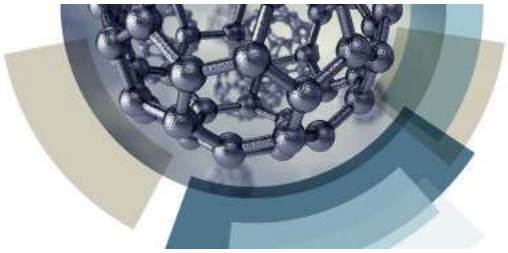
Fullerenes – Past, Present and Future



15-16 July 2015
Royal Society of Chemistry, Burlington House, UK

DRAFT PROGRAMME

Wednesday 15 July

10:00	Registration (tea and coffee will be available)
10:45	**Welcome** Robert Parker, CEO of the Royal Society of Chemistry Julie Maxton, Executive Director Royal Society **Introductions** Mark Weller, Materials Chemistry Division President Nazario Martín, Editor in Chief of *Journal of Materials Chemistry*
Session 1	Chair: Anthony Cheetham, *University of Cambridge*
11:15	**Carbon molecules in interstellar space** Sir Harold Kroto, *Florida State University*
11:40	**Chemists and physicists in the early fullerene discoveries** Donald Huffman, *University of Arizona*
12:05	**Electronic spectrum of C_{60}^+: diffuse interstellar bands becoming unravelled** John Maier, *University of Basel*
12:35	Lunch
Session 2	Chair: Michael Klein, *Temple University*
14:00	**Free-flying fullerenes** Eleanor Campbell, *University of Edinburgh*
14:25	**C_{60}: from 'time of flight' to test tube** Jonathan Hare, *University of Sussex*
14:50	**The contribution of fullerenes to organic materials and organic electronics** Fred Wudl, *University of California, Santa Barbara*
15:20	Afternoon tea
Session 3	Chair: Caroline Mellot-Draznieks, *Collège de France*
15:50	**Another big discovery: metallofullerenes** Hisanori Shinohara, *Nagoya University*

16:15 O03	**Two- and three-dimensional carbon materials: from doped graphene to graphene oxide fabrics and nanotube junctions** Mauricio Terrones, *Pennsylvania State University*
16:40	**Nanomaterials by Design** Nicole Grobert, *University of Oxford*
17:05	Flash **Formation of nanocarbon and the smallest stable fullerene** Paul Dunk, *Florida State University*
17:10	Flash **Global educational outreach for science engineering and technology** Steve Acquah, *Florida State University*
17:15	Flash **Computational modelling of fullerene and endofullerene hybrids** Chris Ewels, *Institute of Materials (IMN)*
17:20	Flash **Endohedral metallofullerenes: a versatile platform for molecular magnetism** Alexey Popov, *Leibniz Institute for Solid State and Materials Research (IFW Dresden*)
17:25	Flash **Fullerene derivative based spin-on-carbon hard masks for advanced lithographic applications** Andreas Frommhold, *The University of Birmingham*
17:30	Flash **Diamond rings or dumbbells: controlling the structure of poly(ethylene glycol)–fullerene [60] adducts by varying linking chain length** Hin Chun Yau, *Imperial College London*
17:30 - 18:30	Poster session and wine reception

Thursday 16 July

Session 4	Chair: Anthony Ryan, *University of Sheffield*
09:00	**Extraordinary attributes of 2D nanosheets of MoS_2 and other materials** C. N. R. Rao, *Jawaharlal Nehru Centre for Advanced Scientific Research*
09:25	**Soft matter science based on fullerene and carbon nano materials** Toru Maekawa, *Toyu University*
09:50	**Synthesis and applications of functionalized carbon nanoforms** Maurizio Prato, *University of Trieste*
10:15	**Chiral fullerenes from asymmetric catalysis** Nazario Martín, *Universidad Complutense de Madrid*

10:40	Morning coffee
Session 5	Chair: Paul O'Brien, *University of Manchester*
11:10	**The state-of-the-art science and applications of carbon nanotubes ~Focusing on the growth related with fullerene~** Morinobu Endo, *Shinshu University*
11:35	**Curved Carbon Nanostructures: From graphene to Fullerenes and Schwarzites** Humberto Terrones, *Rensselaer Polytechnic Institute*
12:00	**Open forum discussion**
13:00 – 14:00	Lunch