

No.	Date	Time	Topics	Keynotes	Keynote Speakers
0	Sept 18, 2023	08.15 - 08.45	A : Future of the construction	Inspiration from construction engineers and designers*	<b>Stuart Smith</b>
1	Sept 18, 2023	08.45 - 09.15	B : New dimensions in clinker production	Clinkers for low CO <sub>2</sub> cements: thermodynamic aspects and process implications	<b>Alexander Pisch</b>
		09.15 - 09.45		Cement plants of tomorrow	<b>Martin Schneider</b>
2	Sept 18, 2023	09.45 - 10.15	C : Advances in hydration chemistry	Advances in understanding cement hydration and thermodynamics of hydrated systems	<b>Karen Scrivener &amp; Thomas Matschei</b>
		10.15 - 10.45			
3	Sept 19, 2023	08.30 - 09.00	D : Enhancing clinker substitution / SCMs	Low clinker systems: towards a rational and efficient use of SCMs for optimal performance	<b>Bruno Huet &amp; Mohsen Ben Haha</b>
		09.00 - 09.30		Future and emerging supplementary cementitious materials	<b>Ruben Snellings</b>

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4	Sept 19, 2023	09.30 - 10.00	E : Advances in characterisation methods & modelling (incl. AI)	Advances in imaging, scattering, spectroscopy, and machine learning-aided approaches for multiscale characterization of cementitious systems	<b>Kimberly Kurtis &amp; Paulo Monteiro</b>
		10.00 - 10.30			
5	Sept 20, 2023	08.30 - 09.00	F : New low carbon cements and carbonatable binders	Mechanisms of CO <sub>2</sub> mineralization by cementitious materials and of their reactivity in new cement formulations	<b>Maciej Zajac &amp; Ippei Maruyama</b>
		09.00 - 09.30		Carbonate Binders: Historic Developments and Perspectives	<b>Caijun Shi</b>
				Recent progress on carbonatable binders	<b>Fazhou Wang</b>
6	Sept 20, 2023	09.30 - 10.00	G : New findings in admixture & rheology	Chemical admixtures: Basic principles and blended cements	<b>Robert Flatt</b>
		10.00 - 10.30		Rheophysics of fresh cement-based materials: recent advances and new open debates	<b>Nicolas Roussel</b>

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7	Sept 21, 2023	08.30 - 09.00	H : New technology for quality concrete (incl. AI)	Digital tools + new technologies in the concrete industry	Stacia Van Zetten
		09.00 - 09.30		The digitization work of smart cement plants in China	Sui Tongbo & Tong Rui
8	Sept 21, 2023	09.30 - 10.00	I : Durability & reactive transport	Steel corrosion in concrete – Achilles’ heel for sustainable concrete?	Ueli Angst
		10.00 - 10.30		Understanding chloride ingress in concrete	Klaartje de Weerd
9	Sept 22, 2023	08.30 - 09.00	J : Sustainability, circular economy, waste processing and recycling	Total recycling of concrete waste using accelerated carbonation	Chi Sun Poon
		09.00 - 09.30		Recycled concrete	Narong Wonggasem

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10	Sept 22, 2023	09.30 - 10.00	K : Standardisation of cement and concrete	Progress toward sustainability through performance-based standards and specifications	<b>Larry Sutter &amp; Doug Hooton</b>
		10.00 - 10.30		How standards support decarbonization and resource efficiency of cement and concrete in Europe	<b>Christoph Mueller</b>