

PROGRAMME

Sunday, 1 July 2007

16.00	REGISTRATION: 16.00 to 18.00 (Botanical Garden)
17.30	Welcome Drinks and Opening by Prof. Karel Luyben, Dean of the Faculty of Applied Sciences <i>Chairman: Roger Sheldon, Delft University of Technology, The Netherlands</i>
18.30	BARBECUE: 18.30 to 21.00 (Botanical Garden)
21.00	CLOSING

Monday, 2 July 2007

08.00	REGISTRATION (Aula – Mekelweg 5)
08.45	Opening <i>Chairman: Roger Sheldon, Delft University of Technology, The Netherlands</i>
	<i>Green Catalytic Methods 1, sponsored by L'Oréal</i> <i>Chairman: Roger Sheldon, Delft University of Technology, The Netherlands</i>
09.00	Plenary lecture Developing practical catalysts for organic synthesis: from palladium- to iron-catalyzed processes <i>Matthias Beller, Universität Rostock, DE</i>
09.50	Development of green chemical processes catalyzed by solid heteropolyacids <i>Katsuyuki Tsuji, Showa Denko, Japan</i>
10.10	High activity of Mn-MgAl-hydrotalcite in heterogeneously catalyzed liquid-phase selective oxidation of alkylaromatics to benzylic ketones with molecular oxygen <i>Takashi Tatsumi, Tokyo Institute of Technology / Japan Science & Technology Corporation, Japan</i>
10.30	<i>Coffee / Tea Break</i>
	<i>Green Catalytic Methods 2</i> <i>Chairman: Martyn Poliakoff, University of Nottingham, UK</i>
11.00	Invited lecture: Green Chemistry Lecture Selective oxidation catalysis using supported gold and gold palladium nanoparticles <i>Graham Hutchings, Cardiff University, UK</i>
11.30	Gold mediated oxidation of alcohols: A green route to methyl esters <i>Esben Taarning, Technical University of Denmark, DK</i>
11.50	Vapor phase direct epoxidation of propylene to propylene oxide by using H ₂ O mixed gas and O ₂ as oxidants <i>Naoki Mimura, AIST, Japan</i>
12.10	Direct green synthesis of amides by aerobic oxidation of alcohol and amine mixtures <i>Søren Klitgaard, Technical University of Denmark, DK</i>
12.30	<i>Lunch</i>

13.30- 15.30	POSTER SESSION 1 (odd numbers)
14.45	<i>Coffee / Tea</i>
	<i>Green Chemistry and Pharmaceuticals, sponsored by Pharmaceutical Round Table</i> <i>Chairman: Herman van Bekkum, Delft University of Technology, The Netherlands</i>
15.30	Invited lecture Lessons learned through measuring green chemistry performance – The pharmaceutical experience <i>Richard Henderson, GlaxoSmithKline, USA</i>
16.00	Preparative SFC at the kilogram scale to support pharmaceutical development <i>William Leonard, Merck & Co, USA</i>
16.20	Biopharmaceutical process intensification: The junction of green chemistry with biotechnology <i>Milton Hearn, Monash University, AU</i>
16.40	Invited lecture Green manufacture of chiral alcohols using custom evolved biocatalysts – Replacing boron-based reducing agents <i>John Grate, Codexis, USA</i>
17.10	Invited lecture Green chemistry at Pfizer <i>Peter Dunn, Pfizer, UK</i>

Tuesday, 3 July 2007

	<i>Non-conventional Media 1</i> <i>Chairman: Isabel Arends, Delft University of Technology, The Netherlands</i>
09.00	Plenary lecture Novel catalysts for green sustainable chemistry <i>Shu Kobayashi, University of Tokyo, Japan</i>
09.50	Heterogeneous aquacatalytic asymmetric synthesis with polymeric palladium complexes <i>Yasuhiro Uozumi, Institute of Molecular Science, Japan</i>
10.10	Invited lecture, COST D29 Lecture Chemical reactions in supercritical fluids <i>Martyn Poliakoff, University of Nottingham, UK</i>
10.40	<i>Coffee / Tea Break</i>
	<i>Non-conventional Media 2</i> <i>Chairman: Istvan Horváth, Eotvos University, HU</i>
11.10	Invited lecture Green by enhanced performance: multiphase ionic liquid catalysis <i>Peter Wasserscheid, University of Erlangen-Nürnberg, DE</i>
11.40	Continuous SILP catalysis – An efficient and solvent-free concept for homogeneously catalyzed reactions <i>Anders Riisager, Technical University of Denmark, DK</i>
12.00	Development of efficient processes under flow conditions based on catalysts immobilized onto monolithic supported ionic liquid phases <i>Santiago Luis, University Jaume I/CSIC, ES</i>
12.20	One pot enzymatic resolution and separation of alcohols based on task specific ionic liquids <i>Nuno Lourenço, Universidade Nova de Lisboa, PT</i>
12.40	<i>Lunch</i>

	<p><i>Non-conventional Media 3</i> <i>Chairman: Peter Wasserscheid, University of Erlangen-Nürnberg, DE</i></p>
14.00	<p>Invited lecture Supercritical fluids as greener catalytic reaction media <i>Takao Ikariya, Tokyo Institute of Technology, Japan</i></p>
14.30	<p>The water mediated rapid and selective reactions under high pressure and high temperature conditions <i>Hajime Kawanami, AIST, Japan</i></p>
14.50	<p>Recycling of inorganic, organic and organometal catalysts via immobilization in (on) organic salts with fluorinated anions: A new approach to green sustainable processes <i>Sergei Zlotin, Russian Academy of Sciences, RU</i></p>
15.10	<p>COST D29 Lecture Mechanochemical activation and applications in solvent-free organic synthesis <i>Frédéric Lamaty, Université de Montpellier 2, FR</i></p>
15.30	<p><i>Coffee / Tea Break</i></p>
	<p><i>Process Integration and Intensification</i> <i>Chairman: Cor Peters, Delft University of Technology, The Netherlands</i></p>
16.00	<p>Invited lecture From micro devices via foam reactors to spinning disks: an exploratory expedition along new reactor technologies <i>Jaap C. Schouten, Eindhoven University of Technology, NL</i></p>
16.30	<p>An integrated approach for production of hydrogen from biomass <i>Sadashiv Swami, University of Toledo, USA</i></p>
16.50	<p>Purifying water with microreactors: Moving from microlitres to decalitres <i>Alexander Iles, University of Hull, UK</i></p>
17.10	<p>The role of green chemistry in the industrial ecology field - From science to practice <i>Gijsbert Korevaar, Delft University of Technology, NL</i></p>

Wednesday, 4 July 2007

	<p><i>Sustainability and Green Metrics</i> <i>Chairman: Saul Lemkowitz, Delft University of Technology, The Netherlands</i></p>
09.00	<p>Plenary lecture Cradle to cradle design: A new approach for molecular and conceptual design <i>Michael Braungart, Universität Lüneberg/EPEA Hamburg, DE and MBDC, USA</i></p>
09.50	<p>Metrics for comparing analytical methods <i>Jennifer Young, ACS Green Chemistry Institute, USA</i></p>
10.10	<p>Invited lecture Higher sustainability in chemistry evaluated with Eco-efficiency analysis and SEEBalance <i>Peter Saling, BASF, DE</i></p>
10.40	<p>Coffee / Tea Break</p>
	<p><i>Renewable Resources</i> <i>Chairman: Adrie Straathof, Delft University of Technology, The Netherlands</i></p>
11.10	<p>Invited lecture, sponsored by Codexis Biofuels and Shell <i>Jan van der Eijk, Shell, NL</i></p>
11.40	<p>Coupling of gas-phase glycerol processing with Fischer-Tropsch synthesis for liquid fuel production <i>Jeppe Rass-Hansen, Technical University of Denmark, DK</i></p>
12.00	<p>COST D29 Lecture Sunflower and rapeseed oil transesterification over MgO(111) nanosheet catalysts <i>Vasile Parvulescu, University of Bucharest, RO</i></p>
12.20	<p>Synthesis and chemical recycling of green polyesters using environmentally benign catalyst <i>Shuichi Matsumura, Keio University, Japan</i></p>
12.40	<p>Lunch</p>

13.30- 15.15	POSTER SESSION 2 (even numbers)
14.45	<i>Coffee / Tea</i>
	<i>Non-conventional Media and Renewables</i> <i>Chairman: Fred van Rantwijk, Delft University of Technology, The Netherlands</i>
15.15	Invited lecture, COST D29 Lecture Caprolactamium Hydrosulfate: An ionic liquid used as the reaction medium for large scale production of ϵ -caprolactam for decades <i>Istvan Horváth, Eotvos University, HU</i>
15.45	Tunable carbonaceous materials for acid catalysed reactions <i>Rafael Luque, The University of York, UK</i>
16.05	Hierarchically structured composite materials for photocatalytic water splitting <i>Leon van de Water, University of Sydney, AU</i>
17.00	<i>Departure by bus for Rotterdam – Symposium Dinner</i>

Thursday, 5 July 2007

	<p>Green Catalytic Methods 1 <i>Chairman: Ulf Hanefeld, Delft University of Technology, The Netherlands</i></p>
09.00	<p>Invited lecture Development of new generation of asymmetric hydrogenation reactions – A practical green chemistry approach <i>Xumu Zhang, The Pennsylvania State University, USA</i></p>
09.30	<p>Supramolecular strategies for easy recovery and recycling of homogeneous catalysts <i>Joost Reek, University of Amsterdam, NL</i></p>
09.50	<p>Immobilised homogeneous catalysts for sequential fine chemical synthesis <i>Aidan R. McDonald, Utrecht University, NL</i></p>
10.10	<p>Development of novel non-phenolic, halide-free insulating resins by clean epoxidation process <i>Kazuhiko Sato, AIST, Japan</i></p>
10.30	<p>Coffee / Tea Break</p>
	<p>Green Catalytic Methods 2 <i>Chairman: Roger Sheldon, Delft University of Technology, The Netherlands</i></p>
11.00	<p>Invited lecture Green chemistry for sustainable development at L'OREAL <i>Michel Philippe, L'Oreal, FR</i></p>
11.30	<p>Plenary lecture, sponsored by Monash University / ARC Special Research Centre The efficient synthesis of large and small molecules using olefin metathesis catalysts <i>Robert H. Grubbs, California Institute of Technology, USA</i></p>
12.20	<p>CLOSING CEREMONY</p>