



The Institute of Concrete Technology

*48<sup>th</sup> Annual Convention Symposium*

# Concrete: Getting More from Less



3<sup>rd</sup> and 4<sup>th</sup> September 2020

*Members free – [Book here](#)*

*Non-members £ 50 – [Book here](#)*

**An ICT online event hosted by LKAB**

*Please note: Chrome or Firefox are the best platforms to access the webinar*

*Please email [ict@concrete.org.uk](mailto:ict@concrete.org.uk) for CPD request.*

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[www.theict.org.uk](http://www.theict.org.uk)

## Provisional Programme

# Concrete: Getting More from Less

It is fair to say that efficiency and effectiveness are cornerstones in the construction sector and with concrete making and use in particular. In pursuing these objectives the mantra “getting more from less” rings true. It can be difficult to quantify what is meant by “more” and “less” when dealing with issues such as sustainability and the environment. Benefit from one standpoint may well be regarded as a liability from another. Recent reaction to global warming and weather change brings these contradicting issues into sharp perspective.

For instance, less CO<sub>2</sub> may be good but resulting additional costs may be less so. On the other hand getting more strength from less cement or better durability by using less water lend themselves to putting numbers on the benefits concrete and its components are coupled to design options that have to compete with established alternatives. These options can be conflicting issues and will be exemplified by way of examples and test cases and expanded upon by open discussion. We can learn from the experience of others.

A balance has to be struck between what is ideal versus what is pragmatic.

This symposium will give the opportunity to address these opportunities and concerns in a wide- ranging forum.

<b>3<sup>rd</sup> September 2020</b>		
09.30	ICT Annual General Meeting	
09.55	Chairman’s Introduction	Professor P A M Basheer University of Leeds
10.00	Keynote: Balancing the impact and utility of concrete	Professor Phil Purnell, University of Leeds
10.45	Discussion	
11.00	Break	
11.30	Ultra-high quality GRC for the 21 <sup>st</sup> Century	Bob Faulding, GRC Synergies Ltd
12.00	Digital fabrication in concrete construction	Dr Timothy Wangler, ETH Zurich, Switzerland
12.30	Discussion	
12.45	Close	
<b>4<sup>th</sup> September 2020</b>		
09.30	The role of in-transit management in concrete production	Helen Frape, GCP Applied Technologies
10.00	eco2floor - a low carbon self-levelling floor screed	Nico Vonk, Ecocem Benelux, Netherlands
10.30	EFC® Geopolymer Concrete – a low carbon solution to long term durability	Charles Allen OTB Concrete Ltd and John Day, Wagners Group
11.00	Discussion	
11.15	Break	
11.45	How to achieve sustainability of multi cementitious blends for highly durable concrete in the extreme Middle East environment	Nick Davis, Delmon Readymix, Bahrain
12.15	More durable concrete with ternary cements	John Lay, CEMEX
12.45	Discussion	
13.00.	Close	