

2024

CV: Roland B. Stull

Dual citizen: USA & Canada

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Degrees Ph.D., Atmospheric Sciences, 1975, University of Washington, Seattle. (under Businger)
B.S. Ch. E., Chemical Engineering, 1971, University of Washington, Seattle.

Certifications: Certified Consulting Meteorologist (CCM) by American Met. Soc. in USA. 1991 - now
Certified Flight Instructor (CFII) in USA: single & multi-engine land, instrument, airplane. 1978 - 2021

Positions: Full Professor, Atmospheric Sci. Program, Univ. of British Columbia. 1995-now
Asst., Assoc., Full Professor, Atmospheric & Ocean. Sci. Dept., Univ. of Wisconsin-Madison. 1979-1995
Numerical Prediction Meteorologist, Captain in USAF, Global Weather Central, Nebraska. 1975-1979
Visiting Scientist: • IBM in Bergen Norway 1992; • German Aerospace Res. Establish. (DLR) in Munich 1988;
• Royal Netherlands Met. Inst. (KNMI) in DeBilt 1986; • Sci. Computing Fellow NCAR Boulder CO in 1973.

Field Experiences: Canada: 2010 Winter Olympics at Whistler 2007 – 2010. • Rocketsonde Experiment at
Harrison Lake, BC. • FIRESTORM forest-fire field program, south-central BC, 2001.
USA: Boundary Layer Experiments (BLX83 and BLX96) in KS & OK (PI). • Atmos. Radiation Measure.
(ARM) Intensive Op (IOP), KS & OK in 1995. • STORM-FEST in KS 1992. • CCOPE in Montana, 1981.
Germany: Longitudinal land-surface Traverse Experiment (LOTREX), Braunschweig, 1988.
France: Hydrologic Atmospheric Pilot Experiment (HAPEX), Toulouse, 1986.
Africa: GARP Atlantic Tropical Experiment (GATE), Dakar, Senegal. 1974.

Service: Director, Weather Forecast Research team, UBC. 1997-now. See <https://wfrrt.eoas.ubc.ca/>
Chair, Atmos. Sci. Program, Univ. of British Columbia, Canada, 1996-2000, 2007-08, 2010-2015, 2022-now
Associate Chairman (Grad.Chair), Dept. of Atmos. & Oceanic Sci., Univ. of Wisconsin. 1989-1995
Associate Editor: Journal of Applied Meteorology, and AMS Glossary of Meteorology.
Advisory Panel Member: NSF / NCAR Observing Facility Advisory Panel (OFAP) 1996-1999
Program Chairman for 1997 Am. Meteor. Soc. 12th Symposium on Boundary Layers & Turbulence

Courses Taught: 24 different courses in meteorology and climatology at all undergrad and grad levels.
Winner of (Canada-wide) Killam Teaching Prize at UBC, May 2015.

Graduate Students Supervised: While at U. Wisc: Major prof for 22 MSc and PhD students, Committee
member for 51. Formal external examiner for 3 PhD students from: Canada, Australia, India.
While at UBC: Major prof for over 22 PhD students, 21 MSc Students. Supervised 9 postdocs.
Committee member for 27 students. External or university examiner for 20 students.

Memberships: • Royal Meteorological Society, • American Met. Society, • Canadian Meteor. & Ocean. Society.

Honors: Fellow in both the Canadian Meteorological & Ocean. Society, and American Meteorological Society.

Areas of Research Interest: Numerical weather prediction (including clean-energy production, weather-related
disasters, transportation weather, ensemble & probabilistic forecasting), mountain meteorology, mesoscale
meteorology, atmospheric boundary layers, turbulence, dispersion, air quality, and aviation meteorology.

Research Grants & Contracts: over 140 during the 29 years at UBC, at \$850 k/year in past 5 years.

Public Seminars and Colloquia Given: over 300 at locations including: England: Cambridge Univ.
Germany: Univ. Bonn, Univ. Hannover, Univ. Karlsruhe, München Univ., Univ. Göttingen.
Switzerland: Univ. of Bern, Swiss Federal Inst. of Tech-Zurich.
Netherlands: Wageningen Ag. Univ., Amsterdam Acad. of Arts and Sci.
Norway: IBM Bergen Scientific Centre, Norwegian Meteorological Inst.
Portugal: Univ. of Aveiro. Spain: Univ. of Madrid, Polytech Inst. of Madrid.
At internat. gov't agencies: RISØ-Denmark, ECMWF-England, British Met. Office-England, NATO-Germany.

Publications: Over 124 refereed journal publications, 2 single-author books, & 13 chapters in other books.
Free 940-page single-author textbook online: https://www.eoas.ubc.ca/books/Practical_Meteorology/
h-index = 48. Over 1,000 citations / year.