



Gathering25  
Realising vision, advancing automation

CITA25  
Driving Digital Construction  
for 25 years

*Thanks for joining us today*

*25 Years of Digital Construction: Realising  
Visions, Advancing Automation*



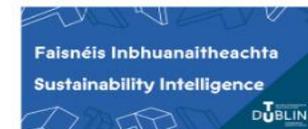
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# Paper Awards

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Innovation/Impact Paper  
Category



Emerging Researcher  
Paper Category



Industry-Academic  
Paper Category



6<sup>th</sup> November 2025

## Innovation/Impact Paper Category Shortlisted Papers



Towards Urban-Scale Renovation: Integrating Multi-Agent Urban Digital Twin Framework with the RINNO Suite

Omar Doukari and Marzia Bolpagni

BIM properties for a Psychological-Based Code Compliance Checking for Mental Healthcare facilities  
Silpa Singharajwarapan and Ibrahim Motawa

Automating Quantity Take-off and Data Validation in a BIM-Based Workflow  
Sean Auden and Malachy Mathews



6<sup>th</sup> November 2025

# Innovation/Impact Paper Category

## Overall Best Paper



Towards Urban-Scale Renovation: Integrating Multi-Agent Urban Digital  
Twin Framework with the RINNO Suite  
Omar Doukari and Marzia Bolpagni



6<sup>th</sup> November 2025

## Emerging Researcher Paper Category Shortlisted Papers

**GARLAND**  
Consulting Engineers

Barriers and Enablers to Digital Document Approval in Common Data Environments within the Irish Construction Industry  
Ciara Sinden

A critical review of the use of Generative Pre-trained Transformers (GPT) models in the generative design process of cleanroom architectural design  
Kemil Naidoo and Kieran O Neill

A Process Map identifying pathways for integrating Artificial Intelligence (AI) tools and techniques into clash management workflows within the design process of large-scale residential buildings  
Bruna Gil Donnarummo and Emma Hayes



6<sup>th</sup> November 2025

## Emerging Researcher Paper Category Overall Best Paper

**GARLAND**  
Consulting Engineers

A critical review of the use of Generative Pre-trained Transformers (GPT) models in the generative design process of cleanroom architectural design

Kemil Naidoo and Kieran O Neill



6<sup>th</sup> November 2025

# Industry-Academic Collaboration Paper Category Shortlisted Papers



Visualising Embodied Carbon for Building Design  
Killian Collins and Malachy Mathews

Benchmarking Organisational BIM Certification in Ireland: Motivations, Benefits, and Future Needs  
Davitt Lamon, Barry McAuley and Mark Mulville

Building the Future – The Role of Artificial Intelligence (AI) in Construction Management in Ireland  
and the UK  
Taseen Muhammad, Colin Harte, Daniel Clarke Hagan, Mary Catherine Greene and Michael Curran



6<sup>th</sup> November 2025

# Industry-Academic Collaboration Paper Category Best Overall Paper



Building the Future – The Role of Artificial Intelligence (AI) in  
Construction Management in Ireland and the UK

Taseen Muhammad, Colin Harte, Daniel Clarke Hagan, Mary Catherine  
Greene and Michael Curran



6<sup>th</sup> November 2025

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A few to thank ... and to the  
next 25 years