

CURRICULUM VITAE

NAME CATHERINE PATRICIA FOLEY, BSc (Hons), Dip Ed, PhD, FAIP, FInstP, CPhys, PSM

QUALIFICATIONS BSc (Hons 1), Physics, Macquarie University, 1980 (conferred 1981)
Dip Ed, High School Physics, Macquarie University, 1979 (conferred 1981)
PhD, Physics, Macquarie University, 1984 (conferred 1985)

PROFESSIONAL EXPERIENCE

1985-present: **CSIRO Industrial Physics, Sydney**
National Research Fellow, 1985-87 (awarded accelerated advancement, 1987)
Senior Research Scientist, 1991-1996
Acting Project Leader, Superconducting Sensors and Technology Project 1995-1996
Project Leader, Superconducting Devices and Applications Project, 1996-present
Principal Research Scientist, 1996-1999
Senior Principal Research Scientist, 2000- present (awarded with accelerated advancement from CSOF 7.2)
Stream Leader, Applied Quantum Systems, 2003-2004
Theme Leader, Nanoscale Manufacturing, 2005- June 2007
Research Program Leader, 2007-present

1988-1993: **Science correspondent for ABC 2BL radio evening program**

1981-1984: **Graduate Student and Laboratory Demonstrator, School of Mathematics, Physics, Electronics and Computing, Macquarie University**

1989 to present: **Honorary Research Associate of the School of Physics, University of Sydney**

PRIZES AND DISTINCTIONS

- NSW Department of Education High School Scholarship 1974-1975
- NSW Education Department University Scholarship, 1976-1980
- CSIRO Vacation Scholarship, 1980
- Commonwealth Postgraduate Research Award, 1981-84
- IUVESTA Welch Foundation Scholarship, 1984
- Plessey Prize for Proficiency in Materials Science, 1980
- Elected as Fellow of the Institute of Physics, UK, 1999
- Chair of the International Superconducting Electronics Conference, Sydney 2003
- Technical Editor of IEEE Transactions Applied Superconductivity 1998- present
- Public Service Medal, 2003, awarded in the Australia Day Honours list
- Advisory Board of the Superconductor Science and technology, 2000-2002
- Divisional team awards, for high performance team work, 2002, 2003 and 2004.
- Invited to the Board of the IOP journal Superconducting Science and Technology, 2003-present
- Eureka Prize for the Promotion of Science, 2003
- Elected to the National Executive of the Australian Institute of Physics
Honorary Treasurer, 2001-2004
Vice President, 2005-2006
President, 2007-2008
- Public School Parent of the Year, NSW Department of Education for services to public school education over an extended period of 12 years.
- CSIRO medal research Achievement, 2007
- IEEE Distinguished Lecturer, 2007-2008

PUBLICATIONS AND CITATIONS

- 84 refereed papers in international journals
- 56 papers in conference proceedings
- 3 book chapter, 4 provisional patent applications, 1 granted, 31 other publications and reports
- 860 citations in ISI Science Citation Index