# PIMS SUMMER SCHOOL

## Stochastic and Probilistic Methods for Atmosphere, Ocean and Climate Dynamics

**LECTURERS**

Norm McFarlane (CCCma)
Richad Kleeman (NYU)
Saroja Polavarapu (MSC)Adam Monahan (UVic)
Boualem Khouider (UVic)
Alexandros Sopasakis (UNCC)
Xiaoming Wang (FSU)

**Topics**

- Numerical methods for transport and conservation laws
- Monte Carlo simulations and numerical methods for SDE's
- Statistical physics approaches to geophysical fluid dynamics
- Subgrid scale parametrizations
- Information theory and predictability
- Data assimilation
- Stochastic and probabilistic modelling

## July 14-18, 2008
## University of Victoria, Victoria Canada

This PIMS summer school is intended for graduate students, post-docs, and young researchers in applied math and atmosphere/ocean sciences who are interested in the application of stochastic and probabilistic modelling and analysis techniques for atmosphere and ocean dynamics. Financial aid and accommodation will be provided for eligible students and post-docs. The deadline for application is May 15, 2008. This summer school is followed by a workshop on the same topic, in Victoria July 21-25, 2008.

For more information and for the on-line application and registration forms, please visit the PIMS website:

*http://pims.math.ca/science/2008/08sstmcs/index.html*

Canadian Centre for Climate Modelling and Analysis
Centre canadien de la modélisation et de l'analyse climatique

Organizers: B. Khouider (UVic), A. Monahan (UVic), N. McFarlane (CCCma), J. Scinocca (CCCma), K. von Salzen (CCCma)

University of Victoria

PIMS