

## 'Physics High Flyers'

If you are you wondering what to do on the Saturday of the May Bank Holiday (5th May) then help is at hand.

As part of the 2012 Dublin City of Science Festival, the Institute of Physics in Ireland (IOPI) are proud to announce that they will be hosting a 'Physics High Flyers' Event on Saturday May 5th in the Royal College of Surgeons in Ireland, 123 St Stephens Green, Dublin 2. This public event is open to anybody who would like to hear some of the most influential scientists in the World speak in an informal atmosphere about their careers, research and the future of Physics and Science in general. The Programme includes two 'Physicists in the Chair' interview/Question & Answer sessions.

Distinguished Speakers include:

- \* Prof. Jerome Friedman - 1990 Physics Nobel Prize Winner who uncovered the first experimental evidence that, protons had an internal structure, later known to be quarks.
- \* Prof. Margaret Murnane - 2011 RDS Irish Times Boyle Medal Winner who is an Irish Physicist, at the very forefront of ultra-short pulsed laser research.
- \* Prof. Anton Zeilinger - 2010 Physics Wolf Prize Winner who is a world-renowned pioneer in the field of quantum information and quantum optics.
- \* Prof. Henry Kapteyn - 2010 Schawlow Prize Winner whose pioneering work has pushed X-ray source research to the very brink of laser-like technology.
- \* Prof. Cecilia Jarlskog - 2011-2014 President of the International Union of Pure and Applied Physics

How to Register: Participation in this event is free of charge and open to all (i.e. it not just for Physicists). Numbers are limited so to book a place please send a brief email to [iopi@rcsi.ie](mailto:iopi@rcsi.ie) indicating in the subject field 'IOPI High Flyers Event' and include in the body of the text the names of the people in your group who would like to attend.

More information at:

<http://www.iopireland.org/events/index.html?trumbaEmbed=view%3Devent%26eventid%3D99364426>

Time	Speaker	Title	Lecture Title
09.25	Dr Kevin McGuigan	Chair of Institute of Physics in Ireland	Welcome Address
09.30 – 10.15	<b>Prof. Henry Kapteyn</b>	Recipient of the 2010 Schawlow Prize of the American Physical Society	<i>“Science at the Timescale of the Electron – Laser-Like X-Ray Beams from Tabletop Lasers”</i>
10.15 - 11.00	<b>Prof. Cecilia Jarlskog</b>	President of the International Union of Pure & Applied Physicists (IUPAP) and member of the Physics Nobel Committee	<i>“The greatest mysteries in the physical universe”</i>
11.00 – 11.15	<i>Comfort Break</i>		
11.15 – 12.00	<b>Prof. Margaret Murnane</b>	Winner of the 2011 RDS Irish Times Boyle Medal for Scientific Excellence and the 2010 R.W. Wood Prize of the Optical Society of America	<i>“Capturing the Dance of Electrons in Molecules and Materials”</i>
12.00 – 12.45	<i>“Physicists in the Chair”</i> Interview session with speakers <b>Dr Tony Scott</b> interviews all the speakers from the morning session		
12.45 – 14.00	<i>Break for Lunch</i>		
14.00 – 14.45	<b>Prof. Anton Zeilinger</b>	Recipient of the 2007 IoP Isaac Newton Medal & the 2010 Wolf Prize in Physics for his pioneering work in the field of quantum information and quantum optics	<i>“Quantum Entanglement: From Einstein’s Spook to Secure Computation”</i>
14.45 – 15.30	<b>Prof. Jerome Friedman</b>	Shared, the 1990 Nobel Prize in Physics with Henry Kendall and Richard Taylor for the first experimental evidence that protons had an internal structure, later known to be quarks.	<i>“The Road to Quarks and Beyond”</i>
15.30 – 16.15	<i>“Physicists in the Chair”</i> Interview session with speakers <b>Dr Tony Scott</b> interviews both speakers from the afternoon session		