

Mechanical and Aerospace Engineering Seminar

Mr. Omer Majeed
Owner/Engineer Specific Range Solutions Ltd.

Will present a talk titled:

Aircraft Environmental Control Systems Classic Systems and Recent Developments

Abstract: An introduction to aircraft environmental control systems (ECS). A high level view of the systems will be presented, from selected regulatory requirements to the architecture and function of the individual systems and components. The focus will be on classic bleed (pneumatic) system architecture, but recent developments will also be examined. Some requirements and components will be addressed in more detail as examples.

Date: October 28, 2022 Time: 11:00 am

Location: CAMP 176

ZOOM Link for virtual attendance

<https://clarkson.zoom.us/j/99234191973?pwd=MkcvM1ZKYW85cWZrN0FOM3lTc3VxQT09>



Bio: Omer Majeed is an aerospace systems engineer with over twenty years of experience in the aviation industry. He holds Bachelor (1992) and Masters (1995) of Aerospace Engineering degrees from Carleton University.

Omer works at MDS Aero Support Corp. as a systems engineer and is currently working on two projects: Rolls-Royce Test Bed 80 in Derby, UK, the world's largest aircraft engine indoor test facility and Solar Test Cell 7 in DeSoto, Texas. He is also the owner of Specific Range Solutions Ltd., an aerospace engineering consulting company he founded in December 2008.

He has had an international career with Liebherr-Aerospace with postings in Canada, the U.S. and France. He obtained flight test experience while serving as an on-site air systems specialist at the Bombardier Flight Test Center in Wichita, Kansas. Omer then worked in Toulouse on the A380 program as a systems engineer and project manager. More recently, he has worked on Bombardier's Global 7500 and C Series (now Airbus A220) programs.

Omer is the Co-Chair of the Canadian Aeronautics and Space Institute (CASI) Ottawa Branch and is a member of the Society of Aircraft Performance and Operations Engineers (SAPOE). He is a licensed professional engineer with the PEO, as well as holds a Transport Canada Commercial Pilot Licence (CPL) and a Multi-Engine Rating.

In his spare time, he enjoys running, cycling, orienteering and cross-country skiing.