

SINGAPORE INTERNATIONAL WATER WEEK 2010

RIVER BASIN & DELTA MANAGEMENT WORKSHOP



MR MICHAEL NEWTON BARBER

VICE CHANCELLOR AND PRESIDENT
FLINDERS UNIVERSITY OF SOUTH AUSTRALIA

Australia

PRESENT APPOINTMENT (Since January 1, 2008)

Vice Chancellor and President, Flinders University of South Australia.

UNIVERSITY EDUCATION

Cornell University (1969-1972):

PhD (1972) Field: Theoretical Physics,

Thesis: Critical Phenomena in Systems of Finite Thickness

University of New South Wales (1965-1968):

BSc, First Class Honours (1969), Applied Mathematics, University Medal

HONOURS AND AWARDS

Fellow, Australian Academy of Technological Sciences & Engineering, 2009-

Fellow, Society of Industrial & Applied Mathematics, 2009-

Companion, Institution of Engineers Australia, 2008-

Centenary Medal, 2003

Fellow, Australian Academy of Science, 1992-

Queen Elizabeth II Fellowship, 1972-1974

PREVIOUS APPOINTMENTS

CSIRO: Group Executive, Information, Manufacturing & Minerals,

2006-2007, Executive Director, Science Planning 2002-2006

University of Western Australia: Pro Vice-Chancellor (Research & Innovation) 1994-2002

Australian National University: Professor of Mathematics, 1984-1994;

Dean, Faculty of Science, 1990-1994

University of California, Santa Barbara, Institute for Theoretical Physics:

Visiting Research Scientist, Dec 1982-June 1983; Jan-Dec 1987; Sep-Dec 1992

University of Washington, Seattle, Department of Physics: Visiting Professor, July 1979-January 1980

University of New South Wales, Department of Applied Mathematics:

Lecturer, 1974-77; Senior Lecturer, 1977-80; Associate Professor, 1981-84.

Australian National University, Department of Applied Mathematics, Institute of Advanced Studies: Queen Elizabeth II Fellow, 1972-74

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RESEARCH INTERESTS

Research policy and research evaluation,
Statistical mechanics: theory of phase transitions, renormalization group,
exactly soluble models.
Materials science: solidification, dynamics of pattern formation, fracture
and crack dynamics.

SIGNIFICANT ADMINISTRATIVE AND/OR EXTERNAL APPOINTMENTS (since 2000)

Director, South Australian Health and Medical Research Institute
(SAHMRI), 2009-
Member, SA State Advisory Council, Committee for Economic
Development of Australia (CEDA), 2009-
Member, International Advisory Committee, Evaluation of the Canadian
Foundation for Innovation, 2008-2009
Director, AARNET Pty Ltd, 2003-06, 2008-
Director, Astronomy Australia Ltd, 2007-2009
Member, International Advisory Committee, National Networks of
Centers of Excellence, Industry Canada, 2007
Member, Research Quality Framework Development Advisory Group,
Department of Education, Science and Training (DEST) 2006
Member, National Nanotechnology Strategy Reference Group,
Department of Industry, Tourism and Resources (DITR), 2005-2006
Member, Research Quality Framework Expert Advisory Group, DEST, 2005
Member, National Research Infrastructure Taskforce, DEST, 2003
Secretary, Science Policy, Australian Academy of Science, 2001-2005
Director, Advanced Powder Technology Pty, 2000-2002
Chair, Research Grants and Fellowship Committee, Australian Research
Council, 2000
Member, Australian Research Council (ARC), 1997-2000
Member, Council, Australian Academy of Science, 1997-2000, 2001-05

PUBLICATIONS

1 book, 2 edited books and 78 papers in referred journals (Details
available on request.)

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