



NOMINATION FOR SCIENTIFIC COMMITTEES OR EQUIVALENT

Please complete this form and send it to: secretariat@icsu.org

DETAILS OF CANDIDATE NOMINATED

Organisation: Atmospheric and Climate Sciences Directorate, Meteorological Service of Canada

Title: Dr. **First Name:** Michel **Last Name:** B eland

Year of birth:

Gender: Male

Address: 2121 TransCanada Highway, Dorval, Quebec, Canada, H9P 1J3

Country: Canada

Nationality: Canadian

Email Address: michel.beland@ec.gc.ca

Phone : 514-421-4771 or 416-739-4239 (secretary)

Fax:

Submitted by :

Title: Ms. **First Name:** Patricia **Last Name:** Mortimer

PROFILE OF NOMINEE

Name of Nominee: **Dr. Michel Béland**

Academic Background: (maximum of 10 lines)

Dr. Michel Béland obtained his B.A. in 1968 from the Collège des Jésuites de Québec, and his B.Sc. (Honours in Physics) in 1971 at l'Université Laval, in Quebec City. He went on to complete an M.Sc. and Ph.D. in Meteorology at McGill University in 1973 and 1977 respectively, in atmospheric dynamics and numerical weather prediction. He then completed a one year (77-78) Post-Doctoral in Paris, under the supervision of Dr. Robert Sadourny at the LMD (Laboratoire de Météorologie Dynamique de l'Ecole Normale Supérieure de Physique). He also spent five years during his M.Sc. and Ph.D. setting up and teaching in the first French speaking meteorological certificate program in Canada, at l'UQAM, on loan from the Government, under the condition that he completed his MSc and PhD at the same time.

Positions Held: (maximum of 10 lines)

Research Scientist by the Atmospheric Environment Service (AES) of Canada, at the Canadian Meteorological Centre
invited scientist again at the LMD, Ecole Normale supérieure de Physique, in Paris (1983) where he worked on critical layers and turbulence modelling, as well as in Downsview, Ont. and at McGill University
Division Chief (REM-2), Numerical Prediction Research Division (RPN), Canadian Meteorological Centre
Director (EX-2), Meteorological Research Branch, Canadian Meteorological Centre
Director of the Centre for Research in Computation and its Application (CERCA)
Director General (EX-3), Atmospheric and Climate Science Directorate, Canadian Meteorological Centre

Expertise: (maximum of 10 lines)

Atmospheric dynamics
Atmospheric turbulence, numerical weather prediction and numerical modelling
Critical layers and turbulence modelling
Modern meteorology, from Doppler radars, research aircrafts, and cloud physics to satellite data assimilation techniques and global numerical weather prediction models
Applied mathematics and computations in the field of CFD and computational chemistry, with applications to engineering and environmental problems, as well as novel drug design, and the use of nanotube technology in computing
Air quality, climate, meteorological sciences, atmospheric impact, science integration and assessment

Why is this individual particularly suited to this committee or panel ? (maximum of 5 lines)

Dr. Béland's distinguished career has resulted in numerous posting to high level positions in Environment Canada. He has been in charge of major research programs covering most aspects of modern meteorology. He contributed significantly to positioning the Canadian Meteorological Centre as one of the five best National Centres in the world and he is responsible for the management and leadership of various Canadian meteorological R&D programs.