

Next-Generation Construction in Ireland

Education, Research
and Training as
Key Enablers

ONE-DAY CONFERENCE / 24 NOVEMBER 2022

Royal Irish Academy, 19 Dawson Street, Dublin 2

Programme

9.30–10.00 Registration

10.10–10.45 **OPENING SESSION**

Welcome from President of the Royal Irish Academy
Mary Canning MRIA

Keynote address

PJ Rudden, Aengus Consulting and Chair of Innovation and Digital Adoption,
Construction Sector Group

Introduction by Conference Chair

Orla Feely MRIA, Vice President for Research, Innovation and Impact and Professor of Electronic
Engineering, University College Dublin; Past-President, Engineers Ireland

BREAK

11.00–12.30

SESSION I: MODERN METHODS OF CONSTRUCTION (MMC)

Chair: Professor Aoife Ahern, Dean of Engineering University College Dublin

Speaker 1

Professor Richard Buswell, Professor of Building Systems and Engineering and Hybrid Concrete Printing Group lead, Loughborough University

Speaker 2

Martin Searson, Founder and CEO Quality Positive Ltd

Panel discussion with above speakers plus panellists

- Claire Lane, Associate Director, LMC Group Ltd
- Professor Gerry Byrne, UCD
- Marchant van den Heever, Technical Director, Harcourt Technologies Ltd

LUNCH

13.30–15.00

SESSION II: DIGITAL ADOPTION FOR CONSTRUCTION

Chair: Sean Downey, Construction Industry Federation

Speaker 1

Dr Tara Brooks, School of Natural and Built Environment, Queen's University Belfast

Speaker 2

Joseph Mady, CEO, Digital Construction Technologies Group

Panel discussion with above speakers plus panellists

- Dr Elisabeth O'Brien, Digital Academy for the Sustainable Built Environment, Technological University of the Shannon: Midwest
- Emma Hayes, Managing Director, Digital Built Consultants
- Dr Cormac Flood, Coady Architects

BREAK

15.15–16.35

SESSION III: NEW TECHNOLOGIES AND POLICIES FOR ENHANCED SUSTAINABILITY

Chair: Brian Norton MRIA, Head of Energy Research, Tyndall National Institute; Research Professor, University College Cork; Professor of Solar Energy Applications, TU Dublin.

Speaker 1

Orla Coyle, Head of Energy and Sustainability, Savills Ireland

Speaker 2

Sarah Miley, Apprenticeship and Public Policy Partnering, Department of Further and Higher Education, Research, Innovation and Science

Panel discussion with above speakers plus panellists

- Professor Jamie Goggins, Co-director, Construction Technology Centre, Established Professor, University of Galway
- Lorraine Fitzgerald, Head of Sustainability, Glenveagh Properties PLC
- Mark Courtney, Managing Director, House2Home Refit Ltd

16.35–17.00

CLOSING DISCUSSION: SUMMARIES, KEY THEMES AND OUTCOMES

Led by the Conference Chair and Session Chairs

CONFERENCE CLOSE

This conference is organised by the RIA Engineering & Computer Sciences and the Geography & Geosciences committees and the Construction Industry Federation and sponsored by the Higher Education Authority, SEAI and Enterprise Ireland.