



THE IRISH
CONCRETE
SOCIETY

Technical Seminar

One hour CPD

Continuing our occasional online series of

Lunchtime Seminars

Series 1: Innovation

Practical applications of recent Irish research in concrete technology

Third Talk: ReSHEALience Project: Rethinking Coastal Defences

Presented by: Prof Liberato Ferrara (Politecnico di Milano) and Peter Deegan (Banagher Precast Concrete)

27th October 2020 at 1pm

Email: events@concrete.ie to register

Introduction

This Horizon 2020 project aimed to develop (a) an Ultra High Durability Concrete (UHDC) and (b) a Durability Assessment-based Design (DAD) methodology to improve the durability and predict the long-term performance of structures in Extremely Aggressive Exposure (EAE) conditions. The driving principle of this project is that the long-term behaviour of such structures can benefit from the use of high performance materials. This is achieved within the framework of durability-based design approaches by advancing UHPC/UHPFRC through the incorporation of tailored Nano scale constituents which focus on stimulating autogenous self-healing. New design concepts are being validated through long-term monitoring in six full-scale pilot projects, selected as representative of cutting edge economy sectors, such as green energy, blue growth and conservation of reinforced concrete heritage.

Who should attend

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

Agenda

13.00 Welcome and Introduction

13.05 Advanced Cement Based Composites: an Asset for Civil Engineering to Contribute to Societal and Economical Challenges.

The Approach of the H2020 Project 'ReSHEALience'.

Prof Liberato Ferrara, Project Coordinator, Politecnico di Milano,

13.25 UHDC Concept, Design, Manufacture and Pilot Casting at Banagher.

Peter Deegan, Irish Pilot Project Lead, Banagher Precast Concrete

13.45 Questions and Answers

Prof Liberato Ferrara and Peter Deegan

14.00 Ends

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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