



A. JAMES CLARK SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL &
ENVIRONMENTAL ENGINEERING

UMD CEE Invited Seminar

Marc Barone

Executive Officer at Buro Happold

Infrastructure v Technology: Convergence or Divergence

Wednesday, October 29, 2025

12:00 pm. 1179 Martin Hall

Abstract: An interactive session to explore the different development cycles of infrastructure and technology to understand if there is convergence or divergence between the lifecycles and the impact on design standards. The session will explore the differences in productivity between engineering and other sectors with the enablement of technology. Other important considerations to be covered will be the risk / reward balance in the adoption of technical innovation in construction evaluating the project vs technology paradigm. The session will explore with a series of case studies evaluating the issues presented along with the project outcomes – good and bad. The session will conclude with an approach to accelerate the adoption of digital tools in engineering and construction opening up an interactive discussion.



Marc Barone brings over 30 years of infrastructure, consulting and software experience across a wide range of sectors. He is currently Chief Operating Officer at Buro Happold. Previously, Marc held several senior executive roles within AECOM, Balfour Beatty and Alfred McAlpine. In his current role at Buro Happold, Marc sits on the Executive & Global Leadership Teams and is responsible for the effective delivery of all the functional aspects of the business including finance, commercial, strategy and communications. In his previous role as Chief Growth Officer at AECOM, Marc had primary responsibility for driving all aspects of growth across the organisation through addressing clients' most challenging issues and implementing new services offerings in ESG, energy and digital. Marc brings first hand global operational experience through roles based in the UK, across Europe and the Middle East which he hopes to translate into helping create the curriculum of the future at UMD CEE. Marc trained as a civil structural engineer. He holds a BSc from University of Maryland, MSc from Lehigh University and MBA from London Business School.