

## **Program**

**Thursday June 2, 2010**

10:00-10:10	Presentation (Fernando Langa and Nazario Martín)		
Covalent and Supramolecular Fullerene Chemistry Chair: Fernando Langa			
10:10-10:50	Plenary 1	Nazario Martín	Fullerenes and endofullerenes for organic photovoltaics
10:50-11:20	Invited 1	Naoki Aratani	Novel fullerene receptors based on multi-porphyrin Arrays
Coffe Break			
11:50-11:55	Flash 1	Javier López	Hierarchical organization of chiral microscopic ribbons from self-assembly
11:55-12:00	Flash 2	Alberto Insuasty	Hierarchical organization of 3D chiral nanostructures by cooperative H-bonding and $\pi$ - $\pi$ interactions in peptide-exTTF/fullerene systems
12:00-12:05	Flash 3	Antonio Muñoz	Preparation and self-assembly of new amphiphilic dendrofullerenes
12:05-12:10	Flash 4	María Gallego	Accessing the periphery of truxTTFs. towards self-assembled electroactive nanostructures
12:10-12:15	Flash 5	Helena Isla	exTTF-based receptors that associates fullerenes with micromolar affinity
12:15-12:20	Flash 6	Marta Izquierdo	Mild methods in the selective functionalization of fullerenes
12:20-12:35	Oral 1	Enrique Maroto	Hierarchical selectivity in fullerenes: Site, regio, diastereo and enantio control in the 1,3- Dipolar cycloaddition to [70]Fullerene
12:35-12:50	Oral 2	Ruben Caballero	Click chemistry with fullerene hexa-adducts
12:50-13:20	Invited 2	Antonio Echavarren	New strategies for the synthesis of nanographenes
13:20-14.00	Plenary 2	Giovanni Bottari	Phthalocyanine-carbon nanostructure materials assembled through supramolecular Interactions
Lunch			
Electron Transfer and Devices Chair: Pilar de la Cruz			
16:00-16:30	Invited 3	Emilio Palomares	Charge Recombination Processes and Film Morphology Relationship in Organic Solar Cells
16:30-16:35	Flash 7	Andrea La Rosa	C <sub>60</sub> -fluorene dumbbells for molecular wires
16:35-16:40	Flash 8	Carmen Villegas	Ionic heptamethine Cyanine-[60] and [70] fullerene hybrids
16:40-16:45	Flash 9	Beatriz Pelado	The first asymmetric triad C <sub>60</sub> - donor-C <sub>70</sub>

16:45-16:50	Flash 10	Juan A. Suanzes	Synthesis, electrochemical and photophysical properties of phthalocyanine-triphenylamine- fullerene (C <sub>60</sub> and Sc <sub>3</sub> N@C <sub>80</sub> ) triads
16:50-16:55	Flash 11	Olga Trukhina	Phthalocyanine-Fullerene Conjugates
16:55-17:00	Flash 12	M <sup>a</sup> José Gómez-Escalonilla	A new CNH-C <sub>60</sub> hybrid.
Coffe break			
<b>Graphenes</b> Chair: Juan Luis Delgado			
17:30-18.00	Invited 4	Rodolfo Miranda	Periodically rippled epitaxial graphene: A nanostructured form of carbon
18:00-18:30	Invited 5	Wolfgang Maser	Combining carbon nanotubes and graphene with polyaniline: Creation of highly functional and water processable nanostructured materials
18:30:18:45	Oral 3	Cristina Vallés	Flexible conductive highly reduced graphene oxide papers through thermal graphitization of graphene oxide papers
18:45-18:50	Flash 13	Laura Rodríguez	Towards functional single-wall carbon nanotubes
18:50-18:55	Flash 14	M <sup>a</sup> José Gómez-Escalonilla	Towards carbon nanotube-based gears: Cycloaddition of benzyne to SWCNT
18:55-19:00	Flash 15	M <sup>a</sup> Isabel Lucio	Synthesis and characterization of new hybrids CNHs-DENS
19:00-19:05	Flash 16	Jonathan Rodríguez	Polymerization studies of organic acceptors of the TCNQ family by STM
19:05-19:10	Flash 17	Fabiola Iacono	Chemical and morfological investigation on carbon nanotube-CdSe nanoparticles hybrid system
19:10-20.00	Poster Session		

**Friday June 3, 2010**

<b>Endohedral Fullerenes and Metal-Organic Interfaces</b> Chair: M <sup>a</sup> Ángeles Herranz			
9.00-9:40	Plenary 3	Takeshi Akasaka	New vistas in chemistry of synthetic carbon allotropes: Organic nanomaterials based on endohedral metallofullerenes
9:40-10:10	Invited 6	Josep Poblet	Maximum pentagon separation rule: A guideline for the structures of endohedral metallofullerenes
10:10-10:25	Oral 4	Yuta Takano	Synthesis and characterization of the conjugates based on La <sub>2</sub> @C <sub>80</sub> and π-extended tetrathiafulvalene
10:25-10:40	Oral 5	Michio Yamada	Tuning of electronic properties of endohedral dimetallofullerene La <sub>2</sub> @C <sub>80</sub> by exohedral chemical functionalization

10:40-11:10	Invited 7	Roberto Otero	Structural and chemical effects of charge-transfer across metal-organic interfaces
Coffe Break			
<b>Carbon Nanotubes and Carbon Nanohorns (1)</b> Chair: M <sup>a</sup> José Gómez-Escalonilla			
11:50-12:30	Plenary 4	Fernando Langa	New decorations of carbon nanotubes
12:30-13:00	Invited 8	Said Kazaoui	Semiconducting single wall carbon nanotubes applied to hybrid photovoltaic solar cells
13.00-13:15	Oral 6	Raúl García	Water-soluble exTTF-based nanotweezer hybrids with Single Wall Carbon Nanotubes
13:15-14:00	Plenary 5	Osamu Ito	Light induced electron transfer between photosensitizers and carbon nanomaterials in the supra-molecular systems
Lunch			
<b>Carbon Nanotubes and Carbon Nanohorns (2)</b> Chair: Nazario Martín			
16:00-16:30	Invited 9	Esther Vázquez	Non-conventional Techniques for the Modification of Carbon Nanoforms
16:30-16:45	Oral 7	Maria Vizquete	Interwall communication in DWCNT
16:45-17:25	Plenary 6	Masako Yudasaka	Drug Delivery Application of Carbon Nanohorns
17.25-17:40	Concluding remarks (Fernando Langa and Nazario Martín)		

\* Flash Communications do not have questions after the respective presentations. Questions will be addressed in the poster session of Thursday evening.