

EDWIN CAMPOS
Atmospheric Science and Climate Research Section
Environmental Science Division, Argonne National Laboratory
9700 South Cass Avenue, Bldg.240, Lemont, IL 60439

Education:

- Ph.D. McGill University, Atmospheric Science, 2007
M.Sc. McGill University, Atmospheric Science, 1998
Lic. Universidad de Costa Rica, Meteorology, 1996
B.Sc. Universidad de Costa Rica, Meteorology, 1994

Professional Experience:

2010–Present	Argonne National Laboratory, Argonne, Illinois, USA Research Meteorologist
2007–2010	Environment Canada, Toronto, Ontario, Canada Visiting Research Fellow
2007	McGill University, Montreal, Quebec, Canada Postdoctoral Fellow
1999–2002	Instituto Meteorologico Nacional, San Jose, Costa Rica Lead Meteorologist
1999–2002	Universidad de Costa Rica, San Jose, Costa Rica Lecturer & Researcher (part-time)
Aug.–Sept. 1999	NOAA National Hurricane Center, Miami, Florida, USA Visiting Meteorologist
Sept.–Oct. 1998	NAIC Arecibo Observatory, Cornell University, Arecibo, Puerto Rico, USA Visiting Researcher
Aug.–Dec. 1995	Canadian Meteorological Centre, Dorval, Quebec, Canada Visiting Meteorologist
1994–1996	Juan Santamaria International Airport, Meteorology Office, Alajuela, Costa Rica Forecaster Meteorologist
Mar.–Dec. 1992	Universidad de Costa Rica, San Jose, Costa Rica Meteorology Technician

Research Interests:

Cloud microphysics, radar meteorology, precipitation physics, tropospheric profiling, microwave radiometry, weather forecast and nowcasting.

Professional Activities:

During the past 5 years, refereed 13 manuscripts in the field of atmospheric remote sensing, as requested by peer-reviewed journal editors (1 for the Pure and Applied Geophysics journal, 6 for the Journal of Atmospheric and Oceanic Technology, 1 for the Journal of Applied Meteorology and Climatology, 2 for the Annales Geophysicae journal, and 3 for the Radio Science journal).

Awards include a 1999-2001 Berkner Fellowship by the American Geophysical Union (given to promising young scientist from developing countries), and a 2010 Citation of Excellence award by Environment Canada (Team, Partnering and Collaboration category, for his

professional work during the Vancouver 2010 Olympic and Paralympic Winter Games).

Invited presentations include the following:

- Multi-scale Remote Sensing of the Atmosphere. Department of Atmospheric Sciences, University of Illinois at Urbana-Champaign. 2011 July 13.
- Vertical Velocity from Clear-air Radar Targets. Breakout session of the Vertical Velocity Focus Group, DOE Atmospheric-System-Research Science-Team-Meeting, San Antonio TX USA, 2011 March 30.
- Towards the Combined Analyses of Remote-Sensing Observations. 4th SNOW-V10 Workshop, Huntsville, ON, Canada, 2011 January 12.
- Cloud Processes over the 2010 Winter Olympic Venues as Analyzed from Combined Remote-Sensing Observations. Atmospheric Science Division of Brookhaven National Laboratory, Upton, NY, 2010 September 30.
- Use of wind profilers and radiometers in complex terrain. 2007 Mountain Weather Course, Boulder, CO, USA, 2007 December 7. University Corporation for Atmospheric Research (UCAR) and the Cooperative Program for Operational Meteorology Education and Training (COMET).
- Trained the official Forecasters Team of the Vancouver 2010 Olympic and Paralympic Winter Games on remote sensing applications for mountain meteorology, winter weather, weather analysis and nowcasting. Provided more than 6 hours of lectures and 12 days of practices to a selected international team of 35 forecasters, conducted in four sessions during three years.

Served as invited session chair for various international conferences, including the session on Model Validation Using Radar Measurements during the 35th Conference on Radar Meteorology (Sept. 2011, Pittsburgh PA USA, more than 340 abstract submissions), the session on Polarimetric Radar during the 34th Conference on Radar Meteorology (Oct. 2009, Williamsburg MA USA, about 325 participants from around the world), and the session on Meteorology during the 12th International Workshop on Technical and Scientific Aspects of Mesosphere-Stratosphere-Troposphere Radar (May 2009, London ON Canada, more than 110 participants from around the world). He also served in the Local Organizing Committee of the World Meteorological Organization (WMO) Symposium on Nowcasting 2009, at Whistler (Canada, Approximately 140 participants attended from around the world).

Member of the American Meteorological Society, the American Geophysical Union, the American Institute of Physics, and the Canadian Meteorological and Oceanographic Society. He is also a scientific member of the international project "Science & Nowcasting of Olympic Weather for Vancouver 2010" (SNOW-V10), a Research Demonstration Project under the World Meteorological Organization, World Weather Research Programme. As well, he takes part in the Vertical Velocity Focus Group of the U.S. Department of Energy's Atmospheric Systems Research program, which is a multi-institutional working group engaged to improve cloud-scale vertical velocity retrievals from ground-based remote sensors.

Publications:

Author of a book, a book chapter, three university theses, and a book review. Author and co-author of ten peer-reviewed journal papers, 21 technical articles, various research proposals, and numerous conference presentations. To date, these publications correspond to more than 101 citations in the scientific literature.