



*Advancing
Astronomy and
Geophysics*

The Harold Jeffreys Lectures

An annual series of lectures on geophysics. The Harold Jeffreys lecture is generally reserved for topics concerning the interior structure, formation and composition of the Earth and/or planets (e.g. seismology, tectonics, geodesy, geomagnetism, solar system dynamics, meteoritics).

Year of Lecture	Name of Lecturer	Date Lecture Given	Title of Lecture
2019	F.Nimmo	TBC	TBC
2018	A. Morbidelli	2018 December 12	Combining dynamical and geochemical modeling: a powerful approach to understand the early history of the Earth and the Moon
2017	T. Wright	2017 October 13	Monitoring our dynamic planet using satellite geodesy
2016	J. Collier	2016 November 11	Making Britain: evidence for catastrophic flooding in the English Channel
2015	A. Watts	2016 February 12	Plate flexure and its implications for geological processes
2014	A. Halliday	2014 November 14	The origin of the Earth and Moon

2013	R. White	2013 October 11	Building the dynamic crust of Iceland by rifting and volcanism
2012	W. Chaplin	2013 February 08	Helioseismology: The Solar Interior Revealed
2011	L. Fletcher	2011 May 13	The Sun at high energies
2010	S. Miller	2010 November 12	Do extrasolar planets go bang?
2009	E. Bunce	2009 November 13	Recent Observations of Saturn's Magnetosphere Using Cassini
2008	M. Grady	2008 November 14	Astronomy by microscope
2007	A. Hood	2007 May 11	The Sun: A new dawn
2006	A. Coustenis	2006 November 10	Titan after the Cassini- Huygens Mission
2005	P. Silver	2005 November 11	Mantle Deformation, Continental Evolution and the Wilson Cycle: Paradoxes and Proposals
2004	J. Jackson	2004 November 12	The support of mountains and the survival of continental cratons
2003	M.E. Bailey	2004 March 12	The Origin of Comets and the Oort Cloud

2002	F. R. Stephenson	2002 October 11	Historical Eclipses and the Earth's Rotation
2001	S. Solanki	2002 January 11	Solar Variations and climate change
2000	R. Grieve	2001 January 12	Impacts and Earth evolution
1999	T. Robinson	2000 May 12	Waves, Feedback and the Ionosphere: A fresh look at some unsolved problems of the Solar-Terrestrial environment
1998	P. G. Richards	1999 March 12	Earth's Inner Core - Discoveries and Conjectures
1997	M. H. Carr	2000 February 11	Martian Oceans, Valleys and Climate: New Insights from Mars Global Surveyor
1996	P. Molnar	1997 January 10	Uplift of the Tibetan Plateau: From Mantle Dynamics to the Indian Monsoon
1995	J. C. Farman	1995 November 10	Ozone and Middle Atmosphere
1994	A. Brahic	1994 November 11	Planetary Rings and Arcs
1993	P. J. S. Williams	1993 November	High Resolution Radar Studies at the Ionosphere
1992	D. J. Southwood	1992 March 13	The Oscillating Magnetosphere

1991	B. A. Bolt	1991 May 10	The precision of density estimation deep in the Earth
1990	D. Gubbins	1990 March 9	Inverse Problems in Astronomy and Geophysics
1989	K. Lambeck	1989 May 12	Sea-level Change: Past, Present and Future
1988	E. Shoemaker	1988 December 9	Solar System Roulette: The Frequency and Consequences of Large Body Impacts on the Earth
1987	C. T. Russell	1987 November 13	Comet Halley: Its interaction with the solar wind and its effect on the Earth's magnetosphere