

Professor Erich Weigold AM FAA, FTSE, FAPS, FAIP

Born 19 October 1937 in Haifa, Palestine

Degrees B Sc Honours Class 1 (Physics), University of Adelaide, 1959
 PhD in Nuclear Physics, Australian National University, 1962
 (ANU Research Scholarship 1959, Australian Institute of Nuclear
 Science and Engineering Scholarship 1960-62)

Research Interests

Nuclear physics then the study of atomic collision processes, molecular physics and quantum chemistry and more recently condensed matter physics.

Publications: 2 major books, 3 edited books and more than 300 refereed journal articles and book chapters. Other than a small number of articles in nuclear physics and in ion-atom collisions, the publications are mostly concerned with electron collisions with atoms, molecules and condensed matter and the study of the electronic structure of atoms, molecules, and solids (crystalline, polycrystalline and amorphous).

POSITIONS HELD

January 2008-present	Professor Emeritus, ANU
March 2006 – October 2007	Pro Vice-Chancellor (Research) La Trobe University
February 2004-March 2006	Executive Director, Physics, Chemistry and Geoscience, and the Centres of Excellence Scheme, Australian Research Council
October 2002-February 2004	Professor, Atomic and Molecular Physics Laboratories, RSPHysSE, ANU
September 1992-October 2002	Director, Research School of Physical Sciences and Engineering, Australian National University
September 1992-present	Professor Emeritus, Flinders University of South Australia
January 1988-September 1992	Director, Electronic Structure of Materials Centre, ARC Special Research Centre, Flinders University of South Australia
December 1978-September 1992	Professor of Physics, Flinders University of South Australia (First Personal Chair Offered by the University)
January 1974 November 1978	Reader in Physics, Flinders University of South Australia
August 1970-December 1973	Senior Lecturer in Physics, Flinders University of South Australia
January 1966-August 1970	Chief, Nuclear Physics Division, Air Force Office of Scientific Research, Washington DC, USA

May 1964-December 1965	Physicist, Air Force Office of Scientific Research, Washington DC, USA
November 1962-May 1964	Lecturer in Physics, University of Adelaide
February 1962-October 1962	Fellow of the Australian Institute of Nuclear Science and Engineering, ANU

VISITING APPOINTMENTS

Visiting Scientist, CNEN, Frascati, Italy, January-February 1975
 Physicist, FOM Research Laboratories, Amsterdam, The Netherlands, Feb.-September 1975
 ONR Consultant, Rolla, Missouri, July 1980
 Visiting Professor, University of Münster, Germany, September-October 1985
 Visiting Professor, University of British Columbia, Vancouver, Canada, May-June 1987
 Visiting Professor, University of Konstanz, Germany, August-September, 1992
 Humboldt Professor, University of Frankfurt, Frankfurt, and the Max Planck Institute for Microstructure Physics, Halle, Germany, 2001, 2002, 2003.

HONOURS AND AWARDS

Member of the Order of Australia AM	was awarded in 2009
Lyle Medal	Awarded by the Australian Academy of Sciences, 1993
Humboldt Research Prize	Awarded by the Alexander von Humboldt Foundation, Germany, 2000
Centenary Medal	Commonwealth Government of Australia, 2003
Fellow	Australian Academy of Sciences, 1986
Vice-President	Australian Academy of Science, 1991-92
Secretary	(Physical Sciences) Australian Academy of Science, 1992-1996
Member	Council, Australian Academy of Sciences, 1989-96
Fellow	Australian Academy of Technological Sciences and Engineering (ATSE), 1996
Fellow	American Physical Society, 1989
Fellow	Australian Institute of Physics
Chair	RQF Assessment Panel 2 (Chemistry, Physics, Astronomy and Earth Sciences) 2007
Member	Canadian Foundation for Innovation Special Multidisciplinary Assessment Committee, 2006
Member	Program Advisory Committee for LIGO (Laser Interferometer Gravitational-Wave Observatory) Operated by Caltech and MIT.
Chairman	Physical Sciences Subcommittee of the Australian Research Grants Committee (ARGC) 1984-1986 (Member, 1982-1983)

Deputy Chairman	ARGC, 1986
Member	Technical Committee for High Energy Physics (USA) 1966-70
Member	Interagency Committee for Nuclear Physics (USA) 1965-1970
Member	International Union for Pure and Applied Physics Commission (C-15) 1978-1985
Chair	Assessment Panel, Innovation Access Program-International S&T, 2002-2004
Member	Governing Board, Australian Photonics CRC, 1994-2002
Member	Board, CRC for Functional Communication Surfaces, 2000- 2002
Member	Review Committee, Research School of Physical Sciences, ANU (1987)
Chairman	Flinders University Research Committee, 1981-84
Member	Council, Flinders University, 1972-1975
Chairman	Fulbright (Australian-American Educational Foundation) Selection Committee of South Australia (1981-1990)
National Chairman	Committee for the International Survey on Atomic and Molecular Sciences, 1983-1984
Chair	Numerous Professorial Appointment and Promotion Committees
Chair	Editorial Board, Australian Journal of Physics 1993-1998
Member	Australia Prize Committee 1995
Member	Institute of Advanced Studies Review Advisory Committee, 1995
Member	Australian Academy of Science Forum on Industry and Science, 1995
Member	Consultative Committee of the Australian Academies, 1995-96
Chair	Review Committee, Dept of Physics, Monash University 1996
Chairman	National Committee for Physics of the Australian Academy of Science 1997-2000
Member	1996 Vice-Chancellor's Budgetary Advisory Group
Member	Advisory Board, Mount Stromlo & Siding Spring Observatories
Member	ARC Large Grants Scheme Review Steering Committee 1997- 98
Director	La Trobe Innovation Pty Ltd, 2006-2007
Director	Acton Semiconductors (Aust) Pty Ltd, 2000-2008
Director	Photon Engineering Pty Ltd, 1995-1998