



INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY







IN-PERSON AWARDS

THURSDAY 29th AUGUST 2024

AI-Driven Sustainable Design: From Concepts to Real-World Applications

SEEDS 2024

WINNER

#511 – Adoption of Artificial Intelligence (AI) in Real Estate Valuation Practice in Lagos, Nigeria

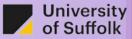
Adejumo Abiodun, Timothy Oluwafemi Ayodele, Mathew Oluwole Oyewole, Oyinloluwa Beatrice Adebara, Christianah Oluwatumilara Hassan, Olawande Julianah Adeosun











Building Resilient Societies: Strategies for Climate Adaptation and Mitigation

SEEDS 2024

WINNER

#561 – Integrating Data into Community Resilience: A Bayesian Approach to Assessing Flood Resilience in Built Environments

Pavithra Rathnasiri, Onaopepo Adeniyi, Niraj Thurairajah

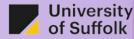






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Building Resilient Societies: Strategies for Climate Adaptation and Mitigation

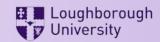
SEEDS 2024

HIGHLY COMMENDED

#532 – Life Cycle Assessment (LCA) for a School Building Retrofit Regarding Embodied and Operational Carbon Emissions

Hatice Bıyık, Ali Murat Tanyer, İrem Dikmen







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Case Studies in Sustainable Development: Finding Harmony between Old and New

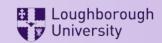
SEEDS 2024

WINNER

#577 – Investigating Attitudes Towards the use of Electrical Prefabrication in Relation to Time, Cost, And Quality in the Electrical Industry in Ireland

Áine Foley, Aoife Corcoran, Shane Carmody and John Spillane







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Case Studies in Sustainable Development: Finding Harmony between Old and New

SEEDS 2024

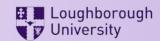
HIGHLY COMMENDED

#476 – On the Shore of the Lough: Navigating Sustainability in the Rural Context

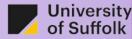
Philippa Boyd, Graeme D Larsen











Community-Centered Resilience: Engaging and Empowering Local Populations.

SEEDS 2024

WINNER

#473 – A Community-Scale Framework for Evaluating Flood Resilience Across Socially Diverse Communities

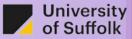
Ezekiel Olatunji, David Proverbs, Chaminda Pathirage, Subashini Suresh, Jamie Cooper, Lucinda Capewell











Digital Twins and Sustainability: Leveraging Industry 4.0 for Ecological Engineering

SEEDS 2024

WINNER

#582 – Digital Twins in the Net-Zero Carbon Transition for the Built Environment

Sitsofe Yevu, Chris Gorse, Patricia Carrillo, Kambiz Rakhshanbabanari











Environmental Justice in Ecological Engineering: Ethical Dimensions of Community Impact

SEEDS 2024

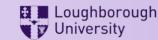
WINNER

#571 – Navigating Environmental Disputes: Lawyers' Insights into ADR Strategies and Experiences

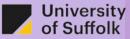
Sneha Selina Bonomally, Andrew Agapiou











Industry 4.0 and Environmental Monitoring: A Path to Greener Futures

SEEDS 2024

WINNER

#512 – Embodied Water Monitoring for Sustainable Construction: A Case of India

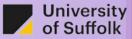
Vishakha Chawla, Naeimeh Jafarifar, Michele Victoria, Huda Salman and Gokay Deveci











Industry 4.0 and Environmental Monitoring: A Path to Greener Futures

SEEDS 2024

HIGHLY COMMENDED

#551 – Digitalization of the Offshore Wind Sectors Supply Chain

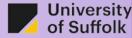
Mary Atolagbe, Bassam Bjeirmi, Norman McLennan











Innovation and Tradition in Sustainable Organisation: A Holistic Approach

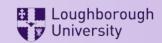
SEEDS 2024

HIGHLY COMMENDED

#504 – Systematic Analysis of Capability Maturity Models for Enhancing Circular Economy Adoption in the Construction Supply Chain

Hafize Büşra Bostancı, Ali Murat Tanyer







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Lessons from the Wild: Nature-Inspired Materials and Structures

SEEDS 2024

WINNER

#555 – Local Resources Inform Design: Mid-Point Results from the Building from England's Woodlands Project

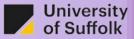
Gabriele Tamagnone, Finbar Charleson, Marlene Cramer, Paola Seminara, Wojciech Plowas, Daniel Ridley-Ellis, Robert Hairstans







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Responsible Innovation in Sustainable Design: Ethical Considerations and Best Practices

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WINNER

#505 – Do Built Environment Students Want Feedback?

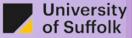
Greg Watts











Smart Cities and Environmental Sustainability: The Role of Digital Solutions

SEEDS 2024

HIGHLY COMMENDED

#469 – An Evaluation of Regulatory Documents Towards Automated Compliance Checking in Green Building Design

Muhammad Aliyu Yamusa , Muhammad Abdullahi, Yahaya Makarfi Ibrahim, Hassan Adaviriku Ahmadu, Mu'awiya Abubakar, Abdullahi Babatunde Saka and Abdullahi Sulaiman Salisu











Sustainability and Social Responsibility: Creating Equitable, Eco-Friendly Solutions

SEEDS 2024

HIGHLY COMMENDED

#508 – Quantifying the Social Value of the UK Construction Industry

Greg Watts, Mo Maleki Sadabad and Waleed Khan











Sustainable Urban Planning: Balancing Growth with Ecological Preservation

SEEDS 2024

WINNER

#579 – Determining the Effectiveness of Risk Process
Practice in Malaysia's Urban Landscape Planning Project
Lifecycle

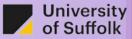
Adam Aruldewan S.Muthuveeran, Zahirah Mokhtar Azizi, Mohd Firdaus Mustaffa Kamal, Izuandi Yin, Chen Wenyi







COB



Traditional Building Techniques Meet Modern Sustainability Standards

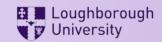
SEEDS 2024

WINNER

#480 – On the Origin of Methodology: An MMC Sustainable Construction Assessment Framework for UK Housing

Elliot McKendrick and Sam Zulu

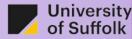






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Sponsorship Award: CIOB Award for Best Practice Based Paper

SEEDS 2024

£100 CASH PRIZE

#580 – Work Breakdown Structures Within Data Centre Projects: Assessing Influence and Application Strategies

Anthony McElwee, John P. Spillane, and James G. Bradley

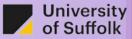






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Sponsorship Award: CIOB Award for Best Technical Paper

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£100 CASH PRIZE

#574 – Effects of Occupant Behaviour and Air Filtration on Indoor Air Quality in Social Housing

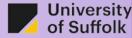
Vishnupriya Narayanan, Arman Hashemi, Heba Elsharkawy, Darryl Newport











Sponsorship Award: Emerald Publishing

SEEDS 2024

£80 CASH PRIZE

#515 – Standard Forms of Contracts and the intricacies of Force Majeure in Demystifying Unexpected Events in Construction Projects.

Tracey Lancaster, Temitope Omotayo, Ping Yung







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Sponsorship Award: Emerald Publishing

SEEDS 2024

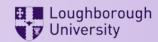
£80 CASH PRIZE

#578 – The Impact of Attitudinal Engagement When Implementing Digitalisation in Construction Projects

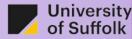
Gabriele Crotty, Saoirse Cowman, John. P. Spillane, Michael R. Curran and James G. Bradley.











Sponsorship Award: IEMA

SEEDS 2024

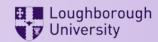
1YEAR AFFILIATE MEMBERSHIP OF IEMA

#582 – DIGITAL TWINS IN THE NET-ZERO CARBON TRANSITION FOR THE BUILT ENVIRONMENT

Sitsofe Yevu, Chris Gorse, Patricia Carrillo, Kambiz Rakhshanbabanari











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PROFESSOR SAHEED AJAYI

#542 – Application areas and potential benefits of blockchain smart contract in infrastructure Public-private partnership (PPP) projects

Emmanuel Eze







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PROFESSOR CHRIS GORSE

#517 – The Impact of Varying Future Weather Condition on the Energy Consumption within Leeds City Centre with Reference to the Urban Heat Island Effect

Oliver Barker

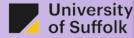






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DR ALISON POOLEY

#571 – Navigating Environmental Disputes: Lawyers' Insights into ADR Strategies and Experiences

Sneha Selina Bonomally and Andrew Agapiou











SEEDS 2024

PROFESSOR COLIN BOOTH

#561 – Integrating Data into Community Resilience: A Bayesian Approach to Assessing Flood Resilience in Built Environments

Pavithra Rathnasiri, Onaopepo Adeniyi, Niraj Thurairajah

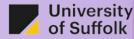






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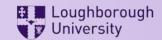
PROFESSOR DARRYL NEWPORT

#570 - Bio-Electrochemical Evaluation of Constructed Wetland-Microbial Fuel Cells for Wastewater Treatment and Simultaneous Bioenergy Recovery

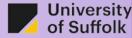
Onyedikachi Emereole











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PROFESSOR LLOYD SCOTT

#585 - Bridging the Global North and South for Sustainable Environmental Governance: Equitable Resource Sharing, Citizen Science, Technology Transfer and

Cultural Synergy

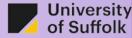
Phyllis Ndono, Ufuoma Egbegbedia















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THANK YOU FOR COMING

THURSDAY 29th AUGUST 2024