

# SEEDS 2025

INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY







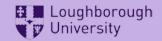
### BUILDING AND ENVIRONMENTAL DESIGN

**SEEDS** 2025

#### HIGHLY COMMENDED

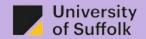
#652 – Taxonomy of Risks Militating Against Nigerian Construction Industry: Setting Research Agenda for Sustainable Construction Infrastructure Development Projects in Nigeria

**Maryam Musa Bayawo** 









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## BUILDING AND ENVIRONMENTAL DESIGN

**SEEDS** 2025

#### WINNER

#690 – Integrating Life Cycle Assessment into Prefabricated Building Design: A Review of Data Requirements and Implementation Challenges

Ana Karina Silverio, Patrick Manu and Ahmed Hagras









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## ENERGY EFFICIENT MODELLING, SIMULATION AND BIM

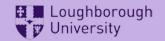
**SEEDS** 2025

#### HIGHLY COMMENDED

#646 – Minimising Construction Rework: The Influence of BIM Maturity Levels in Malaysian Projects

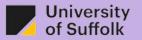
Yee Kang Aw, Yu Hoe Tang, Jing Ying Wong, Abdullahi Ali Mohamed and Zhi Xian Chew











## ENERGY EFFICIENT MODELLING, SIMULATION AND BIM

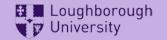
**SEEDS** 2025

#### WINNER

#613 – Interdisciplinary Exploration of Sustainability
Through BIM: Advancing Sustainable Environmental Design
Through Collaborative and Data-Driven Approaches

Sumudu Samarakoon, Kalaa weerasooriya, Pavithra Rathnasiri, Zaid Alwan











## WATER AND AIR QUALITY

**SEEDS** 2025

#### WINNER

#643 - Cutting Carbon Emissions in Water Hygiene: The Environmental Benefits of Remote Legionella

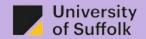
Monitoring in the Built Environment

Christina Thompson-Mountford, Martin Pritchard, David Love, Roz Wyatt-Millington, Paul Kenny, Mark Russell









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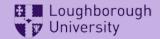
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## EDUCATION AND TRAINING

#### HIGHLY COMMENDED

#598 - Enhancing Career Development for Engineering Postdocs: Engagement Factors and Programme Design Insights

M. R. Mahendrini Fernando Ariyachandra









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## EDUCATION AND TRAINING

#### WINNER

#648 – Tailoring Minecraft sessions on the Sustainable Development Goals and engineering to the needs of educators

Sarah Behenna and Laura Hobbs









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## REDUCING CONSUMPTION AND WASTE

**SEEDS** 2025

#### HIGHLY COMMENDED

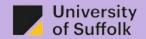
#657 – Sustainable Validation of Water Consumption using Drones in Bahrain

David Love, Saud Buheji, Sami Alsisi









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## REDUCING CONSUMPTION AND WASTE

**SEEDS** 2025

#### WINNER

#683 – Communicating Sustainability: How Civic Actors, Digital Technology, and Awareness Campaigns Shape Waste Management Behaviours

Mikhail Ola Adisa, Shola Oyedeji, Sony Rosenthal, Ifeoma Adaji, Jari Porras









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## SUSTAINABILITY, ETHICS AND RESPONSIBILITY

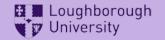
**SEEDS** 2025

#### HIGHLY COMMENDED

#668 – Uncovering Systemic Barriers to BAME Leadership in UK Construction and Railway Sectors

Shaukat Munshi, Charlene Chatelier, Hadi Kazemi











## SUSTAINABILITY, ETHICS AND RESPONSIBILITY

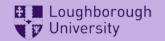
**SEEDS** 2025

#### WINNER

#597 – It's not that simple: a strategy as practice journey toward net zero

Graeme D. Larsen, Pippa Boyd, Ankit Singh











### BEHAVIOUR CHANGE

**SEEDS** 2025

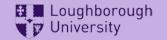
#### HIGHLY COMMENDED

#673 – The Construction Workers' Perspectives on Occupational Stress in the South African Construction

Industry

Mohlomi T. Raliile and John J. Smallwood











### BEHAVIOUR CHANGE

**SEEDS** 2025

#### WINNER

#674 – Implementing Behaviour Change in Accessing Mental Health Provisions in UK Construction

**Greg Watts** 









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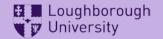
## BUILDING RESILIENCE

**SEEDS** 2025

#### WINNER

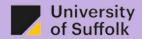
#609 – A Socially and Behaviourally Grounded Framework for Inclusive Engagement Towards Community Flood Resilience

Olutayo Ekundayo, David Proverbs, Subashini Suresh, Chaminda Pathirage, Ezekiel Olatunji, Phil Emonson









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# BUILDING AND INFRASTRUCTURE IMPACT AND RESILIENCE

**SEEDS** 2025

#### WINNER

#611 – Enhancing Irish Compliance Practices: An Examination into International Construction Compliance Policies with a specific focus on Ireland

**Ankur Mitra and Mark Mulville** 











### DIGITAL TECHNOLOGIES AND APPLICATIONS

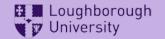
**SEEDS** 2025

#### HIGHLY COMMENDED

#608 – Evaluating the Impact of Building Information Modelling on Sri Lankan Highway Construction Projects

Alireza Moghayedi, Vikum Kashyapa Silva, Amalka Nawarathna











## DIGITAL TECHNOLOGIES AND APPLICATIONS

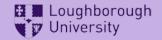
**SEEDS** 2025

#### WINNER

#709 – FROM DATA TO DECISIONS: A SYSTEMATIC REVIEW OF TECHNOLOGY ADOPTION IN MODERN METHODS OF CONSTRUCTION FROM A BUSINESS PERSPECTIVE

Alaa O. Shehata, Ali Saad, Chris Gorse, Peter Demian, Leo Hsu











## BUILDING PERFORMANCE, ANALYSIS AND EVALUATION

**SEEDS** 2025

#### WINNER

#617 – Measuring the airtightness and heat loss of vehicles under controlled conditions

Toby Le Hunte, Oliver Patterson, Grant Henshaw, Luc Bodin, Richard Fitton









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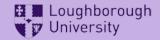
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## THERMAL COMFORT, AIR QUALITY AND OVERHEATING

#### WINNER

#605 – Impact assessment of the spatial layouts of studios on the students' learning experience at Architecture Schools in HE, in the UK

**Ioannis Christopoulos and Dr Mark Mulville** 









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## SUSTAINABLE CITIES

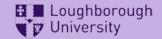
**SEEDS** 2025

#### WINNER

#599 – Reviving the Forgotten Heart of Gqeberha,
South Africa: Adaptive Reuse Challenges and
Opportunities in Urban Regeneration

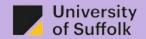
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**Avuyisiwe Kovu, Gerrit Crafford** 









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## SUSTAINABILITY POLICY

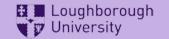
**SEEDS** 2025

#### WINNER

## #705 – ADVANCING CULTURE BEYOND THE 2030 AGENDA: INTEGRATION OR A STANDALONE SDG?

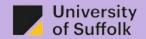
Bayan F. El Faouri











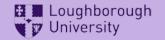
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#### **PROFESSOR SAHEED AJAYI**

#646 – Minimising Construction Rework: The Influence of BIM Maturity Levels in Malaysian Projects

Yee Kang Aw, Yu Hoe Tang, Jing Ying Wong, Abdullahi Ali Mohamed and Zhi Xian Chew











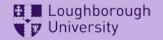
**SEEDS** 2025

#### DR ALI SAAD

#594 – What is a sustainable construction project?

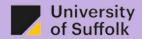
**Dr Richard Davies** 













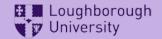
#### PROFESSOR CHRIS GORSE

\*ONLINE WINNER\*

#678 – Assessing the impact of air source heat pumposored by retrofits on indoor environment and energy consumption

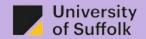
in UK homes

**Professor Rajat Gupta** 









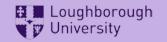
**SEEDS** 2025

#### PROFESSOR COLIN BOOTH

#657 – Sustainable Validation of Water Consumption using Drones in Bahrain

**Dr David Love** 











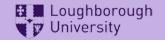
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#### DR ALISON POOLEY

#703 – Enhancing Energy Efficiency in Office Buildings Through Façade Retrofit Strategies in the

**Tropical Regions** 

**Dr Hong Wang Thing** 









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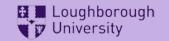
**SEEDS** 2025

#### PROFESSOR DARRYL NEWPORT

#667 – Boldly Going Where No Sustainability Assessment Tool Has Gone Before

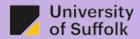
Mrs Carolynne Williams-Twynam











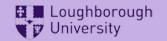
## CIOB AWARD FOR BEST PRACTICE PAPER

**SEEDS** 2025

## £100 CASH PRIZE MISS CHRISTINA THOMPSON-MOUNTFORD

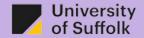












## CIOB AWARD FOR BEST TECHNICAL PAPER

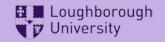


## £100 CASH PRIZE ANA KARINA SILVERIO

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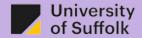












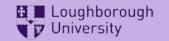
## EMERALD PUBLISHING AWARD (1)



## £80 CASH PRIZE AGNES KAIMA













## EMERALD PUBLISHING AWARD (2)



## £80 CASH PRIZE SHASHANK TIWARI

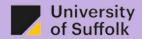












## EMERALD PUBLISHING AWARD (3)

**SEEDS** 2025

## £80 CASH PRIZE MEGI ZALA













## **SEEDS** 2025

# ONE YEAR ISEP AFFILIATE MEMBERSHIP LUKE MORLEY

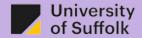












# Congratulations and thank you to all of our speakers and attendees.











