Address: WORK: Atmospheric Science Program, Earth & Ocean Science Dept.,
Univ. of British Columbia, 6339 Stores Rd, Vancouver, BC V6T 1Z4, 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) in USA since 1991.
Certified Flight Instructor (CFII) in USA: single & multiengine land, instrument, airplane. 1978-Present
Licensed Commercial Pilot in USA: single & multiengine land, instrument, airplane. 1977 - Present
Licensed Private Pilot in Canada. 2000 - Present

Positions: Professor, Atmos. Sci. Program, Earth & Ocean Sci. Dept., Univ.of Brit. Columbia. 2006-Pr.
Prof., Atmos. Sci. Prog., jointly appt. 2/3 in Earth & Ocean Sci.,& 1/3 in Geography, UBC. 1999-2006.
Professor, Atmos.Sci.Prog., Geography Dept., Univ. of British Columbia, Canada. 1995-1999
Professor, Dept. of Atmospheric & Oceanic Sciences, Univ. of Wisconsin-Madison. 1989-1995
Visiting Scientist, IBM Environmental Sci. & Solutions Centre, Bergen, Norway, Summer 1992
Visiting Scientist, German Aerospace Research Establishment (DLR), Munich. 1988
Associate Professor, Dept. of Meteorology, Univ. of Wisconsin-Madison. 1985-1989.
Visiting Scientist, Royal Netherlands Meteorological Institute (KNMI), DeBilt. 1986
Assistant Professor, Dept. of Meteorology, Univ. of Wisconsin-Madison 1979-1985.
Adjunct Assistant Professor, Atmospheric Sciences Program, Creighton University, Omaha. 1977-79.
Num. Predict. Meteorologist, Global Weather Central, Offutt AFB, Nebraska. Captain USAF. 1975-79.
Summer Fellow in Scientific Computing, NCAR, Boulder, CO. 1973.

Field Experiences: Rocketsonde Experimental Launches in BC and TX, 2002, 2003.
FIRESTORM forest fire field program, British Columbia, Canada, 2001
Pacific 2001 air pollution field program, Georgia Basin, BC, Canada, 2001.
Boundary Layer Experiment 1996 (BLX96), Kansas & Oklahoma (PI), 1996.
Atmos. Radiation Measurement (ARM) Intensive Op Period (IOP), Kansas & OK. 1995
Fronts Experiment Systems Test (STORM-FEST), Seneca, Kansas, 1992.
Pine Bluff Field Experiment, Pine Bluff, Wisconsin, 1989.
Longitudinal land-surface Traverse Experiment (LOTREX), Braunschweig, Germany, 1988.
Hydrologic Atmospheric Pilot Experiment (HAPEX), Toulouse, France, 1986.
Boundary Layer Experiment - 1983 (BLX83), Oklahoma (Co-PI).
Cooperative Convective Precipitation Experiment (CCOPE), Montana, 1981.
GARP Atlantic Tropical Experiment (GATE), Dakar, Africa, 1974.
Puerto Rican boundary layer experiment, 1972.

Service: Director, Geophysical Disaster Computational Fluid Dynamics Centre, UBC. 2000-present
Chair, Atmos. Sci. Programme, Univ. of British Columbia, Canada, 1996-2000, and 2007-2008.
Director, Western Canada Regional Modeling Consortium. Funds mesoscale forecasting. 1997-present.
Associate Chairman (Grad.Chair), Dept. of Atmos. & Oceanic Sci., Univ. of Wisconsin. 1989-1995
Associate Editor, Journal of Applied Meteorology. 1989 - 2001
Associate Editor, AMS Glossary of Meteorology 1995-2001.
Associate Editor, Romanian J. of Meteorology. 1996-2000, and 2006 - Present.
Committee Member: Can. Meteor.& Ocean. Soc. (CMOS) Educ. Comm. 1996-2001 (chair 98-01.)
AMS Board of Meteor. & Ocean. Edu. 1991-1998.
AMS Committee on Boundary Layers and Turb. 1990-1995. (chair in 1995).
IUGG/IAMAP Internat'l Commis. on Dyn. Meteor. (ICDM) Bound. Layer Dynamics. 1990-present.

UBC Library Sci./Engr. Advisory Panel, 1996-2000.
Advisory Panel Member: NSF/NCAR Observing Facility Advisory Panel (OFAP) 1996-1999.
NSF HIAPER aircraft management program review panel 1998
US Weather Research Program Scientific Advisory Panel 1995-1997
Univ. Wisc. Coop. Inst. for Meteor. Satellite Studies (CIMSS). 1989-1993.
UCAR Cooperative Prog. for Operational Meteor., Education & Training (COMET). 1991-1994.
Lake Michigan Air Directors Consortium. 1990-1993.
Program Chairman for 1997 AMS 12th Symposium on Boundary Layers and Turbulence, in Vancouver. 318 Attendees from 18 countries. 5 full days.
Program Co-Chair for annual Western Canada Weather Workshop. 50 attendees/yr. 1997- Pr..

Consultancies: Battelle/Army 97, Environ. Canada 1996, SAIC Sep 92-Mar 94, Battelle Apr 90-Mar 92, ENSR Sep 89-May 90.

Courses Taught: (at all undergrad and grad levels) The catastrophic earth -- natural disasters, Meteorology of storms, Computer lab in earth & atmospheric sciences, Atmospheric boundary layers & turbulence, Micrometeorology, Physical geography-air and water, Remote sensing, Atmospheric diffusion & air pollution, Cloud dynamics, Weather & climate (freshman meteorology), Weather & climate for scientists and engineers, Statistics for meteorologists, FORTRAN for meteorologists, Weather for sport flying, Atmos. scientist: professional perspectives, Turbulence & chaos, Current & classical problems in meteorology, Ensemble forecasting seminar. Also organized weekly electronic weather-map discussions.

Teaching Evaluations: Above departmental averages at both U. Wisc. and UBC.

Graduate Students Supervised: While at U. Wisc: Major prof for 22 MS and PhD students, Committee member for 51. Formal external examiner for 3 Ph.D. students from: Canada, Australia, India
While at UBC: Major prof. for 14 PhD students, 9 MS Students. Supervised 2 postdocs. Committee member for 20 students. External examiner for 9 students.

Memberships: Royal Meteorological Society - fellow;
American Meteorological Society - member & Certified Consulting Meteorologist (CCM),
Canadian Meteorological and Oceanographic Society - fellow.

Honors: SOCIETIES: Sigma Xi, Phi Kappa Phi, Phi Lambda Upsilon. SCHOLARSHIPS: NSF Traineeship, AWARDS: Tau Beta Pi Prize, Delaware Society of Professional Engineers Award, American Institute of Chemical Engineers Scholarship Award, USAF Commendation Medal. Fellow in Canadian Meteorological & Oceanographic Society.

Areas of Research Interest: Mesoscale numerical weather prediction (including ensemble forecasting, geophysical disasters, Kalman filtering, data assimilation), socio-economic impact of weather, atmospheric boundary layers, turbulence, dispersion and air quality, aviation meteorology.

Research Grants & Contracts: 70 during the 12 years at UBC. 23 during the 16 years at U. Wisc. Plus numerous internal university grants.

Public Seminars and Colloquia: over 300 at locations including:

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
Portugal: Univ. of Aveiro
Spain: Univ. of Madrid, Polytech Inst of Madrid
England: Cambridge Univ.
At international government agencies: RISØ-Denmark, DLR-Germany, KNMI-Netherlands, ECMWF-England, British Met. Office-England, CNRM-France, NATO-Germany
European Geophysical Society (EGS) Conferences in Spain, Germany, Denmark, France
IAMAP/IPSO/IUGG Conferences in Hawaii and Vienna
OHOLO Conference in Israel
Canada: York U., U. British Columbia, U. Saskatchewan, U. Alberta, AES-Toronto, U. Northern BC, U. Victoria, Canadian Avalanche Assoc., Canadian Meteor. & Ocean. Society-Halifax.
USA: Univ. Wisconsin-Madison, Univ. of Wisconsin-Milwaukee, Oregon State Univ., Univ. of Washington, Stanford Univ., Texas Tech Univ., Penn State Univ., Naval Postgrad. School, Air Force Geophysics Lab, White Sands Army Atmospheric Research Lab, Battelle PNL, Argonne National Lab, Brookhaven National Lab, National Meteorological Center, National Center for Atmospheric Research, Univ. of Arizona, Wash.State U.
Numerous TV & radio interviews, including CNN. Numerous public lectures to civic & school groups.

Software Published : Meteorological Education and Research Algorithms (MERA) - Intellimation Corp.

Web Sites Developed:

UBC Weather Forecast Team (this is my research group, where we serve over 5000 new weather map images every day as output from our daily real-time multi-model mesoscale weather forecasts, including ensemble forecasts): http://weather.eos.ubc.ca/wxfcst/
Course web page for first year natural disaster course: http://www.eos.ubc.ca/courses/eosc114/
Course web page for second-year meteorology course: http://www.eos.ubc.ca/courses/atsc201/
Course web page for second-year computer lab: http://www.eos.ubc.ca/courses/atsc212/

Infrastructure Acquired via Grants for my Research Team to do Mesoscale Ensemble Forecasts:

Many workstations and computers, including a 256-processor linux cluster.

Publications

Total refereed journal publications: 78 (of which 16 are in last 3 years)
Single-author textbooks: 2

Stull, R.B.,1988: *An Introduction to Boundary Layer Meteorology*. Kluwer Acad. Publishing. 666pp. (currently in 10th printing)
Stull, R.B., 2000: *Meteorology for Scientists & Engineers*, 2 Ed. Brooks/Cole Thomson Learning 502pp. (currently in 7th printing). Currently writing a 3rd edition.

Chapters in books: 10 (including Wallace & Hobbs 2006: *Atmospheric Science, An Intro. Survey, 2Ed*)