

Program

The workshop is organised around 5 sessions, spread over three days. Each session is divided into three segments: (i) two keynote presentations; (ii) viewing the posters; and (iii) group discussion responding to issues raised in the keynote addresses and poster presentations. The three segments will be approximately of equal time.

Sessions and keynotes

1. Hydrologic remote sensing This session will discuss advances in hydrologic remote sensing for model initialisation, assimilation, parameterisation and calibration, and for improved understanding of land-atmosphere interaction.

Keynote Speaker: M. McCabe (LANL) & TBA

Chairs: Yann Kerr and Eni Njoku

2. Short-term prediction This session will discuss advances in weather prediction and flood forecasting with a focus on assimilation and evaluation of short-term hydrologic forecast and prediction skill, and downscaling for hydrologic prediction.

Keynote Speaker: E. Anagnostou (UC) & G. Balsamo (ECMWF)

Chairs: Matthias Drusch and Peter Steinle

3. Seasonal prediction This session will discuss advances in seasonal weather prediction, drought forecasting and drought recovery from land data assimilation, and advances in the interface between seasonal climate forecasting and hydrologic forecasting.

Keynote Speaker: D. Lettenmaier (UW) & M. Bierkens (UU)

Chairs: Pedro Viterbo and Yuping Yan

4. Climate modelling and reanalysis This session will discuss recent advances in land-surface modelling for climate including the prospects for coupled land-atmosphere reanalyses and the utility of off-line multi-model hydrologic water and energy balance studies.

Keynote Speaker: A. Dai (NCAR) & S. Seneviratne (ETH)

Chairs: Andy Pitman and Christian Jakob

5. Hydrologic prediction This session will discuss the use of land surface data assimilation in activities like HEPEX, PUB and GEWEX application projects, including an assessment of the needed skill for specific applications and the potential skill from assimilation systems.

Keynote Speaker: TBA & M. Clarke (NIWA)

Chairs: Damian Barrett and Bart van den Hurk

Timetable

Wednesday January 9
08:00 – 08:30 Registration
08:30 – 09:00 Opening
09:00 – 12:00 Session 1
12:00 – 14:00 Lunch
14:00 – 17:00 Session 2
18:00 – 19:30 Welcome reception

Thursday January 10
09:00 – 12:00 Session 3
12:00 – 14:00 Lunch
14:00 – 17:00 Session 4
19:00 – Conference dinner

Friday January 11
09:00 – 12:00 Session 5
12:00 – 12:30 Closing
12:30 – 14:00 Lunch

Registration

Registration is possible on our web site:

<http://www.cahmda3.info>

A limited number of places are available and will be allocated on a first come–first served basis.

The registration fee is, in Australian Dollars, A\$350.- (A\$250.- for students). This covers workshop participation, CD of extended abstracts, coffee/tea, lunches, conference dinner and social events.

The workshop will take place at the University of Melbourne.

Call for abstracts

Workshop participants are invited to present a poster related to one of the sessions. Those willing to participate should submit an extended abstract of their contribution before July 1, 2007 via our web site:

<http://www.cahmda3.info>

This workshop is a follow-up on the CAHMDA-I workshop held in Wageningen in 2001 and CAHMDA-II workshop held in Princeton in 2004.

For information about session topics, detailed instructions for authors, and publication of abstracts and papers, as well as hotel and travel information please visit the web site: <http://www.cahmda3.info>

Important dates

Deadline for extended abstract submission: July 1, 2007

Notification of acceptance: August 1, 2007

Deadline for registration: September 1, 2007

Submission of paper: April 1, 2008

Organisation

The workshop is organised jointly by the University of Melbourne, George Mason University, University of Tokyo, Princeton University and the University of Arizona. The following persons are involved in the scientific and organising committees.

Scientific Advisory Committee:

Damian Barrett – CSIRO Land and Water
Matthias Drusch – ECMWF
Paul Houser – George Mason University
Bart van den Hurk – Royal Netherlands Met. Institute
Christian Jakob – Australian Bureau of Meteorology
Yann Kerr – CESBIO
Eni Njoku – NASA Jet Propulsion Laboratory
Taikan Oki – University of Tokyo
Andy Pitman – University of New South Wales
Peter Steinle – Australian Bureau of Meteorology
Peter Troch – University of Arizona
Pedro Viterbo – Portugal Instituto de Meteorologia
Jeffrey Walker – University of Melbourne
Eric Wood – Princeton University
Yuping Yan – Beijing Climate Center

Organising Committee:

Clara Draper, Robert Pipunic, Jeffrey Walker, Paul Houser, Taikan Oki, Eric Wood and Peter Troch

All relevant information concerning the workshop can be found at the web site <http://www.cahmda3.info>

Additional queries about the scientific program and organisation can be sent to c.draper@civenv.unimelb.edu.au or r.pipunic@civenv.unimelb.edu.au.

Scope

The scope of this workshop is to bring together experts in hydrological modelling, remote sensing, parameter estimation, state estimation, and applications, to discuss new modelling and data strategies, and the potential of using advanced data assimilation methods to improve hydrologic model parameterisation and initialisation, and hydrologic predictability in water resource applications research.

First Circular

Preliminary program

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Call for abstracts

CAHMDA*-III International Workshop on

Hydrologic Prediction: Modelling, Observation and Data Assimilation

January 9-11, 2008
Melbourne, Vic, Australia



* CAHMDA – Catchment-scale Hydrological Modelling and Data Assimilation

Sponsors:

