Royal Astronomical Society

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	Name of Lecturer	Date Lecture Given	Title of Lecture
2022	Rhodri Davies	TBC	TBC
2021	Sanne Cottaar	TBC	*TBC*
2019	Francis Nimmo	2021 November 19	*Three surprises from Planetary Science*
2018	Alessandro Morbidelli	2018 December 12	*Combining dynamical and geochemical modeling: a powerful approach to understand the early history of the Earth and the Moon*
2017	Tim Wright	2017 October 13	*Monitoring our dynamic planet using satellite geodesy*
2016	Jenny Collier	2016 November 11	*Making Britain: evidence for catastrophic flooding in the English Channel*
2015	Anthony Watts	2016 February 12	*Plate flexure and its implications for geological processes*
2014	Alex Halliday	2014 November 14	*The origin of the Earth and Moon*
2013	Robert White	2013 October 11	*Building the dynamic crust of Iceland by rifting and volcanism*

2012	William Chaplin	2013 February 08	*Helioseismology: The Solar Interior Revealed*
2011	Lyndsay Fletcher	2011 May 13	*The Sun at high energies*
2010	Steve Miller	2010 November 12	*Do extrasolar planets go bang?*
2009	Emma Bunce	2009 November 13	*Recent Observations of Saturn's Magnetosphere Using Cassini*
2008	Monica Grady	2008 November 14	*Astronomy by microscope*
2007	Alan Hood	2007 May 11	*The Sun: A new dawn*
2006	Athena 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	James 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*

Year	Name of Lecturer	Date Lecture Given	Title of Lecture
2020	Andrew Pontzen	2021 March 12	*Dwarf galaxies in cosmology*
2018	Lord Martin Rees of Ludlow	2018 February 08	*Progress and frustrations in cosmology*

2016	Neil Turok	2016 October 14	*Universe*
2014	Ofer Lahav	NAM 2014	*The enigma of Dark Matter & Dark Energy: have we been here before?*
2012	Andrew Liddle	2012 November 09	*The Universe, Darkly*
2011	Alexander Vilenkin	2011 April 19	*The Principle of Mediocrity*
2009	George Ellis	2009 April 23	*Evidence and theory, Fact and Fancy: the state of cosmology today*
2005	Carlos Frenk	2006 December 08	*Our Implausible Universe*
2003	Paul Davies	2004 October 08	*The Arrow of Time*
2001	John D. Barrow	2002 March 08	*Cosmology: A Matter of All and Nothing*