

Frontiers in Built Environment (Journal)

Ejohwomu, O. (Guest editor)

1 Aug 2022 → 22 Dec 2024

Lead Keynote Speaker- 12th cidb Postgraduate Research Conference, East London, South Africa

Ejohwomu, O. (Speaker)

10 Jul 2022

Buildings (Journal)

Ejohwomu, O. (Associate editor)
17 Apr 2022

Annual Manchester - Africa Business Forum scheduled to take place on Thu, 24 March 2022 between 13:00 - 16:00 GMT.

Ejohwomu, O. (Speaker)
24 Mar 2022

Air pollution and health burden: unmasking plant and equipment emissions in the built environment

Ejohwomu, O. (Speaker)
21 Oct 2021

Emerald Publishing Limited (Publisher)

Ejohwomu, O. (Member of editorial board)
30 Jun 2021 → 30 Jun 2023

Buildings (Journal)

Ejohwomu, O. (Assistant editor)
14 Apr 2021 → 30 Jun 2022

Engineering Construction and Architectural Management (Journal)

Ejohwomu, O. (Editor in chief)
1 Jan 2020 → 1 Apr 2021

1.Spatial Dynamics of Social Value and Its Implication for the Nigeria Public Procurement (Amendment) Act 2016.

Ejohwomu, O. (Speaker)
4 Oct 2019

7th INTERNATIONAL CONFERENCE ON INFRASTRUCTURE DEVELOPMENT IN AFRICA | ICIDA 2018 (Event)

Ejohwomu, O. (Editor)
31 Mar 2018

7th INTERNATIONAL CONFERENCE ON INFRASTRUCTURE DEVELOPMENT IN AFRICA | ICIDA 2018

Ejohwomu, O. (Chair)
28 Mar 2018

3RD INTERNATIONAL CONFERENCE ON INFRASTRUCTURE DEVELOPMENT IN AFRICA (ICIDA) 2014

Ejohwomu, O. (Chair)
1 Mar 2014

Prizes

2019 Taylor & Francis Book and Digital Product Award in the Outstanding Monograph Category

Manu, P. (Recipient), Cheung, C. (Recipient), Yunusa-Kaltungo, A. (Recipient) & Ejohwomu, O. (Recipient), 19 Jun 2020

Best Paper Award

Abiodun, O. (Recipient), Abadi, M. (Recipient), Ejohwomu, O. (Recipient) & Manu, P. (Recipient), 29 Aug 2023

Best Paper Award

Ejohwomu, O. (Recipient), 15 Nov 2021

Faculty of Engineering and Information Technology (FEIT) Visiting Fellow, University of Melbourne, Australia
Ejohwomu, O. (Recipient), 23 Sept 2024

Microscoping Carbon Footprint and Standardising Carbon Emission in Africa
Ejohwomu, O. (Recipient), 8 Feb 2023

Notable Contribution to the fight against COVID-19 pandemic
Ejohwomu, O. (Recipient), 22 Jun 2022

Outstanding contribution to environmental sustainability
Ejohwomu, O. (Recipient), 22 Jun 2022

Outstanding Reviewer in the 2021 Emerald Literati Awards
Ejohwomu, O. (Recipient), 1 Dec 2021

Project Management Education Award at 2024 IEOM Awards Sydney, Australia – September 26, 2024
Ejohwomu, O. (Recipient), 26 Sept 2024

Teaching Excellence Awards 2021
Ejohwomu, O. (Recipient), 16 Sept 2021

The 4Es of carbon-neutral buildings: A standardised approach
Ejohwomu, O. (Recipient), 17 Feb 2023

The RISE Award 2024 for Education and Training
Ejohwomu, O. (Recipient), 29 Aug 2024

Press/Media

Building sector must be more aware of whole-life carbon
Ejohwomu, O.
24/08/23
1 item of Media coverage

Built on sand: the need for new environmental standards in the construction industry
Ejohwomu, O.
2/08/23
1 Media contribution

Construction industry must address whole-life CO2 emissions in buildings, warn academics
Ejohwomu, O.
22/08/13
1 item of Media coverage

EarthSense Zephyr® Sensor Deployed in Nigeria to Launch Air Quality Monitoring in Low Resource Areas
Ejohwomu, O.
6/10/20
1 Media contribution

Experts demand urgent action on air pollution in Nigeria
Ejohwomu, O.
25/04/25
1 item of Media coverage

How can the construction industry progress towards net-zero amid challenges?

Too, J. & Ejohwomu, O.

13/11/23

1 Media contribution

Investigating the impact of air pollution on chronic disease in people living with HIV

Ejohwomu, O.

14/04/25

1 Media contribution

Nigerian scholar receives international recognition over research on blood platelets/

Ejohwomu, O.

25/03/21

1 item of Media coverage

Project Management in action: rapid PPE testing during the Covid-19 crisis

Ejohwomu, O.

20/05/20

1 Media contribution

Researchers say respiratory, cardiovascular diseases, main causes of hospitalization in Lagos

Ejohwomu, O.

4/09/22

1 item of Media coverage

The buzz podcast: Covid-19 FSE report

Ejohwomu, O.

4/06/20

1 item of Media coverage

University academic praised after helping test PPE equipment for key workers

Ejohwomu, O.

15/05/20

1 item of Media coverage

Awards

Projects

Impacts

Revealing the societal value of quality urban air monitoring in low resource environments

Ejohwomu, O. (Participant)