



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SEEDS CONFERENCE AWARDS

TORTWORTH COURT

1<sup>st</sup> SEPTEMBER 2022

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## BIM , SOFTWARE AND DIGITAL INNOVATION

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## BIM, SOFTWARE AND DIGITAL INNOVATION Highly Commended

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#170** – *Design for Sustainability: An approach based on the integration of BIM and Building Performance Analysis*

**Girish Patel Gudumagatte Malleshappa, Abdul Quayyum Gbadamosi, Zi Qian, Haibo Feng, Bolakunmi Oluwayemi**



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## BIM, SOFTWARE AND DIGITAL INNOVATION Winner

*#185 – Hacking Infrastructures – Parasitic Scenarios,  
Computational Strategies and Circularity*

**Cristina Nan & Fraser Morrison**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## BUILDINGS AND PERFORMANCE

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## BUILDINGS AND PERFORMANCE

Winner

**#127** - *Evaluation of Attributional and Consequential Approaches for A Holistic Life Cycle Assessment*

**Dilara Nur Keskin & Mohammad Sakikhale**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## DISASTER MANAGEMENT

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## DISASTER MANAGEMENT

Highly Commended

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#237** – *A weighted centrality-based scenario analysis for identifying the most suitable evacuation strategy for a tsunami hazard during a pandemic outbreak - Literature review and an expert opinion survey in Sri Lanka*

**Malith Senevirathne, Dilanthi Amaratunga & Richard Haigh**





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## DISASTER MANAGEMENT

Winner

**#104** – *Construction Projects in Saudi Arabia: risk analysis*

**Yahya Rashid, Rashid Maqbool, Sadia Mansoor, Ayman Abdullah Altuwaim  
& Mohammed Rayan Saiba**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## EDUCATION AND TRAINING

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## EDUCATION AND TRAINING

Highly Commended

*#241 – Barriers to the implementation of work-based learning into engineering programmes: A review*

**Olalekan Shamsideen Oshodi, Emmanuel Itodo Daniel & Adeyemi Ayodele Akintola**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## EDUCATION AND TRAINING

Winner

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

*#260 - Balancing indoor CO2 concentration levels and thermal comfort: Actions in primary school classrooms*

**Gabriela Zapata-Lancaster & Miltiadis Ionas**



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## ENERGY AND CARBON

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## ENERGY AND CARBON

Highly Commended

**#236** – *Dock-to-Dock: Multimodal Freight Transportation in Coastal Regions:  
Challenges, Opportunities, and Benefits*

**Arnaud Didey, Yaseen Zaidi, Vilius Portapas & Jerzy Bakunowicz**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## ENERGY AND CARBON

Winner

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#134** – *Considering Carbon as Another Criterion on Deciding the Optimum Material Mix: A Case Study Using AHP Technique*

**Amalka Nawarathna, Muditha Siriwardana & Tariq Umar**



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## FINANCE AND RISK MANAGEMENT

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## FINANCE AND RISK MANAGEMENT

### Highly Commended

***#226** – Role of Financial Incentives in promoting Disaster Resilience of the housing sector*

**Shavindree Nissanka, Dilanthi Amaratunga & Richard Haigh**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## FINANCE AND RISK MANAGEMENT

Winner

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#107** – *Declining high street – Are local landlords a solution? – A study of Trowbridge, UK*

**Keegan Armstrong & Grazyna Wiejak-Roy**





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## HEALTH AND SAFETY

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## HEALTH AND SAFETY Highly Commended

*#255 – Health, Safety and Well-being Issues in Construction*

**Zukiswa Mdyogolo & John Smallwood**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## HEALTH AND SAFETY

Winner

***#182** – Understanding pedestrian red light violation: Exploration of the impact of traffic engineering and traffic conditions*

**Luc Pellecuer & Aurélien Chusseau**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## PROJECT MANAGEMENT

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## PROJECT MANAGEMENT Highly Commended

***#155** – Back To the Future – North Arm Cove Initiative: Implementing Circular Economy principles in creating sustainable, resilient, innovative precincts (presented by Dejan)*

**Dejan Simovic & Tatjana Djuric-Simovic**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## PROJECT MANAGEMENT

Winner

INCLUDING an EMERALD PUBLISHING  
SPONSOR'S PRIZE

**#190** – *Talking clients into sustainability*

**Emmanuel Aboagye-Nimo, Poorang Piroozfar & Euan Carmichael**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE



University  
of Suffolk

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SOCIAL VALUE

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SOCIAL VALUE

Highly Commended

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#240** – *Do job advertisements promote gender inequality in the construction sector?*

**Ralph Olusola Aluko, Olalekan Shamsideen Oshodi & Emmanuel Itodo Daniel**



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SOCIAL VALUE

Winner

**#140** – *Construction Social Value: contractors prefer pretty parrots over ugly ones*

**Gregory Watts**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SUSTAINABLE ARCHITECTURE

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SUSTAINABLE ARCHITECTURE

### Highly Commended

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#257** – *Mini-Eco-House Design: International Application*

**Richard Cozzens**



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SUSTAINABLE ARCHITECTURE

Winner

**#108** – *Sustainable daylighting strategies: A Study on the Types of Daylighting Strategies and Energy Efficiency with focus on the Built-Up Environment in Hot and Humid Climate Regions*

**Esther Kiruba Jebakumar & Kotha Vineetha**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SUSTAINABLE CONSTRUCTION

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

## INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

# SUSTAINABLE CONSTRUCTION

## Highly Commended

***#214** – Study the impact of Internal and External key Influencers on the level of adoption of technological Innovation in Affordable Housing Projects*

**Alireza Moghayedi, Bankole Awuzie, Karen Le Jeune, Mark Massyn & Temitope Omotayo**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

## INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

# SUSTAINABLE CONSTRUCTION

Winner

**#130** – *Assessment of time delay and cost overrun factors influencing the building construction project control practices in Nigeria*

**Oluwaseun Enoch Akindele, Adeyemi Oluwaseun Adepoju & Saheed Ajayi**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SUSTAINABLE CONSTRUCTION (off site construction)

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SUSTAINABLE CONSTRUCTION (off site construction)

Highly Commended

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#103** - *Increasing the prevalence of offsite construction in UK housing association developments: conceptual and pragmatic advantages and challenges*

**Andrew Agapiou**



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

## INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

# SUSTAINABLE CONSTRUCTION (off site construction)

Winner

**#168** -*Adoption of Offsite Manufacturing in Housing Sector: Challenges, Benefits and Future Opportunities*

**Pranay Reddy Unthela, Abdul-Quayyum Gbadamosi, Abdul-Majeed Mahamadu  
& Bolakunmi Oluwayemi**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## URBAN DESIGN PLANNING

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## URBAN DESIGN PLANNING

### Highly Commended

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#105** – Public space in Rzeszów as a modernist vision of green areas within the city

**Rafał Mazur & Adam Rybka**





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## URBAN DESIGN PLANNING

Winner

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#116** – *Co-design and virtual reality for post-disaster infrastructure in Ecuador*

**Mirko Russo & Ornella Iuorio**



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## WASTE MANAGEMENT

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## WASTE MANAGEMENT Highly Commended

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability

**#164** – *An Experimental Conversion of Wasted Facemasks to Eco-Composites*

**Omar Mohamed Yousry Salah Mohamed El Hawary**



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## WASTE MANAGEMENT

Winner

***#267** – A Qualitative investigation into the Cause and Effect of Non-Physical Waste on UK and Irish Construction Sites*

**Dylan Mullins, Shane Buttimer, John P. Spillane, James G. Bradley,  
Mohamed Issa, Michael Curran & John Bruen**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE



University  
of Suffolk

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SPONSORS AWARDS

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SPONSORS PRIZE- ICE PUBLISHING

Winner

**#263** - *BIM's Contribution on HSE Improvement of the Construction Industry*

**Dr Mo Maleki Sadabad, Dr Erica Mulowayi, Kate Leonard**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SPONSORS PRIZE- ICE PUBLISHING

Winner

**#256** - *Construction Health and Safety Practices on a Roads Agency's Projects,*

**Marianne Mekoa & John Smallwood**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SPONSORS PRIZE- IEMA

Winner

**#114-** *The 5Rs for Waste Management of Abandoned Infrastructure in Nigeria*

**Mercy Ogunnusi, Huda Salman, Richard Laing & Temitope Omotayo**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SPONSORS PRIZE- CIOB

Winner

***#167** – Shockproofing UK Construction Supply Chains in Disrupted  
Environments*

**Neil Pickavance**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SPONSORS PRIZE- CIOB

Winner

**#139** *The Prevalence of Sustainable Development Goals Amongst  
Construction Industry Reporting*

**Gregory Watts**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE



University  
of Suffolk

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## CHAIRS AWARDS

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability





LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SEEDS CHAIR'S AWARD

Winner

**#224-** *Design Lessons from Plants for Adaptive Solar Skins*

**Sara Jalali, Angharad Davies, Lidia Badarnah & Eleonora Nicoletti**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

## SEEDS CHAIR'S AWARD

Winner

**#240** - *Do job advertisements promote gender inequality in the construction sector?*

**Ralph Olusola Aluko, Olalekan Shamsideen Oshodi & Emmanuel Itodo  
Daniel**

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability



LEEDS BECKETT UNIVERSITY  
LEEDS SUSTAINABILITY  
INSTITUTE

**UWE**  
**Bristol** | University  
of the  
West of  
England



**University  
of Suffolk**

# INTERNATIONAL SUSTAINABLE ECOLOGICAL ENGINEERING DESIGN FOR SOCIETY (SEEDS)

CONGRATULATIONS TO ALL OUR WINNERS

SPECIAL THANKS TO OUR PARTNERS AND  
SPONSORS

THANK YOU ALL FOR ATTENDING

SPONSORED BY:



**IEMA**

Transforming the world  
to sustainability