



## September 2016 Guest Lecture

**David Fisher**

*(Manager, Air Safety Investigations Office, Bombardier Commercial Aircraft)*

# Aircraft Accident Investigation – Proving a Theory



On November 6, 2014, a Jazz Aviation (Air Canada Express) Bombardier Q400 departed from Calgary bound for Grande Prairie AB. During the take-off roll, the inboard tire on the right-hand main landing gear failed. The aircraft diverted to Edmonton where, upon landing, the right-hand main landing gear collapsed.

This presentation will discuss the challenges, from the aircraft manufacturer's point of view, of managing a complex technical investigation. Working with the landing gear vendor, a full-scale test rig was constructed and developed to see what effect a severely imbalanced tire would have on the main landing gear. The investigation team had a theory as to why the landing gear collapsed, but proving it would take many months.

Our guest speaker is David Fisher, Manager of the Air Safety Investigations Office (ASIO) at Bombardier Commercial Aircraft in Toronto. David is a pilot, aircraft owner, and Aircraft Maintenance Engineer. His career at de Havilland/Bombardier began in 1985, when he worked in Production. He later moved to Customer Support – Structures Engineering – Aging Aircraft, where he had responsibility for all DHC-1 through DHC-7 aircraft.

In 1995 David transferred to the Air Safety Investigations Office, and qualified as a Certified Aircraft Accident Investigator at the Southern California Safety Institute and the University of Southern California. Since then he has investigated numerous in-service aircraft Accidents and Serious Incidents, involving all Bombardier Commercial Aircraft models (DHC-8, CRJ, C Series, and Amphibious Aircraft).

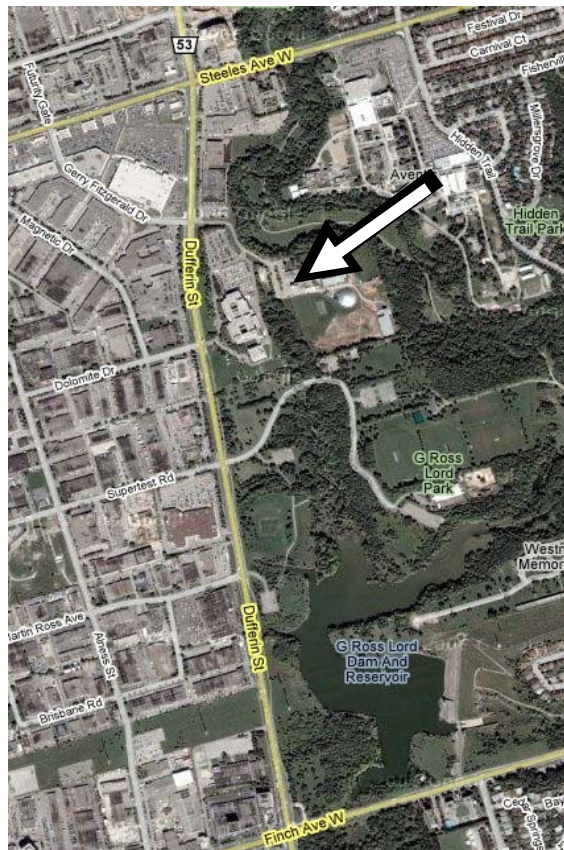
Come and hear how this fascinating investigation unfolded.

**Date:** Thursday, September 22, 2016

**Time:** 7:30 p.m. Refreshments & Networking  
8:00 p.m. Presentation

**Place:** University of Toronto Institute for Aerospace Studies (UTIAS)  
4925 Dufferin Street

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Next Meeting:  
October 2016 – Watch for details ...