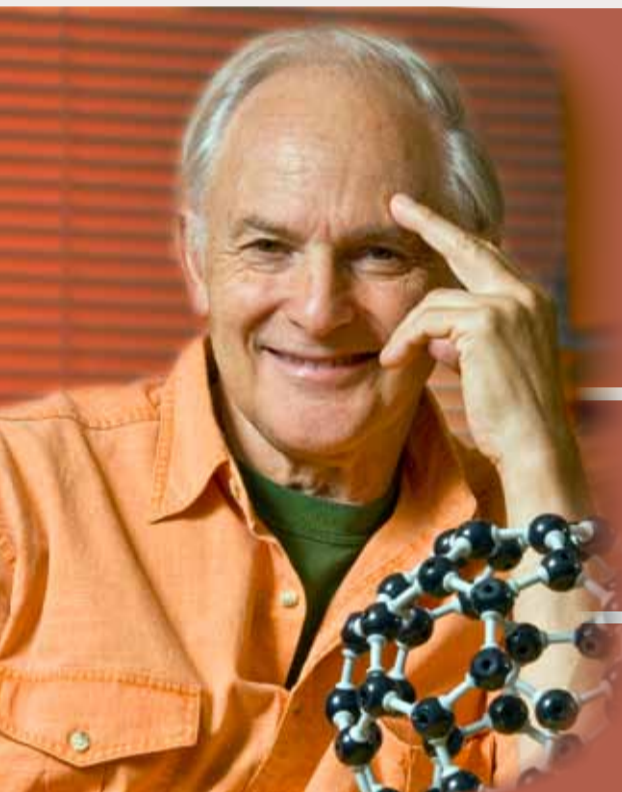




Institute of Advanced Studies

Solar Fuels Lab (School of Materials Science & Engineering and Energy Research Institute @ NTU)

*Ever realised how universal is the Mathematics language?
Are you curious about the deep secrets behind it?
Be amazed by this thought-provoking talk on the creativity of Mathematics!*



Créativité Sans Frontières

Creativity Without Borders

Sir Harold Kroto

Lee Kong Chian Distinguished Professor
Nobel Laureate in Chemistry, 1996

14 June 2012 (Thursday) • 10:00am to 11:00am
School of Biological Sciences Classroom 1, NTU

Chairman of the talk: Prof James Barber FRS *Imperial College London*

About The Talk

It is a fascinating fact that the appreciation of patterns, both simple and complex that abound in the physical and natural world as well as in mankind's symbolic and artistic creations, has driven advances in understanding at every level and changed every aspect of the modern world, when combined with human curiosity.

This exciting talk will share common aspects of the creative response - sans frontières - from visual appreciation to refined creations of mathematical forms. The talk will also explore the beauty of mathematical symbols, the intricate elegance of their operations and their value in applications.

About The Speaker

Sir Harold Kroto is currently the Francis Eppes Professor of Chemistry at the Florida State University, where he is carrying out research in nanoscience and cluster chemistry as well as developing exciting new Internet approaches to STEM educational outreach. Sir Harold Kroto was awarded the **Nobel Prize for Chemistry in 1996** together with Robert Curl and Richard Smalley for their ingenious experiments which eventually uncovered a new form of carbon, the C₆₀ Buckminsterfullerene. He was also knighted in the 1996 New Year's Honours list for his contributions to Chemistry. He has several other awards including the Copley Medal and Faraday Lectureship of the Royal Society and the Longstaff Medal of the Royal Society of Chemistry.

He is a Fellow of the Royal Society of London, and holds an Emeritus Professorship at the University of Sussex in Brighton, United Kingdom. From 2004, he has been on the Board of Scientific Governors at Scripps Institute. He was elected a Foreign Associate of the National Academy of Sciences in 2007.

Admission is free. Please register online at <http://www.ntu.edu.sg/ias/ptreg>
For enquiries, please email us at iasevents@ntu.edu.sg