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# Chartered Engineers Pacific

(aka Western Canada Group of Chartered Engineers)

<http://www.charteredengineerspacific.ca>

## NOTICE OF EVENING PRESENTATION Wednesday, 18<sup>th</sup> September 2019, 7 to 9 pm

**Venue:** Conference Rooms, Accent Inns, Burnaby  
3777 Henning Drive, Burnaby V5C 6N5 Tel: 604-473-5000

**Topic:**

## Space Systems: Trends, Opportunities and Challenges, an overview

Speaker:

**David McQuiggan**

IET CC-America, Committee Chair,  
IET Southern California Local Network, Committee Member,  
IET Satellite Systems & Application TPN, Exec. Team Member,



### **Abstract:**

Space systems are space vehicles and infrastructure working together to perform specific tasks in the space environment. We increasingly depend on space systems every day for communication, navigation, timing, business, science, land stewardship, search & rescue, and weather forecasting. Space systems can also improve our knowledge of the physical universe through celestial observation and planetary exploration and provide intelligence and surveillance that is advantageous for national defense. This



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presentation will provide an overview of space system engineering considerations and current industry trends, opportunities and challenges driven by technology maturation, proliferation, commercialization, globalization and both private and public sector investments in infrastructure and space assets



## Speaker's BIOGRAPHY

David McQuiggan joined The Aerospace Corporation in 2014 as Principal Director within the Civil Systems Group (CSG), where he is responsible for growth through the acquisition of new civil, commercial and international programs, intellectual property technology transfer and licensing, and incubating new lines of business and service lines. Key customers for CSG include the National Aeronautics and Space Administration (NASA), the National Oceanic and Atmospheric Administration (NOAA), and a wide number of other civil, commercial, and international organizations, including allied space agencies and ministries of defense.

David's career has progressed from design engineer in the UK to senior level management and executive leadership experience with both private and public companies in Europe, the U.S. and Asia. Prior to joining The Aerospace Corporation, he was interim CEO of a small U.S. defense contractor and prior to that, he led a VC-funded high-tech venture, through the development and commercialization of rugged fiber-optic distributed sensor systems for maritime, energy and communications markets. His early career was spent at Marconi, where he helped develop electro-optic sensors and infra-red imaging systems. His educational background includes a B.S. in Electrical and Electronic Engineering from the University of Bath and an MBA from Yale University. Volunteer activities include: Chair for the Americas region for the Institution of Engineering and Technology and other ex-officio roles.

### **No Registration Required:**

**50 seats are available, first-come-first seated.** This event is provided free of charge, includes a coffee/snacks table and welcomes all interested **members and guests.**

***Excellent opportunity to network among multi-discipline engineers and others!***