

LECTURE PROGRAM:

Monday, April 29, at 7 p.m.
IIC-2001

PUBLIC LECTURE:

**The Magic of Molecular Soccer:
Beauty and Purpose of Curiosity-
driven Basic Research**

**"Can fullerene cavities be packed with
something?"**

Today, after more than 20 years of fullerene chemistry, we now know this can be carried out by elaborate chemical surgery. In a breathtaking experiment we succeeded in the inclusion of one helium atom in the football-shaped molecule without bursting the collision complex. These experiments, complemented by theoretical work, and further considerations eventually lead to the central question 'Of what use is basic research?'

A wine and cheese reception will follow in the Bruneau Centre atrium.

RESEARCH LECTURES:

Tuesday, April 30, at 10 a.m.
C-2004

**Oxidative Dehydrosulfurization
and Selective Bond-Activation by
"Roll-over" Cyclometalated Pt(II)
Complexes: Theory and Experiment
in Concert**

Tuesday, April 30, at 2 p.m.
A-1043

**Chemistry with Methane: Concepts
Rather than Recipes**

A student awards reception will follow.

- 2013 Helmut Schwarz
- 2011 John C. Vederas
- 2009 Robert H. Crabtree
- 2008 R. Graham Cooks
- 2007 Thomas J. Meyer
- 2005 David N. Reinhoudt
- 2003 William Reiff
- 2000 K.W. Michael Siu
- 1999 Robert Wood
- 1998 Edward Piers
- 1997 Judith A.K. Howard
- 1995 Alfred Sykes
- 1993 W. John Albery
- 1992 Bertram Fraser-Reid
- 1991 Henri Brunner
- 1989 Fred McLafferty
- 1988 Grenfell Patey
- 1987 Barry Trost
- 1986 Mark Wrighton
- 1984 Kenneth Pitzer
- 1983 William Ayer
- 1982 Robert J.P. Williams
- 1981 Henry Bent
- 1980 Pierre Deslongchamps
- 1979 William Lipscomb
- 1978 Stanley Mason
- 1976 Zdenek Valenta
- 1975 John Murrell
- 1972 Dietmar Seyferth

The Department of Chemistry wishes to announce the 29th recipient of the

JOB VISITING PROFESSORSHIP

The 2013 Job Visiting Professor is

DR. HELMUT SCHWARZ

Professor of Chemistry at the
Berlin University of Technology

President of the
Alexander von Humboldt Foundation

A series of three lectures will be given by
Dr. Schwarz at Memorial University of
Newfoundland.

APRIL 29 - 30, 2013

THE JOB LECTURE SERIES

A bequest from the Job family of St. John's, a historically prominent Newfoundland mercantile family, has enabled the department to finance an annual lecture series. Each year a distinguished chemist of international repute is invited to visit the department for several days. In addition to the formal lectures, this gives faculty and students the opportunity to meet intellectually and socially with some of the most prominent chemists of the day.



Helmut Schwarz

Dr. Helmut Schwarz is one of the leading international researchers in the field of molecular chemistry and is president of the Humboldt Foundation. After reading chemistry, he took his doctorate at Berlin University of Technology in 1972, completed his professorial qualifications there in 1974, and was appointed to a professorship for the theory and practice of mass spectrometry

in 1978. Dr. Schwarz has been a professor for organic chemistry there since 1983.

He has worked as visiting professor at a number of research institutions abroad including Cambridge, Canberra, Jerusalem, Lausanne, Paris and Strasbourg. Dr. Schwarz has been granted numerous awards for his work in basic research, amongst others, the International Mass Spectrometry Society's J.J. Thomson Medal in Gold, the American Chemical Society's F.H. Field and J.L. Franklin Award, the Otto Hahn Award for Chemistry and Physics, the Erwin Schrödinger Award, and the European Academy of Sciences' Blaise Pascal Medal in Chemistry.

Dr. Schwarz was one of the first new members to be accepted into the Erfurt Academy of Arts and Sciences and is a member of the German Academy of Sciences, the Academia Europaea, a corresponding member of the Göttingen Academy of Sciences, honorary member of the Learned Society of the Czech Republic,

fellow of the Institute for Scientific Information Database of Highly Cited Researchers, member of the German Academy of Engineering, foreign fellow of the Estonian Academy of Sciences, member of the European Academy of Sciences and Arts, member of the European Academy of Sciences, fellow of the American Academy of Arts and Sciences, as well as Foreign Fellow der National Academy of Sciences, India. The Israel Institute of Technology TECHNION in Haifa, the Hebrew University of Jerusalem, the University of Innsbruck, the Weizmann Institute of Science Rehovot, die ETH Zurich and Sofia University "St. Kliment Ohridski" have all awarded him honorary doctorates.

In addition to his research work, Dr. Helmut Schwarz is a busy editor and member of the editorial boards of various scientific journals and is a well-known science policy expert. From 2001-2007, he was vice president if the German Research Foundation.