



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

Second Talk: UHPC - a New Frontier in Concrete Design

Presented by: Dr William Wilson, Roadstone

29th September 2020 at 1pm

Email: events@concrete.ie to register

Introduction

Ultra High Performance Concrete (UHPC) is a relatively new form of concrete that exhibits enhanced strength and durability properties in comparison to conventional concretes. However, associated higher binder contents and significantly higher initial costs requires improved material sustainability performance. Conducted in Sligo Institute of Technology, this research examined the development of new UHPC mixes to improve both material sustainability and to make UHPC more readily available. In addition to conducting experimental characteristic strength testing, experimental testing and three-dimensional finite element modelling were conducted on small-scale structural elements to determine the structural behaviour of the material and demonstrate how numerical modelling can be utilised for the future development of design codes and guidelines.

Who should attend

This presentation will be of interest to all those who are involved in the design, specification and construction of concrete structures. Those who should attend include architects, 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 UHPC - a New Frontier in Concrete Design

Dr William Wilson, Concrete Technologist, Roadstone

13.45 Questions and Answers

14.00 Ends

Email: events@concrete.ie to register

Information on future talks in this series will follow, 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