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
2018	A. Morbidelli	TBA	*TBA*
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 Enalish 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 12	*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*

1986	A. M. Dziewonski	1986 November 14	*Three-dimensional images of the Earth's interior*
1985	M. Gadsden	1985 December 13	*Noctilucent Clouds*
1984	A. S. Laughton	1984 October 12	*The changing shape of the ocean*
1983	J. A. Jacobs	1983 October 14	*Reversals of the Earth's magnetic field*
1982	M. Nicolet	1982 November 12	*Solar activity indices and special spectral irradiances in the ultra-violet*
1981	R. Hide	1981 October 09	*Rotating fluids in geophysics and planetary physics*
1980	G. J. Wasserburg	1981 March 13	*Galactic nuclear-synthesis and the early history of the Solar System*
1979	C. Sagan	1979 April 11	*The exploration of the outer solar system*
1978	M. M. Woolfson	1978 October 13	*Cosmogony Today*
1977	J. W. King	1977 November 11	*The influence of Solar phenomena on weather and climate*