

CURRICULUM VITAE

Iver H. Cairns
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Born: Edinburgh, Scotland, U.K., 9 October 1961

University Education

B.Sc. 1983, Physics, with 1st Class Honours, University of Sydney, Australia
Ph.D. 1987, Physics, University of Sydney, Australia

Selected Awards and Fellowships

Western Mining Prize, 1980
Walter Burfitt Scholarship No II, 1981,
Deas-Thompson Scholarship in Physics, 1981
Science Foundation for Physics Scholarship III, 1981
Commonwealth Postgraduate Research Award, 1983 - 1986
University of Sydney Research Traveling Scholarship, 1983–1985
Senior Research Fellowship, Australian Research Council (ARC), 1998–2002
International Collaboration Award, Australian Academy of Science, 2004–2005
Australian Professorial Fellowship, Australian Research Council, 2004 – 2008

Professional Employment

Summer Scholar, C.S.I.R.O. Division of Radiophysics, Sydney, Australia, 1981
Physics Laboratory Assistant, University of Sydney, Australia, 1981–1983
Physics Tutor, St. Andrews College, University of Sydney, 1981–1983, 1985
Research Investigator, University of Iowa, 1986–1988
Assistant Research Scientist, University of Iowa, 1988–1994
Adjunct Assistant Professor, University of Iowa, 1988–1990
Associate Research Scientist, University of Iowa, 1994–1998
Adjunct Associate Professor, University of Iowa, 1996
ARC Senior Research Fellow (Assoc. Professor), University of Sydney, 1998–2003
Associate Professor, University of Sydney, 2003–2004
ARC Australian Professorial Fellow (Assoc. Prof.), University of Sydney, 2004–2005
ARC Australian Professorial Fellow (Professor), University of Sydney, 2006–present
Research Professor in Space Physics, University of Sydney, 2006–present

Supervision of Students

University of Iowa: 2 M.Sc., 4 Ph.D.
University of Sydney: 18 Talented Student Program,
3 Third Year,
5 Vacation Scholars & 1 International Intern
5 Honours,
5 PhD (5 more ongoing),

International Spacecraft and Telescope Projects

STEREO spacecraft project - NASA (1999–present; launched October 2006)
Named Co-Investigator of the S/Waves instrument

Low Frequency Array Radio (LOFAR) telescope
Member, Working Group on Options for Australian Involvement (2003–2005)
Member, Australian LOFAR Science Working Group (2003–2005)

MIRA Widefield Array (MWA) Low Frequency Demonstrator (LFD)
Deputy Chair, Solar-Heliospheric-Ionospheric Working Group (2006–present)
Member, MWA-LFD Science Council (2006–present)

Professional Service

International:

International Association for Geomagnetism and Aeronomy (IAGA)
Chair, Division IV (Solar Wind and Interplanetary), 2003–2007

Asia Oceania Geosciences Society (AOGS)
President, Solar Terrestrial Section, 2004–2008
Member of Council, 2004–2008

National:

National Committee for Space Science, Australian Academy of Science
Member 2004–present
Chair 2005–present

First Decadal Plan for Australian Space Science
Chair, Steering Committee, 2006–present

Solar Terrestrial and Space Physics (STSP) Group, AIP
Chair, 2004–2006
Committee member, 2004–present

Australian Institute of Physics (AIP), NSW Branch:
Scientific Meetings Organizer 1999–2003
University of Sydney branch representative 2001–2005
Treasurer 2004–2005

Journals:

Advances in Space Research: Guest Editor 2002–2003
Journal of Geophysical Research (JGR) - Space Physics
Associate Editor, 2006–present