



Institute of Concrete Technology

49<sup>th</sup> ICT Convention/Symposium

# Net Zero Carbon Concrete

*Do we know where we are going?*

29<sup>th</sup> & 30<sup>th</sup> April 2021



Photo: LEILAC Project, Jan Theulen, HeidelbergCement

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# Net Zero Carbon Concrete

## Do we know where we are going?

The title of this year's ICT Convention / Symposium is "Net Zero Carbon Concrete" and by any standards is a most ambitious claim. More to the point, is it attainable? Who will be the winners and who the losers?

This Symposium will have ten presentations spanning the available options from what is desirable through to what can be achieved at a practical and economic level. It is clear that concrete's carbon legacy is a global problem and is being addressed nationally and internationally. As a consequence, there will be presentations from the U.K., France, Germany, South Africa, Sweden and Belgium and Chaired by the CEO of the World Cement Association. This will be a significant event and perhaps a wake-up call.

Topics will range from operational / production issues as well as materials changes and applicational matters. There is a real commitment to achieving the stated objective resulting in alterations to the designing, making and use of concrete. In addition, the perceptions about concrete are going to change and we all need to be aware to what extent and by when.

Attending this Symposium is a unique opportunity to hear from those who are leading these changes. Whatever your role in the concrete arena, you will benefit from knowing to what extent these changes will impact both personally and professionally.

The ICT hopes to see you there.

### Provisional Programme

<b>Chairman: Ian Riley CEO, World Cement Association</b>	
<b>29<sup>th</sup> April 2021</b>	
Keynote: UK Concrete and Cement Industry Roadmap to Beyond Net Zero	Dr Richard Leese, Mineral Products Association
Hydrogen - a step towards net zero cement production	Iain Walpole, Environmental Sustainability Manager, Hanson
The manufacture of low carbon aggregate from kiln dust and CO <sub>2</sub>	Dr Laury Barnes-Davin, Scientific Director, Vicat, France and Dr Paula Carey, Carbon8 Systems, UK
Net Zero Emission Concrete: Applications in Construction and Mining	Cyril Attwell, ARC Innovations, South Africa
Environmental Product Declarations (EPDs), Carbon Footprinting and Concrete	Dr Hafiz Elhag and Matthew Butcher, British Precast
<b>30<sup>th</sup> April 2021</b>	
Swedish roadmap for climate neutral cement and concrete industry	Prof Katarina Malaga and Dr Urs Mueller, Research Institutes of Sweden, Sweden
Sustainable concrete in practice: A holistic approach	Paul Astle, Ramboll
HeidelbergCement path to carbon neutrality and the role of CCUS	Dr Jan Theulen, HeidelbergCement, Germany
Zero OPC Self Compacting Concrete: A Flemish case study using local slags	Lukas Arnout, Wouter Crijns and Thomas Lapauw, Resourcefull, Belgium
Delivering Low Carbon Concrete for Network Rail	Bruce Martin and Helen McGarry, Expedition Engineering



# Institute of Concrete Technology

49<sup>th</sup> Annual Convention/Symposium

29 and 30<sup>th</sup> April 2021 Virtual Event

## Delegate Rates and Registration Form

COSTS					
Category		Membership status	Cost (exl VAT)	Total (inc VAT)	Please tick
A	Technical Symposium 29 and 30 <sup>th</sup> April 2021	ICT	50	-	
		Non-member	75	-	
		Student/Retired	30	-	
B	AGM only, 29 <sup>th</sup> April 2021		No charge	Total amount	

Delegate Details			
Surname		Forename	
Title		Tel	
Position		Fax	
Organisation			
Address			
		Post code	
Email			
		Date	

PAYMENT OPTIONS	
A	Online card payments can be made at: <a href="http://theict.org.uk/convention-new.asp">http://theict.org.uk/convention-new.asp</a>
B	<b>BACS payment:</b> HSBC Bank Plc, 41 Sandgate Road Folkestone Kent CT20 1SA <b>HSBC Bank, Institute of Concrete Technology (The)</b> <b>Sort Code 40-21-15, AC 41691643</b> <b>IBAN GB80HBUK40211541691643</b> <b>SWIFT HBUKGB4131M</b> Please quote the invoice number when making payment
C	<b>Cheque:</b> Please make cheques payable to The Institute of Concrete Technology
VAT Registration No: GB 192 9085 74	
<b>Please send completed form to: Edwin Trout, Executive Officer, ICT.</b> E mail: <a href="mailto:executiveofficer@theict.org.uk">executiveofficer@theict.org.uk</a> Post: c/o The Concrete Society, 4 Meadows Business Park, Blackwater, Camberley, GU17 9AB. UK	

**Deadline: 25<sup>th</sup> April 2021**