



IRISH
CONCRETE
SOCIETY

Joint Technical Seminar
1 hour CPD

Institute of
Concrete
Technology



Advanced Concrete Technology Lecture: Deploying smart technologies to lead a concrete evolution

Who should attend:

- Design Engineers
- Consulting Engineers
- Site Engineers
- Concrete Producers
- Main Contractors

Presented by:

Paul O'Hanlon, Holcim Innovation Center, France

22nd February 2022 at 1pm

Email: events@concrete.ie to register

Introduction

Urbanisation will dramatically increase in the coming decades, with the world set to build the equivalent of New York City every month from now until 2050. Building both faster and in a more sustainable manner are the biggest challenges facing the construction industry today. A concerted effort is already being made in reducing the carbon footprint of construction materials. In doing so, benefit can be derived from the constantly increasing knowledge and expertise we have of our materials, and in combining this with new digital technologies.

During the course of this webinar we will provide an insight into different types of numerical models and sensor technology which are currently available, such as:

- predictive thermal modelling in massive elements;
- early age real-time in-situ strength prediction; and,
- long distance, vertical and horizontal pumping simulation.

We will end the session by providing a glimpse into a vision of the industry in the not too distant future.

Who should attend

This presentation will be of interest to all those who are involved in the design, specification, production and construction of concrete. Those who should attend include design engineers, consulting engineers, concrete technologists, concrete producers, and engineers in contracting and sub-contracting firms.

Speaker Biography

Paul O'Hanlon is R&D Project Manager for the 'Self-Testing Concrete' project based at the Holcim Innovation Center near Lyon, France. He has over 21 years of ready-mixed concrete industry experience, having spent 12 years with Ireland's largest concrete products producer Kilsaran in the role of RMX Technical Manager. He then joined CCC the largest contracting company in the MEA in the position of Chief Concrete Technologist for a high profile, multi high-rise project based in Kazakhstan.

Paul joined Holcim in 2016 where he was appointed Country RMX Technical Manager for Qatar, becoming the Head of Growth, Innovation & Quality in 2019. In 2021, Paul began a new position as a global R&D Project Manager for the Self-Testing Concrete project, at the Holcim Innovation Center, France.

Paul holds designatory status with both the Institute of Concrete Technology and the UK Concrete Society.

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For further information, see: <https://concrete.ie/technical-seminars/>

The Irish Concrete Society is a not for profit learned body established in 1973 to support and encourage excellence in the use of concrete

www.concrete.ie