


PROGRAMME

Hour	Wednesday, 9 th September, 2009	SALA PARANINFO
8:30	Registration Paraninfo Building	
9:30	Opening Ceremony	
10:00	OPENING LECTURE Decreasing waste production by process intensification with uni and multisite catalysts <i>AVELINO CORMA – CSIC-Universidad Politécnica de Valencia (SPAIN)</i>	
11:00	COFEE BREAK – POSTER SESSION	SALA GRIS
	SESSION 1: BIOREFINERIES	Page
10:30	INVITED LECTURE Green Chemistry and the biorefinery: a partnership for a sustainable future <i>JAMES H. CLARK –University of York (UNITED KINGDOM)</i>	7
12:15	KEYNOTE COMMUNICATION Energy and chemicals from aquatic biomass: an example of the implementation of the concept of biorefinery <i>Michele Aresta and Angela Dibenedetto University of Bari - Italy</i>	19
13:00	LUNCH	
	SESSION 2: SUPERCRITICAL FLUIDS	Page
15:00	INVITED LECTURE Supercritical Fluids, green solutions for Green Chemistry <i>MARTYN POLIAKOFF –University of Nottingham (UNITED KINGDOM)</i>	
	ORAL COMMUNICATIONS	
15:45	Effective depolymerization of polyamides in supercritical alcohols for chemical recycling <i>Akio Kamimura, Kouji Kaise, Shuzo Suzuki, Yusuke Oishi, Yuki Ohara, Tsunemi Sugimoto, Kohichi Kashiwagi Yamaguchi University - Japan</i>	43
16:00	PEG radical initiated- organic reaction in dense carbon dioxide <i>Liang-Nian He, Jin-Quan Wang Nankai University - China</i>	41
16:15	Out-standing tuning of chemoselectivity in catalytic cyclocarbonylations performed in CO ₂ -expanded solvents <i>S. Ricart , D. del Moral, A. Banet Osuna, A. Cordoba, J.M. Moretó, J. Veciana, N. Ventosa ICMAB-CSIC - Spain</i>	57
16:30	Hydrogenation of unsaturated aldehydes in scCO ₂ -molecular interaction between carbonyl group and CO ₂ <i>Jinyao Wang, Ruixia Liu, Haiyang Cheng, Yancun Yu, Shuxia Cai, Fengyu Zhao Changchun Institute of Applied Chemistry - China</i>	73
16:45	COFEE BREAK – POSTER SESSION	SALA GRIS

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	SESSION 3: GREEN METRICS AND RENEWABLE FEEDSTOCKS	Page
17:15	INVITED LECTURE Key to Our Sustainable Future <i>ROBERT PEOPLES – ACS Green Chemistry Institute (USA)</i>	5
	ORAL COMMUNICATIONS	
18:00	Introducing green metrics early in process development. Comparative assessment of alternative industrial routes to Elliott's alcohol, a key intermediate in the production of resmethrins <i>Paolo Righi, Goffredo Rosini, Claudio Paolucci, Emanuela Marotta</i> <i>University of Bologna - Italy</i>	59
18:15	Long alkyl chain ethers from renewables: Telomerization vs. direct etherification <i>Andrei N. Parvulescu, Peter J.C. Hausoul, Pieter C.A. Bruijninx, Maria Arias, Robertus J.M. Klein Gebbink, Bert M. Weckhuysen</i> <i>Utrecht University – The Nederland</i>	51
18:30	New applications for bioglycerol: synthesis of oxygenated fuel additives over acid mesoporous silica <i>Marta Paniagua, Gemma Vicente, Juan A. Melero, Gabriel Morales</i> <i>Universidad Rey Juan Carlos - Spain</i>	49
18:45	Novel amphiphiles based on carbohydrates: Assessment of rheological and mesogenic properties <i>Martín Avalos, Reyes Babiano, Pedro Cintas, Antonio Gómez-Carretero, José L. Jiménez, Juan C. Palacios</i> <i>Universidad de Extremadura - Spain</i>	33
20:00	COCKTAIL. - Paraninfo Building	
21:00	Guided walking tour through the Old Town. Departure and return: Paraninfo Building	

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	SESSION 4: CATALYSIS	Page
9:00	INVITED LECTURE A key technology for Sustainable Chemistry and energy production <i>MATTHIAS BELLER – Universität Rostock (GERMANY)</i>	5
	ORAL COMMUNICATIONS	
9:45	Catalytic synthesis of phosphines <i>Delphine Julienne, Benoit Join, Stephanie Pican, Olivier Delacroix, Annie-Claude Gaumont</i> <i>Université de Caen Basse-Normandie - France</i>	39
10:00	Hydroxyapatite-supported silver nanoparticle catalyst for selective hydration of nitriles to amides in water <i>Yusuke Mikami, Takato Mitsudome, Tomoo Mizugaki, Koichiro Jitsukawa, Kiyotomi Kaneda,</i> <i>Osaka University - Japan</i>	47
10:15	Bi-functional titanosilicate with hollow structure and precious-metal combined <i>Chunfeng Shi, Bin Zhu, Min Lin, Jun Long</i> <i>Research Institute of Petroleum Processing - China</i>	67
10:30	A new technology for cyclohexanone oxime by one-step process for the amoximation of cyclohexanone <i>Bin Sun, Wei Wu, EnZe Min</i> <i>Research Institute of Petroleum Processing - China</i>	69
10:45	COFFEE BREAK – POSTER SESSION	SALA GRIS

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	SESSION 5: BIOCATALYSIS	Page
11:15	INVITED LECTURE Industrial C-C bond forming reactions by means of bio- and organo-Catalysis <i>PABLO DOMÍNGUEZ – RWTH Aachen University (GERMANY)</i>	11
12:00	KEYNOTE COMMUNICATION PURAC: Concepts for Sustainable Biobased Chemistry <i>Jordi Boireu, Paul Cordfunke</i> <i>Purac Bioquímica - Spain</i>	21
	ORAL COMMUNICATIONS	
12:30	Bacteria-produced nanocellulose – A fascinating biopolymer. Bioprocess design and application <i>Dana Kralisch, Nadine Hessler, Rainer Erdmann, Wolfgang Schmidt, Dieter Klemm</i> <i>Friedrich Schiller University - Germany</i>	45
12:45	Greener approach towards synthesis of bioactive phenolics: Use of biocatalysts and ionic liquids <i>Upendra K. Sharma, Nandini Sharma, Rakesh Kumar, Rajesh Kumar, Ramesh C. Kasana, Arun K. Sinha</i> <i>Institute Himalayan Bioresearch Technology – India</i>	65
13:00	LUNCH	
	SESSION 6: PHOTOCATALYSIS, ENERGY TECHNOLOGIES AND MOLECULAR TOPOLOGY	Page
15:00	INVITED LECTURE Photochemistry: a viable issue for "Green" Synthesis? <i>ANGELO ALBINI – Università di Pavia (ITALY)</i>	3
	ORAL COMMUNICATIONS	
15:45	Coalescence of functionalised gold nanoparticles photocatalyzed by aromatic ketones <i>M. Consuelo Cuquerella, Julia Pérez-Prieto</i> <i>Universidad de Valencia - Spain</i>	55
16:00	Sustainable chemical transformations based on the use of functional polymers under flow conditions <i>Eduardo García-Verdugo, Santiago V. Luis, M. Isabel Burguete, Belén Altava</i> <i>Universidad Jaume I - Spain</i>	37
16:15	Prediction of different parameters of solvent and catalyst free organic reactions by molecular topology <i>J. Gálvez, R. García-Domenech, M. Galvez-Llompard</i> <i>Universidad de Valencia - Spain</i>	35
16:30	COFEE BREAK – POSTER SESSION	SALA GRIS
17:00	Guided Visit To The Aljafería Palace Departure and return: Paraninfo Building	

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	SESSION 7: NEW REACTIVITIES AND SOLUTION CHEMISTRY	Page
9:00	INVITED LECTURE Exploring new reactivities for synthetic efficiency <i>CHAO-JUN LI – McGill University (CANADA)</i>	13
	ORAL COMMUNICATIONS	
9:45	KEYNOTE COMMUNICATION Physical Chemistry of organic reactions in water and ionic liquids <i>Anil Kumar</i> National Laboratory- India	25
10:15	Ionic liquids – How to convert unique properties into applications of commercial interest <i>Markus Wagner</i> Solvent Innovation GmbH - Germany	71
10:30	A green synthesis of ionogel from Fe-dextran and a room temperature ionic liquid <i>Kamalika Roy, H.Th. Wolterbeek</i> Technical University of Delft- The Netherlands	61
10:45	COFEE BREAK – POSTER SESSION	SALA GRIS
	SESSION 8: IONIC LIQUIDS	Page
11:15	INVITED LECTURE The role of phase behaviour principles for designing green processes with ionic liquids and carbon dioxide as solvent <i>CORNELIS J. PETERS – Petroleum Institute (UNITED ARAB EMIRATES)</i>	
	ORAL COMMUNICATIONS	
12:00	KEYNOTE COMMUNICATION Ionic liquids and ionic fluids as new heat transfer fluids. Science and applications <i>Carlos. A. Nieto de Castro, Maria José Lourenço, Ana Paula Ribeiro, Salomé Vieira, Elisa Langa</i> Universidade de Lisboa - Portugal	23
12:30	Development of ionic liquids as organic materials <i>TO BE CONFIRMED. Authors, please contact with labquim@iuct.com</i> <i>Luis C. Branco, Nuno Trindade, Cesar Laia, Fernando Pina</i> Universidade Nova de Lisboa - Portugal	31
13:00	LUNCH	
	SESSION 9: REACTIONS IN WATER	Page
15:00	INVITED LECTURE Palladium-catalyzed C–C bond forming reactions in aqueous media <i>CARMEN NÁJERA – University of Alicante (SPAIN)</i>	15
	ORAL COMMUNICATIONS	
15:45	A green aqueous conditioned Baylis–Hilman procedure: the first application of heterocyclic enones <i>M. Saeed Abaee, Ali Akbari, Mohammad M. Mojtahedi</i> Chemistry and Chemical Engineering Research Center - Iran	27
16:00	Reactions in supercritical water <i>Eduardo Pérez, Sunil Joshi, Amrit Johal, Walt Partenheimer, Martyn Poliakoff</i> University of Nottingham – United Kingdom	53
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	SESSION 10: GREEN CHEMICAL ENGINEERING	Page
16:45	INVITED LECTURE Recent achievements in Flow Chemistry improving Synthesis <i>IAN R BAXENDALE – Cambridge University (UNITED KINGDOM)</i>	
	ORAL COMMUNICATIONS	
17:30	A widely applicable method for measuring phase behaviour: the pressure drop in continuous flow <i>Geoffrey R. Aiken, Martyn Poliakoff</i> <i>University of Nottingham – United Kingdom</i>	29
17:45	INVITED LECTURE A green approach to process intensification in Organic Synthesis <i>GIANCARLO CRAVOTTO – University of Torino (ITALY)</i>	9
18:30	INNOVA Suschem Award (In Spanish)	
19:00	Closing Ceremony	