

Raynald Bédard
President
True Course Simulations, LLC

GOV. MSG. NO. 697

Professional Preparation

Canadian Forces Command and Staff College, Canada
Royal Military College, Canada Electrical Engineering B.Eng
Naval Postgraduate School, USA Engineering Acoustics M.Sc.
Naval Postgraduate School, USA Engineering Acoustics M.Sc.

Appointments

2010 - 2016: President, True Course Simulations, LLC
2015 - 2016: Adjunct Professor, College of Aviation, Embry-Riddle Aeronautical University
2013 - 2014: Specialist Faculty, University of Hawai'i, Hilo
2007 - 2013: Associate Professor, College of Aviation, Embry-Riddle Aeronautical University
2001 - 2007: Assistant Professor, College of Aviation, Embry-Riddle Aeronautical University
2000 - 2001: Adjunct Professor, Computer Science, Embry-Riddle Aeronautical University
1995 - 2000: Self-employed, marketing and sales
1981 - 1995: Air Navigator, Canadian Armed Forces on CP-140, Long Range Patrol Aircraft

Interests

- Development of low-cost flight simulation and its inclusion in the learning process.
- Built an Airbus A320 procedures trainer and an Air Traffic Management laboratory that are used in conjunction with the Embry-Riddle Virtual Airspace (ERVA) where pilots and air traffic controllers interact in real time over the internet.
- Designed numerous training scenarios using Microsoft Flight Simulator and Lockheed-Martin's Prepar3D (P3D).
- Invented a scoring system to evaluate the performance of pilots using P3D in their training.
- Developed a highly interactive web-based training program to teach the operations of the Airbus A320.
- Developed an online version of the Instruments Flight Rules ground school.
- Created a Minor course of studies in Unmanned Aircraft Systems for the Prescott campus of ERAU.

Teaching Awards

- 2003, 2005 and 2006: College of Aviation, Faculty of the Year Award
- 2004: Prescott Campus, Service Excellence Award
- 2005: Winner of the "Award for Innovative Excellence in Teaching, Learning and Technology" and ERAU nominee for the "Ernest L. Boyer International Award for Excellence in Teaching, Learning and Technology"
- 2008: Faculty Distinguished Service Award, ERAU Prescott campus
- 2008: College of Aviation Researcher of the Year Award

True Course Simulations, LLC

- Consulting in aerospace training and education
- Online training material development
- Flight training missions development using Lockheed-Martin Prepar3D

Community support

- Founding Director of Boys to Men of North Central Arizona, a volunteer organization mentoring and supporting boys in their transition to manhood.