



Brian L.N. Kennett, IUGG Fellow

AUSTRALIA

Current Appointment & Employment History:

Professor of Seismology, Research School of Earth Sciences, The Australian National University, Canberra ACT 0200, Australia (since 1984)

Director, Research School of Earth Sciences, ANU (Sept. 2006 –January 2010)

Director, ANSIR National Research Facility in Earth Sounding (2002-2014)

Visiting Research Professor, Earthquake Research Institute, University of Tokyo, Japan (1997)

University Lecturer, Department of Applied Mathematics and Theoretical Physics, University of Cambridge (1976-1984)

Lindemann Trust Fellow (1974-75) at University of California, San Diego

Research Fellow, Emmanuel College Cambridge (1972-1976).

Education: University of Cambridge, England:

BA 1969 (Honours Class I – Theoretical Physics),

Honours with Distinction, Mathematical Tripos Part III 1970,

M.A., Ph.D. (Theoretical Seismology), 1973,

Sc.D. 1992

Research Expertise:

Primary field of expertise: Seismology with applications to the structure of the Earth.

Author of the Earth models used by all international agencies for the location of earthquakes, and as primary references for high resolution seismic tomography. Work on imaging of subduction zones has led to involvement in problems of tectonics and understanding of deep Earth structure into cross-disciplinary work in geochemistry and mineral physics. Work on inverse problems has been taken up in many disciplines.

Honours / Awards / Prizes:

University of Cambridge: Smith's Prize (1972), Adams Prize (1981).

Van Weelden Award of the European Association of Exploration Geophysicists (1979)

Fellow, American Geophysical Union (1988), Fellow, Australian Academy of Sciences (1994),

Fellow, Royal Society (London) (2005)

Royal Astronomical Society (London): Associate (Honorary Fellow), (1996), Gold Medal for Geophysics (2008), Humboldt Research Award (2004), Murchison Medal, The Geological Society of London (2006), Gutenberg Medal, European Geosciences Union (2007), Australian Academy of Sciences: Jaeger Medal for Australian Earth Sciences (2005), Mathew Flinders Medal (2011)

IUGG Service:

International Association for Seismology and Physics of the Earth's Interior (IASPEI):

President 1999-2003, Vice-President 1991-1999, Executive Committee, 1987-2007.

International Union of Geodesy & Geophysics:

Executive Committee, 1999-2003, Finance Committee 2003-2006.

Recent Major invited presentations:

“Exploiting Earthquakes”, Flinders Medal Lecture, Australian Academy of Sciences (2011)

“Probing the Earth”, Union Plenary Lecturer, IUGG General Assembly, Melbourne, Australia (2011)

“Unveiling a continent: the lithosphere of Australia”, Keynote Lecture, 34th International Geological Convention, Brisbane, Australia (2012)