



# ICE UAE ECNet (Early Careers Network)

## Coffee, Chat, Chartership Talks – The Role of Artificial Intelligence in Civil Engineering

Dr Ghanim Kashwani BA MBA PhD CEng FICE  
Board Member of the Society of Engineers UAE

Thursday, 16<sup>th</sup> March 2023

7:00 PM – 8:00 PM (GMT +0400, UAE Time)

[Click here to register](#)

E: [middle.east@ice.org.uk](mailto:middle.east@ice.org.uk)

Established in 1818 in London, the Institution of Civil Engineers (ICE) is the first professional engineering body in the world. Since obtaining its Royal Charter in 1828, it has expanded considerably and now has more than 95,000 members across the world.

### **Event Overview**

Artificial Intelligence (AI) has significant potential in transforming the way civil engineering projects are designed, planned, and executed. One of the main roles of AI in civil engineering is to automate routine and repetitive tasks, such as project scheduling, cost estimation, and materials selection, thereby increasing productivity and efficiency. AI can also enhance the accuracy of predictions and simulations, enabling engineers to make better-informed decisions during the design and construction process. In addition, AI can assist in the monitoring and maintenance of critical infrastructure by analyzing data collected from sensors and cameras, identifying potential problems before they occur and reducing the risk of failure. Overall, AI is poised to revolutionize the field of civil engineering by enabling engineers to design and build infrastructure that is safer, more sustainable, and cost-effective.

The event is a must-attend for anyone looking to have a better understanding of the AI role in civil engineering. MS Teams Link will be forwarded to all the registered attendees on Thursday, prior to the event. For any specific enquiries regarding ICE membership requirements and processes please contact our ICE Middle East Membership Development Officer, Aurelia Khisaf at [aurelia.khisaf@ice.org.uk](mailto:aurelia.khisaf@ice.org.uk)

### **Speaker's Biography**

Dr Ghanim Kashwani is a distinguished Research Professor and UAE National with an exceptional academic and professional record. He earned his PhD in Civil Engineering from Heriot-Watt University, Scotland-UK, and became the first Emirati to be designated as a Chartered Civil Engineer (CEng-FICE) by the Institution of Civil Engineers (ICE)-UK. Dr. Kashwani is also a Chartered Environmentalist (CEnv-MSSE) and a Chartered Manager (CMgr-MCMI). He holds Bachelor's and Master's Degrees in Civil Engineering from the American University of Sharjah (AUS), and an MBA from the University of Wales Trinity Saint David-UK.

Dr. Kashwani possesses significant industrial experience, having served as a Team Leader at Abu Dhabi National Oil Company (ADNOC) for several years. He is also a Chartered Scientist (CSci) and a member of GradIOSH-UK. He has worked as an academic at prestigious international universities such as New York University (NYU) and Rochester Institute of Technology (RIT). Dr. Kashwani is widely published in international journals on construction materials, safety engineering, and fire engineering.

In addition to his academic pursuits, Dr. Kashwani has also worked in academic administration, serving as a Senior Manager of applied research at local universities such as the Higher Colleges of Technology (HCT) in the Emirates. He has been inducted to the Wall of Fame of the American University of Sharjah (AUS) Alumni and was awarded an Honorary Professorship in Civil Engineering from the Heriot Watt University, Scotland-UK. Dr. Kashwani has also been appointed as the first president of the Council of Young Arab Researchers by Arab Youth Centre (AYC). He has received several awards, including the Most Engaged CEN Alumni Award from the College of Engineering (CEN) at the American University of Sharjah (AUS).

Dr. Kashwani's contributions extend beyond his academic and professional accomplishments. He has served as an elected board member in the Society of Engineers (SOE) in the UAE and as Education Lead in British Chamber of Commerce Abu Dhabi (BCC AD). His social contributions have been recognized and appreciated by many.



## **ICE UAE Annual Sponsors**

**ATKINS**

Member of the SNC-Lavalin Group

**AECOM**

**MACCAFERRI**

**RAMBOLL**



Institution of Civil Engineers is a Registered Charity in England & Wales (no 210252) and Scotland (SC038629)

