

## **JEFFREY WALKER**

Professor and Head of Department

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### **FORMAL EDUCATIONAL QUALIFICATIONS**

1999 Ph.D Civil, Surv. and Env. Eng., University of Newcastle.  
1995 B.E. (Civil) Civil, Surv. and Env. Eng., University of Newcastle.  
1995 B.Surv. Civil, Surv. and Env. Eng., University of Newcastle.

### **MEMBERSHIP OF PROFESSIONAL SOCIETIES**

Institution of Engineers Australia (Member)  
American Geophysical Union (Member)

### **ACADEMIC POSITIONS HELD**

2012- Head, Civil Eng. Monash University  
2010-2011 Professor, Civil Eng. Monash University  
2007-2010 Associate Professor and Reader, Civil and Env. Eng. University of Melbourne  
2003-2006 Senior Lecturer, Civil and Env. Eng, University of Melbourne  
2001-2003 Lecturer, Civil and Env Eng, University of Melbourne  
1999-2001 Research Scientist, Hydrological Sciences Branch, NASA/GSFC, USA  
1996-1999 Doctoral Scholar, Civil, Surv. and Env. Eng., University of Newcastle

### **HONOURS, PRIZES AND AWARDS**

2011 Monash Postgraduate Association Supervisor of the Year  
2010 Fellow of the Institution of Engineers Australia  
2008 Inaugural Recipient, Anton Hales Medal in Earth Sciences  
2006 Best Paper, Hydrology and Water Resources Symposium  
2004 British Council Eureka Prize for Inspiring Science, Finalist  
2000 Lorenz G. Straub Award for Most Meritorious PhD Thesis Submitted World Wide in  
Hydraulics and Hydrology, Runner up  
1995 University Medal in Civil Engineering  
University Medal in Surveying  
Deans Medal  
The Board of Surveyors' Medal  
The ACSE Prize in Structural Engineering  
The Consulting Surveyors New South Wales Prize in Land Studies  
The Hunter Water Corporation Achievement Award  
The Institution of Engineers Australia Civil and Structural Branch Prize in Civil Engineering  
The Institution of Surveyors Australia Hunter-Manning Group Prize in Surveying  
The James Hardie Pipelines Water Resources Engineering Prize  
The Peter Kleeman Medallion  
The Spruson & Ferguson Prize in Civil Engineering  
Mine Subsidence Technological Society Prize in Geotechnical Design  
The Tony Herzog Award  
The Metal Building Manufacturers' Association Prize  
1994 The SRIA University Award for Concrete Design

- 1993 The Astley Pulver Prize for Second Year Surveyors  
 1992 The BHP Rod & Bar Products Division Prize in Civil Engineering

## CONTRIBUTIONS TO THE PROFESSION

### Member of working groups and technical committees:

- International Soil Moisture Working Group, *Invited*
- Science Definition Team, NASA Soil Moisture Active Passive satellite, *Competitive selection*
- Science Calibration Team, ESA Soil Moisture & Ocean Salinity satellite, *Competitive selection*
- Science Team, JAXA Global Climate Observing Mission–Water satellite, *Competitive selection*

### Research leadership:

- Science Leader of the *Soil Moisture Active Passive Experiments*, Murrumbidgee River Catchment, July 2010, December 2010, September 2011.
- Science Leader of the *Australian Calibration-validation Experiment for SMOS*, Murrumbidgee River Catchment, January/February 2010, September 2010.
- Science Leader of the *National Airborne Field Experiments*, Murrumbidgee and Goulburn River Catchments, November 2005 and 2006.
- Deputy Project Leader, CRC-eWater Project on *Enhanced Streamflow Forecasting*, January 2006-June 2008.
- Deputy Program Leader, CRC-eWater Program on *Measurement and Monitoring Technologies*, July 2005-December 2005.

### Editorial roles

- Associate Editor, *Geoscience and Remote Sensing Letters* (Special Issue)
- Associate Editor, *Journal of Hydrometeorology* (Special Issue)

### Conference organisation

- Numerous

## FUNDED KEYNOTE LECTURES AND ADDRESSES

- *Committee on Earth Observation Satellites*, Brisbane, Australia, February 2012
- *CAHMDA-IV*, Lhasa, Tibet, July 2010
- *2<sup>nd</sup> Chinese Data Assimilation Summer School*, Beijing, China, August 2010
- *Model Data Fusion Workshop*, Cape Schank, Australia, May 2010
- *Laboratoire des Sciences du Climat et de l'Environnement*, Paris, France, May 2009
- *Consiglio Nazionale delle Ricerche*, Bari, Italy, Feb 2009
- *Australia-China Workshop on Remote Sensing*, Canberra, December 2008
- *South Australian Hydrological Society*, Adelaide, Australia, April 2008
- *1<sup>st</sup> Chinese Data Assimilation Summer School*, Lanzhou, China, August 2007

## PUBLICATIONS (since 1999)

Book Chapters :	4
Refereed Journal Papers :	74
Refereed Conference Papers :	51
Non-Refereed Papers and Technical Reports :	73

*h-index of 23 and 2,169 citations (Scopus, 20 February 2013)*

See <http://users.monash.edu.au/~jpwalker/pub.html> for details

## REFEREES

**Professor Eric Wood**, Princeton University, United States

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**Professor Garry Willgoose**, Newcastle University, Australia

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**Dr Tom Jackson**, United States Department of Agriculture

tom.jackson@ars.usda.gov