

First Announcement

CAWCR Workshop on Ensemble Prediction and Data Assimilation

16-18 February, 2009 Melbourne, Australia

The Centre for Australian Weather and Climate Research (CAWCR) will hold a workshop on Ensemble Prediction and Data Assimilation in the Southern Hemisphere summer, 16-18 February, 2009 in Melbourne, Australia.

Dealing with the inherent uncertainty of environmental modelling is one of the major issues facing meteorology, oceanography and hydrology. The move from deterministic to probabilistic prediction is a rapidly growing area of research and of considerable social and economic importance. The use of ensemble (or Monte Carlo) techniques for such large and complex nonlinear systems provides considerable scientific and technological challenges. In recognition of the importance of this area, the World Meteorological Organization has set up a ten year research program, THORPEX.

The aim of the Workshop is to cover recent developments in probabilistic numerical weather prediction extending from fundamental theoretical examinations of the underlying physical and numerical challenges, to state of the art systems and methods of validation. It is expected that the workshop will provide a forum for a wide ranging discussion with relevance to atmospheric and oceanographic flows, hydrological processes and general mathematical theory.

Oral contributions to the workshop will be a combination of invited and contributed presentations, made at the discretion of the Scientific Committee. Early career researchers in particular are encouraged to submit abstracts for oral presentation.

Funding is available from the British Council to support a limited number UK postdoctoral researchers or researchers who are within 5 years of completion of their doctoral studies.

Support for researchers from Australian universities is available from ARCNESS.

Major papers from this workshop will be published in a special edition of the Australian Meteorological Magazine.

The Symposium will be held at the Bureau of Meteorology, Docklands, Melbourne. Dr Peter Steinle chairs the Local Organizing Committee.

This is an initial announcement only, **to receive further announcements, E-mail: p.steinle@bom.gov.au.**

Confirmed invited speakers (to be expanded)

Neill Bowler, UKMO

Craig Bishop, NRL

Roberto Buizza, ECMWF

Peter Oke, CAWCR/CSIRO Marine and Atmospheric Research

Jorgen Frederiksen, CAWCR/CSIRO Marine and Atmospheric Research

Beth Ebert, CAWCR /Bureau of Meteorology

Jeff Kepert, CAWCR/Bureau of Meteorology

Terence O'Kane, CAWCR/Bureau of Meteorology

Peter Steinle, CAWCR/Bureau of Meteorology

Local Organizing Committee (CAWCR)

Peter Steinle (Chair), Kamal Puri, Terence O'Kane, Michael Naughton

This workshop is jointly funded by the British Council and the Australian Bureau of Meteorology.