

# CURRICULUM VITAE

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- Education** PhD, Physics, York University, 1978  
Hon. BSc, Physics & Applied Maths, 1st class w/ Distinction, York University, 1976
- Work Experience**
- 1995-present University of Calgary, Department of Physics and Astronomy (Canada)  
*Senior NSERC Industrial Research Chair in Experimental Space Science (2003/07-2014/06)*  
*Professor (1999/07-present); Adjunct Associate Professor (1995/09-1999/06)*
- 1979-1999 National Research Council, Herzberg Institute of Astrophysics (Canada)  
*Senior Research Officer (1990-1999); Associate Research Officer (1984-1989); Assistant Research Officer (1981-1983); Research Associate (1979-1980)*
- 1994 Massachusetts Institute of Technology (USA)  
*Visiting Scientist (1994/01-1994/06)*
- Current Academic Activities** Scientific satellite operation: Lead CASSIOPE small satellite and Enhanced Polar Outflow Probe (e-POP) space weather science payload operation as Principal Investigator (see below)  
Space research: Pursue satellite-observation studies of ionosphere-magnetosphere composition and dynamics; supervise research associates/assistants, postdoctoral fellows, and grad students  
Teaching: Undergraduate physics and graduate physics/space physics courses
- Research Expertise** Advanced space science instrumentation; small satellite, micro-satellite, and sounding rocket missions; ionosphere-magnetosphere composition and dynamics
- Publications** Over 110 in peer-reviewed international scientific journals, including 7 papers with 100-200 citations each to date; list of publications available upon request
- Awards** International Academy of Aeronautics (IAA): elected Academician (Academy Member) 2013  
National Aeronautics and Space Administration (NASA) Group Achievement Award 1983  
National Research Council Canada (NRC) Postdoctoral Fellowship 1978-1980 (declined)  
National Research Council Canada (NRC) Postgraduate Scholarship, 1976-1978

## Other Professional Contributions and Experience (Last 10 Years)

- Associate Editor (2011-2015), *Geophysical Research Letters*
- Volume Editor (2005-2010) and Editor (2011-2012), *Advances in Geosciences*
- Executive Committee Member (2011-2015) and Canadian National Representative (2005-2013), *International Association of Geomagnetism and Aeronomy (IAGA)*
- Commission C Vice Chair (2010-2014), *International Committee of Space Research (COSPAR)*
- National Committee Member (2005-2013), *International Union of Geophysics and Geology (IUGG)*
- Member (2009-2012), *Natural Science and Engineering Research Council (NSERC) Collaborative Research and Training Experience (CREATE) Program Grant Selection Committee*
- Member (2005-2007), *Canadian Space Agency (CSA) Space and Atmospheric Environment Advisory Committee*
- Member (2005-2014), *National Aeronautics and Space Administration (NASA) peer review panels for Geospace, Low-Cost Access to Space, Heliospheric Physics Theory, and Living With a Star Programs*
- Member (2004-2007), *Canadian Association of Physicists (CAP) Council*