

Curriculum Vitae

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Education

- 1998 **Ph.D.** Department of Environmental Sciences, University of Quebec in Montreal, Montreal, Canada
Title :*Study of the microphysical processes in the atmosphere using numerical model* (in French)
Supervisor: Prof. Isztar Zawadzki
- 1973 **M.Sc.** Department of Physics, University of Warsaw, Warsaw, Poland
Title: *Lifetime of the particles sigma plus and sigma minus* (in Polish)

Employment

- 2002-present Research Associate, Dept. of Atmospheric and Oceanic Sciences, McGill University, Canada
- 1999-2002 Research Assistant, Department of Earth and Atmospheric Sciences, University of Quebec in Montreal, Montreal, Canada
- 1998-1999 Post-doctoral Research Assistant, Department of Oceanic and Atmospheric Sciences, McGill University, Montreal, Canada

Selected publications

Szyrmer, W., and I. Zawadzki, 2013: Snow studies. Part IV: Ensemble retrieval of snow microphysics from dual wavelength vertically pointing radars., *J. Atmos. Sci.*, **71**, 1171-1186.

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Laroche, S., W. Szyrmer and I. Zawadzki. 2005: A microphysical bulk formulation based on scaling normalization of the particle size distribution. Part II: Data assimilation into physical processes. *J. Atmos Sci.*, **62**, 4222–4237

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Barker, H., A. Marshak, W. Szyrmer, A. Trishchenko, J.-P. Blanchet, and Z. Li, 2001: Inference of cloud optical depth from aircraft-based solar radiometric measurements. *J. Atmos. Sci.*, **59**: 2093–2111.

Zawadzki, I., F. Fabry, and W. Szyrmer, 2001: Observations of supercooled water and secondary ice generation by a vertically pointing X-band Doppler radar. *Atmos. Research*, **59-60**: 343-359.

Zawadzki, I., W. Szyrmer, and S. Laroche, 2000: Diagnostic of supercooled clouds from single Doppler radar observations in regions of radar detectable snow, *J. Appl. Meteor.*, **39**: 1041-1058.

Szyrmer, W., and I. Zawadzki, 1999: Modeling of the melting layer. Part I: Dynamics and microphysics, *J. Atmos. Sci.*, **56**: 3573-3592.

Fabry, F., and W. Szyrmer, 1999: Modeling of the melting layer. Part II: Electromagnetics, *J. Atmos. Sci.*, **56**: 3593-3600.

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