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# *10 IMPORTANT INNOVATIONS* **IN CEMENT AND CONCRETE FOR CONSTRUCTION AND ENGINEERING APPLICATIONS**

presents by **Ir. Dr. Kamarul Anuar Mohamad Kamar**

**25 May 2021 | Tuesday | 11:00 AM - 01:00 PM**

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## Synopsis

Concrete is the most used material on Earth except for water. It is an important building material for the construction of buildings and infrastructures. Its universal use in a wide variety of Engineering applications is due to its general availability, structural characteristics, and cost-effectiveness. Nonetheless, cement and concrete are perceived as commodities and lack of emphasis on innovation is given by Engineers to harness full potential of cement and concrete to be applied in Engineering field.

The presenter will share 10 important innovations and breakthroughs in cement and concrete that will shape the future of construction and Engineering, from blended cement to concrete road technology to Ultra High-Performance concrete. The presentation will evaluate the value of these innovations to solve issues and challenges faced by Engineers.

With this knowledge, Engineers will have better perspective and understanding on cement and concrete. It allows Engineers to explore the frontier of innovation in solving Engineering issues such as sustainability and other pertinent issues utilising the advancement in building materials.

## About Speaker

***Ir. Dr. Kamarul Anuar Mohamad Kamar*** has over 15 years of experience in delivering strategic leadership towards driving business and performance transformation within the construction industry. Well versed in the areas of strategy, innovation, business development and corporate planning coupled with proven track record in launching new business incubation and commercialisation. He is currently the Head of Digital Transformation and Smart Factory function at Cement Industries of Malaysia Berhad (CIMA), leading the digital transformation and application of Industry 4.0 in cement manufacturing facilities. His past experiences including working with UEM Group Berhad, Lafarge Malaysia Berhad, Construction Research Institute of Malaysia and Ranhill Berhad. He involves in the development of various cement and concrete commercial offerings to the industry, such as, FastBuild (Industrialised Building System) and Roller Compacted Concrete (RCC).

He is a Professional Engineer with Practicing Certificate (PEPC) under the Board of Engineers Malaysia (BEM), Project Management Professional (PMP) under Project Management Institute (PMI) and Certified Construction Project Manager (CCPM) under Construction Industry Development Board (CIDB). He holds PhD in Construction Management (University of Salford Manchester), MSc in Technology Management (University of East London) and BEng (Civil) (University of Malaya).