



Ron Cox – Convenor ACCARNSI

(Australian Climate Change Adaptation Research Network for Settlements and Infrastructure)
BE, PhD

Associate Professor Ron Cox has had extensive experience in the coastal engineering and coastal zone management areas, working with industry and government, (local, state and federal) both within Australia and overseas. In 2008 Ron was awarded Engineering Australia's prestigious Sir John Holland Award for Civil Engineer of the Year, in recognition of his long standing and continuing contribution to the profession and community, particularly in the field of coastal engineering.

Qualifications

BE Hons 1 & Uni. Medal (Civil Engineering), UNSW, 1969
PhD, UNSW, 1976

Affiliations

CP Eng, FIE, Institute of Engineers, Australia
Member, International Advisory Committee, COPEDEC
Member Editorial Board Coastal Engineer Journal, Japan

Member Editorial Board Maritime Engineering Journal, UK
Member National Committee Coastal & Ocean Eng, IEAust
Board Member, PIANC Australia

Professional History

1967-1970 : Trainee Engineer - Metropolitan W S & D Board
1970-1973 : Post Graduate Fellow - CSIRO
1973-1975 : AWRC Research Engineer - UNSW
1976-1993 : Engineer/Projects Manager - WRL, UNSW
1987-1996 : Manager/Director - Australian Water & Coastal Studies
1988-2001 : Chair - Institution of Engineers Australia, National
Committee Coastal & Ocean Engineering

1993- : Associate Professor - Civil & Environmental
Engineering, UNSW
1993-2006 : Director - WRL, UNSW
2007-2008 : Director - Academic Finance & Marketing, Civil and
Environmental Engineering, UNSW
2009- : Convenor - ARCCARNSI, UNSW

Specialist Fields

- Coastal and Ocean Engineering, Coastal Management
- Sediment Transport, Fluvial and Estuarine Processes
- Engineering Hydrology, Flooding and Stormwater
- River and Estuarine Hydraulics
- Environmental Engineering (including water & wastewater systems design and impact assessment)
- Field Data Collection and Interpretation
- Power Station Water Cooling Systems
- Numerical and Physical Modelling
- Groundwater and Geohydrology
- Climate Change Assessment and Adaptation (for coastal, water resources, water security, flooding and stormwater)

Relevant Experience

Coastal Processes

1999-Ongoing: Manly, Collaroy, Brooms Head, Byron Bay
1976-Ongoing: Gold Coast Beaches, QLD

Hydrology, Flooding, Stormwater

1982-Ongoing: Nepean/Hawkesbury River, NSW
1983-Ongoing: South Esk River, Tamar Estuary, Launceston City

Water Security - Water & Wastewater Services

1985-Ongoing: Sydney, Hunter & Illawarra sewage disposal, NSW
2004-Ongoing: Desalination intakes & outfall, Perth & Sydney

Climate Change Adaptation

2007-2008: Coastal impacts, coastal management plan, climate change adaptation strategy, Clarence City, TAS

Relevant Publications

Coastal Engineering Guidelines for Working with the Australian Coast in an Ecologically Sustainable Way (2004) - Gourlay, Harper, **Cox**, Webb and Stone, Engineers Australia, ISBN: 085 825 819 6, Australia (previously published by Commonwealth Dept of Environment, ISBN: 0 642 54547 2, 1998)

More than 1500 copies distributed Australia wide

Guidelines for Responding to the Effects of Climate Change in Coastal and Ocean Engineering (2004 update) - coordinated by BA Harper, **RJ Cox** and MR Gourlay for National Committee Coastal & Ocean Engineering, Institution of Engineers Australia, ISBN: 085 825 750 5, Australia
Available online: EA National Committee Coastal and Ocean Engineering



UNSW
THE UNIVERSITY OF NEW SOUTH WALES

Water Research Laboratory
110 King Street, Manly Vale
New South Wales 2093 Australia
Tel: +61 (2) 8071 9832 Fax: +61 (2) 9949 4188

r.cox@unsw.edu.au
www.wrl.unsw.edu.au

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