

Scientific Program

Tuesday June 30th 2009

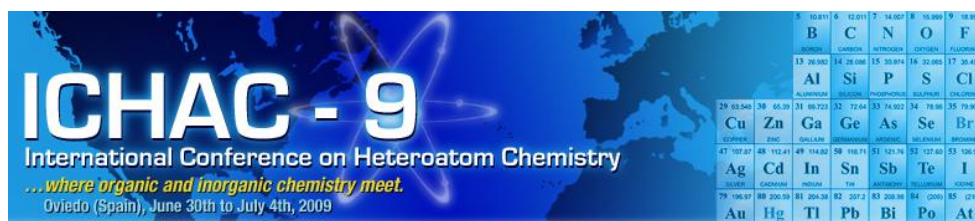
17.00-20.00	Registration
19.30-	ICHAC-9 Reception Mix

Wednesday July 1st 2009

8.45-9.15	Opening remarks	
9.15-10.00	Chairperson: Norihiro Tokitoh PL-01 Guy Bertrand (Univ. of California, Riverside, USA) Carbenes and Bent-Allenenes in Phosphorus Chemistry	
10.00-10.30	IL-01 H. V. Rasika Dias (Univ. of Texas, Arlington, USA) Metals of the Olympiad and Polyfluorinated Anions	Chairperson: Eric Block IL-02 Benjamin Davis (Univ. of Oxford, UK) Sugars and Proteins
10.30-11.00	Coffee Break	
11.00-11.30	Chairperson: Yong Tang IL-03 Santos Fustero (Univ. de Valencia, Spain) Asymmetric Tandem Reactions: New Synthetic Approaches	Chairperson: Binne Zwanenburg IL-04 Shigehiro Yamaguchi (Nagoya Univ., Japan) New Functional Organoboron pi-Conjugated Compounds
11.30-12.00	IL-05 Valentine G. Nenajdenko (Moscow State Univ., Russia) Sulflower and Other Chemical Flowers	IL-06 David Scheschkewitz (Imperial College, UK) Synthesis of Homo- and Heterocyclic Silanes via Intermediates with Si=Si bonds



12.00-13.00	OC-01 to OC-04	OC-05 to OC-08
12.00-12.15	<p>OC-01</p> <p><i>Atsushi Kawachi (Hiroshima Univ., Japan)</i></p> <p>Synthesis, Structure, and Reaction of {Tris[<i>o</i>-(fluorodimethylsilyl)phenyl]germyl}potassium</p>	<p>OC-05</p> <p><i>Zhengjie He (Nankai Univ., China)</i></p> <p>Phosphine-Mediated Olefination between Aldehydes and Allenes: a Novel Synthesis of Highly Substituted 1,3-Dienes with High <i>E</i>-Selectivity</p>
12.15-12.30	<p>OC-02</p> <p><i>Samuel Braverman (Bar-Ilan Univ., Israel)</i></p> <p>Chalcogen Halides plus Propargyl Alcohols – Surprising Reaction Pathways and Products</p>	<p>OC-06</p> <p><i>César Díez-Gil (ICMAB, Spain)</i></p> <p>New Solid-Supported Systems for Mercury Detection Based on 2,3-Diaza-1,3-Butadiene Derivatives</p>
12.30-12.45	<p>OC-03</p> <p><i>Richard S. Glass (Univ. Arizona, USA)</i></p> <p>Synthesis, Structure and Redox Chemistry of <i>m</i>-Terphenyl Thio-, Seleno- and Telluro-ethers</p>	<p>OC-07</p> <p><i>Valery K. Brel (Russian Acad. of Sci., Russia)</i></p> <p>Synthesis of Alkenes and Alcohols with Pentafluorosulfanyl (SF₅) Grouping and New Materials on the Their Basis</p>
12.45-13.00	<p>OC-04</p> <p><i>Manuel Alcarazo (Max Planck Institut für Kohlenforschung, Germany)</i></p> <p>Coordination Chemistry at Carbon</p>	<p>OC-08</p> <p><i>Toshiaki Yoshimura (Univ. of Toyama, Japan)</i></p> <p>Synthesis and Reactivities of Novel Fluoroiminosulfonium Salt</p>
13.00-14.45	Lunch Break	



5	10	11	12	13	14	15	16	17	18	19
	B	C	N	O	F					
	BOHRON	CARBON	NITROGEN	OXYGEN	FLUORINE					
13	14	15	16	17	18	19	20	21	22	23
	Al	Si	P	S	Cl					
	ALUMINUM	SILICON	PHOSPHORUS	SULFUR	CHLORINE					
29	30	31	32	33	34	35	36	37	38	39
	Cu	Zn	Ga	Ge	As	Se	Br			
	COPPER	ZINC	GALLIUM	GERMANIUM	ARSENIC	SELENIUM	BROMINE			
47	48	49	50	51	52	53	54	55	56	57
	Ag	Cd	In	Sn	Sb	Te	I			
	SILVER	CADMIUM	INDIUM	TIN	ANTIMONY	TELLURUM	IODINE			
79	80	81	82	83	84	85	86	87	88	89
	Au	Hg	Tl	Pb	Bi	Po	At			
	GOLD	MERCURY	THALLIUM	LEAD	BISMUTH	POLONIUM	ASTATINE			

14.45-15.15	Poster session and coffee	
15.15-15.45	OC-09 to OC-10	OC-11 to OC-12
15.15-15.30	Chairperson: Marian Mikolajczyk OC-09 <i>Norihiro Tokitoh (Kyoto University, Japan)</i> Syntheses, Structures, and Reactivities of Stable Carbon-substituted Disilyne and Digermyne Derivatives	Chairperson: Richard S. Glass OC-11 <i>Carlos Romero-Nieto (Univ. Castilla - La Mancha, Spain)</i> Dendrimeric Oligo(phenylenevinylene)-Extended Dithieno[3,2-b:2',3'-d]phospholes
15.30-15.45	OC-10 <i>Jeanne Crassous (Univ. de Rennes 1, France)</i> Synthesis and coordination-driven self-assembly of azahelicene-phosphole molecules to nano-size chiral π -conjugated systems	OC-12 <i>Satoshi Ogawa (Iwate University, Japan)</i> Synthesis and Redox Properties of Organic-organometallic Hybrid Molecules Containing Thiophene and Ferrocene Fragments
15.45-16.15	IL-07 <i>A. Stephen K. Hashmi (R.-K. Univ. Heidelberg, Germany)</i> Heterocycles from Gold Catalysis	IL-08 <i>Cameron Jones (Monash University, Australia)</i> Bulky Guanidines and Related Ligands for the Stabilization of Low Oxidation State Metallacycles
16.15-17.00	PL-02 <i>Takeshi Akasaka (Tsukuba Univ., Japan)</i> New Vistas in Fullerene Endohedrals: Functionalization with Compounds from Main Group Elements	
17.00	Session End Guided Tour 1W: Cathedral and city downtown Guided Tour 2W: Pre-romanesque churches at Naranco Mountain	
21.00-	Poster Session and Beer	



Thursday July 2nd 2009

8.30-9.15	Chairperson: Takeshi Akasaka PL-03 Matthias Beller (Leibniz Inst. for Catalysis, Germany) Coupling Reactions with Pd-, Ru- and Cu-catalysts: Mechanism and Industrial Applications	
9.15-9.45	IL-09 Ilan Marek (Technion- Isr. Inst. Tech, Haifa, Israel) When Simplicity Leads to Complexity	Chairperson: Yong Hae Kim IL-10 Eric Block (SUNY Albany, USA) Crushing Garlic and Onion: Use of New Instrumental Techniques to "See" Reactive Organosulfur Species
9.45-10.30	OC-13 to OC-15	OC-16 to OC-18
9.45-10.00	OC-13 Takeshi Kimura (Iwate University, Japan) Preparation of Octa(methylthio)phthalocyaninato Titanium (IV) Benzenedichalcogenate	OC-16 Wolf-W. du Mont (Univ. Braunschweig, Germany) Phosphaalkene Insertion into M-Cl Bonds leading to Amino(chloro)(metallo)ylid Functions
10.00-10.15	OC-14 Pedro J. Pérez (Univ. de Huelva, Spain) Catalytic functionalization of unreactive hydrocarbons	OC-17 Nobuhiro Takeda (Gunma University, Japan) Synthesis and Coordination Chemistry of New Phosphine Ligands Tethered with Three Sulfide Moieties
10.15-10.30	OC-15 Soichi Sato (Tokyo Metropolitan Univ., Japan) Direct Synthetic Method of Telluranyl Dication from Tellurane(IV)	OC-18 Matthew G. Hobbs (University of Calgary, Canada) Fluorinated <i>N</i> -Heterocyclic Carbenes with Improved π -Acceptor Character
10.30-11.00	Coffee Break	



11.00-12.00	OC-19 to OC-22	OC-23 to OC-26
11.00-11.15	<p>Chairperson: Magnus Rueping</p> <p>OC-19</p> <p><i>Masaaki Yoshifuji (Tokyo Institute of Technology, Japan)</i></p> <p>Catenation of P-Heterocyclic Biradical Chromophores Featuring Non-Conjugative Communication</p>	<p>Chairperson: Enrique Aguilar</p> <p>OC-23</p> <p><i>Riccardo Surmont (Ghent University, Belgium)</i></p> <p>New Synthesis of 3-Fluoropyrroles</p>
11.15-11.30	<p>OC-20</p> <p><i>G. Bouhadir (University of Toulouse, UPS, France)</i></p> <p>Complexes of Ambiphilic Ligands from Group 13 Elements: Neutral, Zwitterionic or Both?</p>	<p>OC-24</p> <p><i>Shigeru Sasaki (Tohoku University, Japan)</i></p> <p>Synthesis and Properties of Crowded Triarylphosphine-Quinone Oligomers</p>
11.30-11.45	<p>OC-21</p> <p><i>Mao Minoura (Kitasato University, Japan)</i></p> <p>Synthesis and Structure of Color-tunable Organotelluronium Salts</p>	<p>OC-25</p> <p><i>Raouf Medimagh (Université de Versailles-Saint-Quentin-en-Yvelines, France)</i></p> <p>One-pot reactions in furan series: from amination-Diels-Alder sequences to cascade multicomponent processes</p>
11.45-12.00	<p>OC-22</p> <p><i>Salvatore Filippone (Univ. Complutense de Madrid, Spain)</i></p> <p>First Enantioselective Cycloaddition of N-Metalated Azomethine Ylides onto [60]Fullerene</p>	<p>OC-26</p> <p><i>Raid J. Abdel-Jalil (Hashemite University, Zarqa, Jordan)</i></p> <p>Synthesis and <i>in vitro</i> Antitumor Activity of Some 7-Fluoro-6-(4-methyl-1-piperazinyl)-2-(thiosubstituted)-4(3<i>H</i>)-quinazolinones</p>
12.00-12.30	<p>IL-11</p> <p><i>Toshiaki Murai (Gifu University, Japan)</i></p> <p>Thioamide Dianions as Key Species Leading to Nitrogen-containing Heterocycles</p>	<p>IL-12</p> <p><i>Lechoslaw Latos-Grazyński (Wrocław University, Poland)</i></p> <p>Transformation of N-confused porphyrin triggered by insertion of boron(III), silicon(IV) or phosphorous(V)</p>
12.30-13.00	<p>IL-13</p> <p><i>David Crich (Inst. de Chimie des Substances Naturelles, Gif-sur-Yvette, France)</i></p> <p>On Thioacids and their Use in Organic Synthesis</p>	<p>IL-14</p> <p><i>Yoshihiro Matano (Kyoto University, Japan)</i></p> <p>Synthesis and Coordination Chemistry of Phosphole-Containing Porphyrins and Calixphyrins</p>

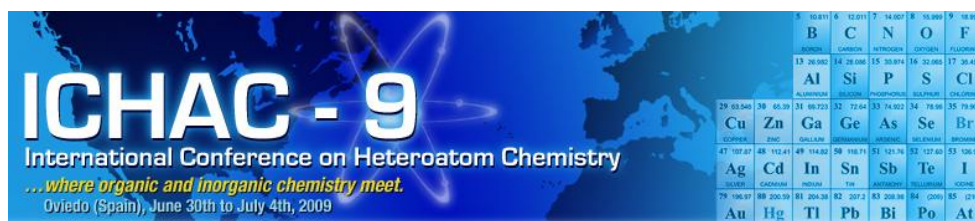


13.00-14.45	Lunch Break (ICHAC scientific committee meeting)	
14.45-15.15	Poster session and coffee	
15.15-15.45	OC-27 to OC-28	OC-29 to OC-30
15.15-15.30	<p>Chairperson: Robert E. Mulvey</p> <p style="text-align: center;">OC-27</p> <p style="text-align: center;"><i>Marian Mikołajczyk (Polish Academy of Sciences, Lodz, Poland)</i></p> <p>Asymmetric Synthesis of Aminophosphonic Acids Mediated by Chiral Sulfinyl Auxiliary: Recent Advances</p>	<p>Chairperson: Eric Block</p> <p style="text-align: center;">OC-29</p> <p style="text-align: center;"><i>Takayuki Kawashima (The University of Tokyo, Japan)</i></p> <p>Hexacoordinated Dihydrophosphanides: Structure and Hydride Reducing Ability</p>
15.30-15.45	<p style="text-align: center;">OC-28</p> <p style="text-align: center;"><i>Shigekazu Ito (Tokyo Institute of Technology, Japan)</i></p> <p>Phosphaalkenes for Gold-Mediated Activation of Acetylene Moiety</p>	<p style="text-align: center;">OC-30</p> <p style="text-align: center;"><i>Ana Isabel Aranda Pérez (Univ. de Castilla-La Mancha, Spain)</i></p> <p>Chiral π-Conjugated Phospholes: Towards New Molecular Materials</p>
15.45-16.15	<p style="text-align: center;">IL-15</p> <p style="text-align: center;"><i>Giuseppe Bartoli (Università di Bologna, Italy)</i></p> <p>Asymmetric Aminocatalysis: the Present and the Future in our Experience</p>	<p style="text-align: center;">IL-16</p> <p style="text-align: center;"><i>Koop Lammertsma (Free Univ. Amsterdam, Holland)</i></p> <p>Phosphorus as Enabling Vehicle – From Ligands to Catalysts –</p>
16.15-17.00	<p style="text-align: center;">PL-04</p> <p style="text-align: center;"><i>Tien-Yau Luh (National Taiwan Univ., Taiwan)</i></p> <p style="text-align: center;">Alternating Dialkylsilylene-Divinylarene Copolymers</p>	
17.00	<p style="text-align: center;">Session End</p> <p style="text-align: center;">Guided Tour 1T: Cathedral and downtown</p> <p style="text-align: center;">Guided Tour 2T: Pre-romanesque churches at Naranco Mountain</p>	
21.00-24.00	Gala Dinner	



Friday July 3th 2009

8.30-9.15	Chairperson: Richard S. Glass PL-05 Shengming Ma (Shanghai Inst. of Org. Chem. China) Electrophilic Reactions of Allenes and the Application in Organic Synthesis	
9.15-9.45	IL-17 Magnus Rueping (Frankfurt, Germany) Asymmetric Organocatalysis - From Biologically Inspired Concepts to Applications	Chairperson: Marian Mikołajczyk IL-18 Myong Euy Lee (Yonsei Univ., Korea) Halosilylenoids and Their Reactivities
9.45-10.30	OC-31 to OC-33	OC-34 to OC-36
9.45-10.00	OC-31 Yong Tang (Chinese Academy of Sciences, Shanghai, China) Reaction of Allylic Phosphoranes with Iron Porphyrin Carbenoids	OC-34 Birgit Muller (Freie Universität Berlin, Germany) Oxidation of Diorganyl Dichalcogenides
10.00-10.15	OC-32 Thomas Baumgartner (University of Calgary, Canada) White-light Emitting Dithienophosphole Polymers	OC-35 Masaichi Saito (Saitama University, Japan) Synthesis and Reactions of a Trianion Equivalent, the First Trilithiostannane
10.15-10.30	OC-33 Naokazu Kano (The University of Tokyo, Japan) Bond Fission of the Hypervalent S(IV)–S(II) Bond of a Sulfur-substituted Sulfurane	OC-36 Cristian O. Salas (Pontificia Univ. Católica de Chile, Chile) Gold-facilitated '6-Exo-dig' Intramolecular Cyclization of 2-(2-((2-Nitrophenyl)ethynyl)phenyl)acetic Acids: A General Access to 5 <i>H</i> -benzo[<i>b</i>]carbazole-6,11-diones
10.30-11.00	Coffee Break	



11.00-11.30	OC-37 to OC-38	OC-39 to OC-40
11.00-11.15	<p>Chairperson: Giuseppe Bartoli</p> <p>OC-37</p> <p><i>Yu.G. Gololobov (Russia Ac.Sc., Russia)</i></p> <p>Uncommon C- or N- Reactions of Cyano-Carbanions with Polynitrofluorobenzenes</p>	<p>Chairperson: Yong Hae Kim</p> <p>OC-39</p> <p><i>Masafumi Unno (Gunma University, Japan)</i></p> <p>Some More Reactions of Octasilacubane</p>
11.15-11.30	<p>OC-38</p> <p><i>Makoto Yamashita (The University of Tokyo, Japan)</i></p> <p>Syntheses of Group 4 Borylmetal Complexes and Application to Polymerization Reaction</p>	<p>OC-40</p> <p><i>Susana Porcel (University of Toulouse, UPS, France)</i></p> <p>Interaction of Phosphine-Boranes Derivatives with Singlet Dioxygen</p>
11.30-12.00	<p>IL-19</p> <p><i>Jaume Veciana (ICMAB, CSIC, Spain)</i></p> <p>Self-assembling and structuring functional materials based on tetrathiafulvalenes. From basic science to applications</p>	<p>IL-20</p> <p><i>Gregory H. Robinson (University of Georgia, USA)</i></p> <p>Stabilization of Highly Reactive Molecules</p>
12.00-12.15	IUPAC PRESENTATION	
12.15-13.00	<p>PL-06</p> <p><i>Robert E. Mulvey (Univ. of Strathclyde, UK)</i></p> <p>Synergic Surprises from Bimetallic Molecules with Alkali Metal-Heteroatom Ligand-Metal Bridges</p>	
13.00	<p>Session End</p> <p>Lunch and free afternoon</p>	
15.15-	<p>Tour visit 3: Picos de Europa National Park</p> <p>Tour visit 4: Cudillero (Fishing Village), Avilés, Gijón</p> <p>Sport Tour 5: Sella River Canoeing</p> <p>(these tours are not included in the initially published social programme)</p>	



Saturday July 4th 2009

8.45-9.30	Chairperson: José Barluenga PL-07 Nazario Martín (Univ. Complutense de Madrid, Spain) Organizing Donor-Acceptor Supramolecular Assemblies	
9.30-10.00	IL-21 Zhenfeng Xi (Pekin University, China) Synthesis of Multiply Substituted Pyrrolopyridines (azaindoles), Pyridines and Pyrroles	Chairperson: Binne Zwanenburg IL-22 Douglas B. Grotjahn (San Diego State University, USA) Heteroatoms Moving Protons: Synthetic and Mechanistic Studies of Bifunctional Organometallic Catalysis
10.00-10.45	OC-41 to OC-43	OC-44 to OC-46
10.00-10.15	OC-41 Rosenani A. Haque (Universiti Sains Malaysia) Ligand transfer reactions from silver and mercury complexes of N-heterocyclic carbenes	OC-44 Amador García Sancho (Univ. Valencia, Spain) ^F TBAF: A New Reagent for Fluoride-Mediated Deprotection
10.15-10.30	OC-42 Roland Roesler (University of Calgary, Canada) Characterization of β-B-Agostic Isomers in Zirconocene Amidoborane Complexes	OC-45 Takahiro Sasamori (Kyoto University, Japan) Synthesis, Structure, and Properties of 1,2- Bis(metallocenyl)disilenes
10.30-10.45	OC-43 Mitsuji Yamashita (Shizuoka University, Japan) Medical Materials for Earlier Finding and Curing Tumors: Syntheses and Evaluation of Sugar-Ball- Dendritic MRI Contrast Agents and Deoxybromophospha Sugars for Tumors	OC-46 Rui Galhano dos Santos (CQB/DQB – FCUL, Lisboa, Portugal) Sugars As Scaffolds In Eco-Friendly Reactions Promoted By Lanthanides Triflates



10.45-11.15	Coffee Break	
11.15-11.45	OC-47 to OC-48	OC-49 to OC-50
11.15-11.30	Chairperson: Norihiro Tokitoh OC-47 <i>Yosuke Uchiyama (Kitasato University, Japan)</i> Synthesis, Isolation, and Properties of Two Conformers of 5,10-Dihydrostibanthrenes	Chairperson: Yong Tang OC-49 <i>María Tomás-Gamasa (Univ. de Oviedo, Spain)</i> A Metal-Free Carbon-Carbon Bond-Forming Reductive Coupling between Boronic Acids and Tosylhydrazones
11.30-11.45	OC-48 <i>Mathieu Gonidec (ICMAB, Spain)</i> Synthesis and characterization of multifunctional double-decker phthalocyanine complexes	OC-50 <i>Kei Goto (Tokyo Institute of Technology, Japan)</i> Modeling of Reactive Sulfur Species Derived from Cysteine Residues Using a Primary Alkyl Steric Protection Group
11.45-12.30	PL-08 <i>Nobuaki Kambe (Osaka Univ., Japan)</i> Transition Metal Catalyzed Reaction of Alkyl Halides and Organochalcogen Compounds	
12.30-13.15	PL-09 <i>Jean Marie Lehn (Strasbourg Univ., France)</i> Perspectives in Chemistry: From Supramolecular Chemistry towards Adaptive Chemistry	
13.15-13.45	Concluding remarks	
13.45	ICHAC-9 END and Lunch	

All Plenary Lectures (PL), Odd-numbered Invited Lectures (IL) and Short Oral Communications (OC) with numbers 01-04, 09-10, 13-15, 19-22, 27-28, 31-33, 37-38, 41-43 and 47-48 will be presented at **Sala de Cámara** (Main Floor).

Pair-numbered Invited Lectures and Short Oral Communications (OC) with numbers 05-08, 11-12, 16-18, 23-26, 29-30, 34-36, 39-40, 44-46 and 49-50 will be presented at **Sala de Conferencias Nº 1** (Third Floor).