

JAMES JACKSON

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Date of birth: 12 December 1954

Academic Career:

2022- Emeritus Professor of Active Tectonics, University of Cambridge
2002–2022 Professor of Active Tectonics, University of Cambridge
2008–2016 Head of Department of Earth Sciences, Cambridge
2006 Visiting Professor, CNRS, Université J. Fourier, Grenoble, France
2006 Visiting Professor, GPS Division, California Institute of Technology, USA
1996 Reader, Dept. Earth Sciences, Cambridge
1994,96 Visitor, Institute of Geological and Nuclear Sciences, New Zealand
1991 Visitor, DSIR Geology and Geophysics, New Zealand
1990–91 Alan Cox Visiting Professor, Stanford University, USA
1985 Visitor, Department of Geology and Geophysics, University of Utah, USA
1984 University Lecturer, Dept. Earth Sciences, Cambridge
1980–84 Postdoctoral Research Fellow and Associate, N.E.R.C.
1977–81 Seismic Discrimination Group, Lincoln Laboratories, M.I.T., USA
1980 Ph.D. Department of Earth Sciences, University of Cambridge
1976 B.A. (1st Class) Geology, University of Cambridge

Honours

1985 President's Award, Geological Society of London
1997 Bigsby Medal, Geological Society of London
2002 Elected Fellow of the Royal Society
2003 Elected Fellow of American Geophysical Union
2004 Harold Jeffreys Lecturer, Royal Astronomical Society
2015 Honorary Professor, Indian Institute of Science Education and Research, Kolkata
2015 Wollaston Medal, Geological Society of London
2015 CBE (Commander of the Order of the British Empire)

Ph.D. Students

I have supervised 24 successful Ph.D. students to date.

Main fieldwork experience

Published field-based studies from Algeria, Italy, Greece, Cyprus, Turkey, Egypt, Iran, India, Pakistan, Mongolia, Malawi, New Zealand, USA (California, Nevada, Utah), Kazakhstan, Kyrgyzstan, Turkmenistan.

Public Understanding of Science, Media, etc.:

2023 Interview for BBC *The Life Scientific*, 21 March, www.bbc.co.uk/programmes/b015sqc7
----- Typically 5-8 public science lectures a year on earthquakes and tsunamis
1997 10 hours of public lectures on 'Planet Earth' in 5 cities in New Zealand (British Council)
1996 8 hours of public lectures on 'Planet Earth', Tokyo, Japan (and NHK TV)
1995 Royal Institution/BBC Christmas Lecturer, 'Planet Earth an explorer's guide' (5 hours)
www.rigb.org/explore-science/explore/video/planet-earth-explorers-guide-edge-world-1995
1983 Main presenter of BBC Horizon programme 'The Earthquake Connection'

Public service outside Cambridge:

- 2017 UK (Royal Society) representative at 3rd *Joint Science Conference of the Western Balkans Process* in Paris
- 2012 Member, Earth Observatory of Singapore, review panel.
- 2011,12 Member, Deutsche Forschungsgemeinschaft (DFG) Geoscience panel.
- 2011 Member, Uppsala University review panel, Sweden.
- 2009–15 Member, Board of Advisors, GeoHazards International.
- 2006 Chairman, Tectonics Observatory Visiting Committee, Caltech
- 2005 Member of National Science Foundation Committee of Visitors, Washington DC.
- 2001 Member of National Research Council/National Academy review panel of National Science Foundation EARTHSCOPE initiative to U.S. Congress
- 1993–95 Member of Research Grants and Training Awards Committee, N.E.R.C.
- 1993–94 Member of the Royal Society Radioactive Waste Study Group, and co-author of the report *Disposal of Radioactive Wastes in Deep Repositories* (Royal Soc. 1994)
- 1992 Visiting Committee, Institute de Physique du Globe, Paris

Some named lectures:

- 2001 Mallet-Milne Lecturer, Society of Earthquake & Civil Engineering Dynamics, London
- 2004 Kliegel Lecturer, Caltech, Pasadena
- 2004 Harold Jeffreys Lecturer, Royal Astronomical Society, London
- 2018 Lamor Lecturer, Cambridge Philosophical Society

Miscellaneous, big projects, science into policy:

- 2012–18 lead PI of the NERC-ESRC Consortium '*Earthquakes Without Frontiers*': a partnership between earthquake scientists in UK universities (Cambridge, Oxford, Durham, Leeds) and countries in the earthquake belt between Italy and China working together to share knowledge, expertise, training and resources to increase resilience to earthquakes in Asia. The partnership included social scientists in the universities of Durham, Hull and Northumbria as well as science-into-policy experts from the Overseas Development Institute in London. See <http://ewf.nerc.ac.uk/>
- 2002– founding Director of COMET (Centre for Observation and Modelling of Earthquakes and Tectonics: <https://comet.nerc.ac.uk/>) now part of NERC's National Capability infrastructure.

Advice to Government: Advice to COBR, SAGE, GO Science, DFID after the 2015 Nepal earthquake, and to MOD and FCDO on earthquake risk to overseas facilities.

Editorial Boards of Journals: *J. Earthquake Engineering*; *MTA Bulletin* (Bulletin of Geological Survey of Turkey); *Biographical Memoirs of Fellows of the Royal Society*.

Publications:

>200 articles, of which 187 are in international reviewed literature. ISI H-index was 90 on 29.12.2023 with >21,000 citations

General areas of interest and expertise:

Earthquake seismology, space-based geodesy and Quaternary geology, combined with field and remote observations of geomorphology, to study how the continents develop and deform on all scales, from individual earthquakes to the evolution of mountain belts. Interactions with civic leaders, officials and others responsible for public safety on how to use earthquake science to reduce the risk from earthquakes to populations in developing countries.