Monday March 5

10.45	Opening NCCC XIII (Rotonde)			
11.00	**PL1 Selective Catalytic Oxidation and Reduction of Biomass-Derived Molecules in Liquid Water - Robert J. Davis -** University of Virginia			
11.45	**PL2 Bio-inspired Science and Technology for Sustainable Solar Energy Conversion - Thomas A. Moore -** Arizona State University			
12.30	Lunch (12.30-13.45) posters session I on display (Asamblea, Alegria and Oxford 22)			
	Rotonde	Sorbonne 2	Cambridge 32	Cambridge 30
	(Bio)Organic synthesis and Catalysis	***Heterogeneous Catalysis***	***Applied catalyis***	***Micro- and Mesoprous catalytic materials***
13.45	**K1 Oxidative biocatalysis: from discovery to design** *Dr. Marco Fraaije - University of Groningen*	**5 Structure and reactivity of Zn-modified ZSM-5 zeolites: the importance of clustered cationic Zn complexes** *Sami Almutairi - Eindhoven University of Technology*	**9 Tailoring the separation behavior of hybrid organosilica membranes by adjusting the structure of the organic bridging group** *Hessel Castricum - University of Amsterdam*	**13 Quantitative study of Pt/Zeolite Y catalyst by electron tomography** *Jovana Zecevic - Utrecht University*
14.10		**6 Fischer-Tropsch product selectivity, Ru versus Rh** *Ivo Filot - Eindhoven University of Technology*	**10 Elucidation of the Rate and Selectivity Controlling Mechanism in the Selective Oxidation of Ethylbenzene** *Vera Santos - TU Delft*	**14 Stable Mesostructured Aluminas with Uniform Pores through a Paired Sol-gel Alkoxide Route** *Lidia Lopez Perez - University of Groningen*
14.35	**1 Biocatalysed synthesis of fine chemicals from polyols** *Adeline Ranoux - TU Delft*	**K2 Catalysts in Action: Advances in X-ray Spectroscopy Providing New Insights Faster**	**11 Preparation of catalytic coatings on microchannel walls for industrial applications: from lab to pilot scale** *Lidia Protasova - Eindhoven University of Technology*	**15 Polyoxometalate Templated MOFs as Supports for Highly Dispersed Metal Nanoparticles: Mechanism of Templation and Catalytic Applications** *Jana Juan-Alcañiz - Delft University of Technology*
15.00	**2 Gold supported on hydrotalcites as versatile bifunctional catalysts for the tandem synthesis of methyl ester and imine** *Peng Liu - Eindhoven University of Technology*	*Prof. Moniek Tromp - TUM Munich, Germany*	**12 Kinetics and Mass Transfer Modeling of a Consecutive Reaction in Rotating Foam Reactors: selective hydrogenation of a functionalized alkyne** *Maria Leon - Eindhoven University of Technology*	**16 Synthesis of Solid Molecular Catalysts based on Covalent Triazine Frameworks** *Jens Artz - RWTH Aachen University*
15.25	**3 Metal Salen Derivatives as Catalysts for Alternating Copolymerization of Oxiranes and Anhydrides: Impressive Effects of Varying Salen Diimine Backbone, Metal Center and Cocatalysts** *Elham Hosseini Nejad - Eindhoven University of Technology*	**7 Improved Performance in MTO of SSZ-13 through Template-directed Mesopore Generation** *Leilei Wu - Eindhoven University of Technology*	**K3 Industrial Catalysis, Challenges and Opportunities**	**17 Bifunctional Core-Shell Catalysts: "Towards direct gasoline production in Fischer-Tropsch Synthesis"** *Sina Sartipi - Delft University of Technology*
15.50	**4 The Use of Haloalkane Dehalogenases for the Enantioselective Conversion of Racemic a-Bromoamides** *Wiktor Szymanski - University of Groningen*	**8 Influence of base strength on the basic catalytic properties of nano-sized alkaline earth metal oxides supported on carbon nanofibers** *Anne Mette Frey - Utrecht University*	*Dr. Peter Berben, BASF Nederland BV*	**18 Immobilisation of photocatalytic TiO2 in ceramic foam** *Tom Tytgat - University of Antwerp*
16.15	coffee/tea Poster session I: Posters with even serial numbers (Asamblea, Alegria and Oxford 22)			
18.15	Dinner (18.15 - 19.45)			
19.45	**Career Development & Opportunities** CDO lecture			

20.15	Company Market

Tuesday March 6, morning				
8.30	PL3	**Selective Transformation of Biomass and Biogenic Platform Molecules Challenges and Opportunities - Walter Leitner -** RWTH Aachen University		
9.15	PL4	**Multiphase Catalytic Reactions in Reactors Structured at the Meso-scale - Hugh Stitt -** Johnson Matthey		
10.00		Coffee/Tea (10.00-10.30)		
	Rotonde	Sorbonne 2	Cambridge 32	Cambridge 30
	Homogeneous Catalysis	***Coordination Chemistry***	***Renewables - Biomass, Hydrogen, Solar Energy***	***Tools: Theory, Spectroscopy, Model Catalysts***
10.30	19 **Rhodium-catalyzed homogeneous hydroamidation of aldehydes** *Saeed Raoufmoghaddam - Leiden University*	K4 **Supramolecular Coordination Chemistry with Poly**	27 **Humin based by-products formed during biomass processing - Potential carbonaceous source for syngas production** *Thi Minh Chau Hoang - University of Twente*	32 **Active sites in Fe/ZSM-5 for the oxidation of benzene to phenol and their deactivation** *Guanna Li - Eindhoven University of Technology*
10.55	20 **Synthesis and ethylene polymerisation studies of novel heterobimetallic aluminium pyrrolyl complexes of Group (IV) metals** *Shaneesh Vadake Kulangara - Eindhoven University of*	*Prof. Ekkehart Hahn - WWU Münster, Germany*	28 **Probing the effect of Rh nanoparticle size on photocatalytic H2 evolution in combination with (Ga1-xZnx)(N1-xOx) semiconductors** *Yi Zhang - Eindhoven University of Technology*	33 **Integrated Laser and Electron Microscopy correlates Structure of Fluid Catalytic Cracking Particles to Brønsted Acidity** *Matthia Karreman - Utrecht University*
11.20	21 **High turnover (104) room temperature manganese catalyzed epoxidation of alkenes with H2O2 – methodology and mechanism** *Jia Jia Dong - University of Groningen*	24 **Efficient Synthetic Methods for the Production of Versatile P,N-ligands** *Tom van Dijk - VU University Amsterdam*	29 **Catalytic Valorization of Isosorbide as Versatile Renewable Platform Chemical** *Marcus Rose - RWTH Aachen University*	34 **DFT study of oxygen adsorption on high-index Pt surface planes** *Tianwei Zhu - Eindhoven University of Technology*
11.45	22 **Palladium catalyzed asymmetric quaternary center formation under ambient conditions** *Aditya L Gottumukkala - University of Groningen*	25 **A facile building-block synthesis of multifunctional lanthanide MOFs** *Stefania Tanase Grecea - University of Amsterdam*	30 **Molecular aspects of Brønsted acid-catalyzed sugar conversions** *Gang Yang - Eindhoven University of Technology*	K5 **Modelling synthesis and catalytic applications of doped AlPOs**
12.10	23 **Carbenes: New building blocks for functional copolymers?!** *Nicole Franssen - University of Amsterdam*	26 **Magnesium hydride as a hydrogen storage material – the molecular "bottom-up" approach** *Julia Intemann - University of Groningen*	31 **Nanostructured ceria supported Pt and Au catalysts for the decomposition of ethanol and formic acid** *Aysegul Ciftci - Eindhoven University of Technology*	*Dr. Furio Cora- UCL Londen, UK*
12.35	Lunch (12.35-13.45) posters session II on display (Asamblea, Alegria and Oxford 22)			

Tuesday March 6, afternoon

	Rotonde	Sorbonne 2	Cambridge 32	Cambridge 30
	Heterogeneous Catalysis/Aspect	***Coordination Chemistry/Aspect***	***Renewables - Biomass, Hydrogen, Solar Energy***	***Tools: Theory, Spectroscopy, Model Catalysts***
13.45	35 **Sodium plus sulfur promoted supported iron catalysts for the selective production of lower olefins from synthesis gas** *Hirsa Torres Galvis - Utrecht (Ascpect lecture)*	39 **Mechanistic Insights in Rh-Mediated C1 polymerization** *Annemarie Walters - University of Amsterdam*	43 **Reductive dealkylation of alkyl phenyl ethers: towards practical lignin conversion** *Zea Strassberger - University of Amsterdam*	47 **In-operando EXAFS study on CuxZny/TiO2 catalyst for C-O coupling** *Faysal Benaskar - Eindhoven University of Technology*
14.10	36 **Computational study of Rh/CeO2 (111): stabilization of highly active Rh-oxide clusters for CO oxidation** *Weiyu Song - Eindhoven University of Technology*	40 **Keltan ACETM: New Generation Polymerization Catalysts for EPDM Production** *Victor Quiroga- LANXESS Elastomers*	44 **Improved hydrogen sorption kinetics in supported Mg2Cu nano-particles** *Yuen Au - Utrecht University*	48 **Morphological mysteries of ceria catalysts** *Silpha Agarwal - University of Twente*
14.35	37 **Direct effect of ceria structure on styrene production from ethylbenzene** *Marijana Kovacevic - University of Twente (Aspect lecture)*	41 **A Phosphido Oxide Pincer Complex Formed by a Unique P(O)–Ph Bond Oxidative Addition on Nickel or Palladium** *Eric Derrah - University of Toulouse*	45 **N-heterocyclic carbenes as ligands in catalytic water oxidation** *Dennis Hetterscheid - University of Amsterdam*	49 **In-situ ATR-IR studies on MgMl2 - internal donor interactions** *Ajin Verghese Cheruvathur - Eindhoven University of Technology*
15.00	38 **Propane Dehydrogenation over Pt-Sn/Al2O3: Kinetics and Mechanism** *Santiago Gomez - University of Amsterdam*	42 **Preparation and Reactivity of Late Transition Metal-Pincer Complexes for N-H Activation of Amines** *Yann Gloaguen - University of Amsterdam (Aspect lecture)*	46 **The effect of solvent addition on fructose dehydration to 5-hydroxymethylfurfural in biphasic systems over heterogeneous catalysts** *Vitaly Ordomskiy - Eindhoven University of Technology*	50 **Towards Nanoscale Vibrational Spectroscopy for Catalysis: In-situ AFM-Raman Study of SERS Effects On Supported Silver Catalyst Nanoparticles** *Clare Harvey - Utrecht University*
15.25	Coffee/Tea (15.25-15.45)			
	Rotonde	Sorbonne 2	Cambridge 32	Cambridge 30
	Homogeneous Catalysis	***(Bio) Organic Synthesis and Catalysis***	***Tools: Theory, Spectroscopy, Model Catalysts***	***Renewables - Biomass, Hydrogen, Solar Energy***
15.45	51 **A boron catalyzed aldol reaction** *Tobias Mueller - Delft University of Technology*	54 **From slow catalyst release to autocatalytic reactions** *Francesca Caprioli - University of Groningen*	57 **Employing a Ni cylindrical single crystal - D2 dissociation on step sites** *Christine Hahn - Leiden University*	60 **A novel non-noble metal catalyst for the deoxygenation of fatty acids** *Rob Gosselink - Utrecht University*
16.10	52 **Rh-mediated C1 Polymerization: Co-polymers from Functionalized and Non-Functionalized Carbene Precursors** *Alma Olivos Suarez - Universiteit van Amsterdam*	55 **Development of Semi-synthetic Enzymes via Covalent Anchoring of Organometallics to the Active Site of Serine Hydrolases** *Manuel Basauri Molina - Utrecht University*	58 **Tip-Enhanced Raman Spectroscopy, a novel approach to study a catalytic reaction in-situ** *Evelien van Schrojenstein Lantman - Utrecht University*	89 **The relevance of the anhydride reaction pathway for selective deoxygenation of stearic acid in the absence of H2** *Stefan Hollak - Wageningen UR*
16.35	53 **'Cofactor'-Controlled Enantioselective Catalysis** *Pawel Dydio - University of Amsterdam*	56 **Cu thin films for enhanced microwave assisted flow synthesis of fine chemicals at industrial scale** *Narendra Patil - Eindhoven University of Technology*	58 **Hard X-Ray Nanotomography of Catalytic Solids at work** *Ines Gonzalez - Utrecht University*	90 **Carbon Nano Fibers: Promising support material for catalytic reactions in supercritical water** *Dennis de Vlieger - University of Twente*
17.00	Membershipmeeting KNCV-section Catalysis (Cambridge 30)			
18.00	Poster session II: Posters with odd serial numbers (Asamblea, Alegria and Oxford 22)			
19.30	Conference Dinner			

Wednesday March 7, morning

	Rotonde	Sorbonne 2	Cambridge 32	Cambridge 30
	Heterogeneous Catalysis	***Homogeneous Catalysis***	***Renewables - Biomass, Hydrogen, Solar Energy***	***Tools: Theory, Spectroscopy, Model Catalysts***
9.00	**61 Modeling catalyst preparation: The structure of uncalcined copper chloride on □-alumina** *Manuel Louwerse - University of Amsterdam*	**K7 Catalytic Approaches to the Synthesis of Amides** *Prof Jonathan Williams - University of Bath,UK*	**65 Catalytic Lignin Valorization Process for the Renewable Production of Chemicals and Hydrogen** *Annelie Jongerius - Utrecht University*	**68 Microfluidic stripline NMR for tiny samples and in situ measurements** *Anna Jo Oosthoek-de Vries - Radboud University Nijmegen*
9.25	**62 A novel solid acid catalyst for transesterification** *Daniel Stellwagen - Utrecht University*		**66 Properties of (Mg,Fe)2SiO4-catalysts for indirect gasification of biomass** *Hans Fredriksson - Eindhoven University of*	**69 Kinetic study on key reaction steps in methanol-to-olefin conversion: influence of catalyst topology** *Jeroen van der Mynsbrugge - Ghent University*
9.50	**63 Reactivity of CO2 in the High Temperature Fischer-Tropsch synthesis** *Jack Fletcher - Eindhoven University of Technology*	**64 New molybdenum catalysts bearing acac-type ligands for the dehydration reaction of alcohols to olefins** *Ties Korstanje - Utrecht University*	**67 Synthesis gas production by integrated steam reforming of pyrolysis oil and methane: catalyst evaluation** *Jose Antonio Medrano Catalán - University of Twente*	**70 Structural diagnostics of nanoporous materials with two-photon excited fluorescence and second-harmonic generation imaging** *Monique van der Veen - K.U.Leuven*
10.15	Coffee/tea (10.15-10.40)			
	Rotonde	Sorbonne 2	Cambridge 32	Cambridge 30
	(Bio)Organic synthesis and Catalysis	***Heterogeneous Catalysis***	***Renewables - Biomass, Hydrogen, Solar Energy***	***Micro- and Mesoporous catalytic materials***
10.40	**71 Copper-Catalyzed Asymmetric Alkylation of Aldehydes with Grignard Reagents: Direct Access to secondary Alcohols** *Miriam Hanstein - University of Groningen*	**75 Spatial distribution of SiO2-supported Cu nanoparticles at the nanoscale: consequences on catalytic stability** *Gonzalo Prieto - Utrecht University*	**79 Catalytic valorization of humin by-products formed during biomass processing: molecular structure and chemical properties** *Ilona van Zandvoort - Utrecht University*	**K8 Chemicals from carbohydrates: the beneficial role of porous catalysts** *Prof. Bert Sels- KU Leuven*
11.05	**72 Asymmetric Conjugate Addition as Key Step in Total Synthesis of Majusculoic Acid** *Maria Bastian - University of Groningen*	**76 Catalysis at the terrace - Enhancing the external surface of zeolite nanoparticles through mild postsynthesis tools and its impact on the catalytic pyrolysis** *Maria Jesus Ortiz-Iniesta - University of Groningen*	**80 Deciphering the Photocatalytic Behavior of Zn4O Based Metal Organic Frameworks** *Hossein Khajavi - Delft University of Technology*	
11.30	**73 Asymmetric carbene reactions using a DNA-based catalyst** *Jens Oelerich - University of Groningen*	**77 Mechanism and kinetics of Metal-Organic Framework Crystallization investigated by Time-Resolved X-ray Scattering** *Maarten Goesten - TU Delft*	**81 Water Oxidation with Visible Light for Solar Energy Conversion** *Pablo Contreras-Carballada - Leiden University*	**83 NH3-SCR over Cu-SSZ-13 catalysts: a study of the active site in operando conditions** *Upakul Deka - aMaterials Innovation Institute (M2i), Delft*
11.55	**74 Selection of Catalysts in Aqueous Dynamic Combinatorial Libraries** *Hugo Fanlo Virgos - University of Groningen*	**78 Preparation of Co/SiO2 Catalysts by Freeze Drying** *Peter Munnik - Utrecht University*	**82 Electrocatalytic CO2 Reduction: the "external parameter" triangle** *C.H. Ros - TUDelft*	**84 T-site Distribution of Aluminium in Zeolites Single Crystals by Solid State NMR** *Ernst van Eck - Radboud University Nijmegen,*
12.20	Lunch (12.20-13.30)			

Wednesday March 7, afternoon				
	Rotonde	Sorbonne 2	Cambridge 32	Cambridge 30
	Homogeneous Catalysis	***(Bio)Organic Synthesis and Catalysis***	***Renewables - Biomass, Hydrogen, Solar Energy***	***Tools: Theory, Spectroscopy, Model Catalysts***
13.30	**85** **SOMO Participation in Selectivity Tuning of TiIII-Catalyzed Acetylene Cross-Dimerization Reactions** *Gennady Oshovsky - University of Amsterdam*	**87** **Highly Stereoselective Synthesis of Cyclic and Bicyclic Scaffolds via the Copper-Catalyzed Hetero-Allylic Alkylation with Cyclization or Cycloaddition Reactions** *Bin Mao - University of Groningen*	**K6** **Novel Photocatalytic systems for solar fuels**	**91** **Development of a new in situ FTIR reactor for operando studies in photocatalysis** *Birger Hauchecorne - University of Antwerp*
13.55	**86** **Use of Carbosilane Dendrimer-Immobilized bis(2-pyridylmethyl)-(S,S)-2,2'bipyrrolidine (BPBP) Ligands in Iron(II)-catalyzed C-H Oxidations and Asymmetric Olefin cis-Dihydroxylation** *David Gatineau - Utrecht University*	**88** **Enantioselective Synthesis of Tertiary and Quaternary Carbon Stereogenic Centers through Cu/Phosphoramidite-Catalyzed Allylic Alkylation with Organolithium Reagents** *Martín Fañanás-Mastral - University of Groningen*	*Dr. Herme Garcia, UPV, Valencia, Spain*	**92** **A Quantitative Electron Tomography Study of Ru particles on the interior and exterior surfaces of Carbon Nanotubes** *Heiner Friedrich - Utrecht University*
14.25	**PL5** **Catalysis Engineering of Metal Organic Frameworks - Freek Kapteijn -** Delft University of Technology			
15.10	Closing session and lecture + poster awards (Rotonde)			