Programme NCCC 2025



10:45 - 11:00	Opening NCCCXXVI by Atsushi Urakawa and Caroline Paul (Rotonde)				
11:00 - 11:50	Foundation Models chaired by A. Urakawa (TUD)				
11:50					
- 13:00					
	Rotonde	Sorbonne	Boston 17-19	Cambridge 30	
	Electrocatalysis chaired by R. Kortlever (TUD)	Heterogeneous catalysis - CO2 hydrogenation chaired by J. Xie (RUG)	Organic chemistry and organo/biocatalysis chaired by J. Reek (UvA)	Characterisation and operando studies chaired by N. Kosinov (TU/e)	
13:00 - 13:20	O1 Membraneless Electrolyzers: A Viability Study from Cell to Stack in Comparison with Commercial Systems Dr. Borah - University of Antwerp	O2 Constructing inverse CeOx/Co catalysts for enhanced low-temperature CO2 hydrogenation <i>Y.G Gao - Eindhoven University of Technology</i>	O3 Identifying peptide catalysts for Pictet-Spengler reactions via phage display <i>I.D. Jansen – University of Groningen</i>	O4 Spatiotemporal X-Ray Absorption Spectroscopy of Ni-Mg Al Mixed Oxide Catalysts During Dry Methane Reforming S Ferwerda – Utrecht University	
13:20 - 13:40	O5 Toluene hydrogenation using zero-gap PEM electrolyzer: Strategies to achieve high conversions E. Demiröz - Delft University of Technology	O6 CO2 conversion over a Ru-based dual functional material for CO2 capture and conversion and its dependence on Ru-alkali metal interactions F. Karaçoban – Wageningen University and Research Centre	O7 Asymmetric Enantio-Complementary Synthesis of Thioethers via Ene-Reductase Catalysed C-C bond formation C. Heckmann - Delft University of Technology	O8 In Situ EC-STM Study of a Roughening Gold Single-Crystal Electrode Surface by Oxidation-Reduction Cycles in Different Electrolytes S. Behjati – Leiden University	
13:40 - 14:00	O9 Manufacturing multiscale porous electrodes with nonsolvent induced phase separation for high performance redox flow battery electrodes B. Liu – Eindhoven University of Technology	O10 Spark ablation: a dry, physical, and continuous method to prepare powdery heterogeneous catalysts for CO2 methanation <i>P. Hongmanorom – UCLouvain</i>	O11 Nature-Inspired Rhythmic Processes: A Novel Route Towards Materials S.A. Runikhina – University of Groningen	O12 The Electro- Oxidation of β-O-4 Model Compounds monitored in a Chamber-Separated Cell using In Situ ATR- IR Spectroscopy S.M.K. Schwartmann – Utrecht University	
14:00 - 14:20	O13 Cation effects on caffeinated-Pt single crystal surfaces in alkaline HER	O14 Influence of Hydrophobic and Hydrophilic Carbon Supports on Iron-based Catalysts for High- Pressure Low- Temperature Reverse Water Gas Shift W.M. Meng - University of Groningen	O15 Integrated Strategy for Mild Catalytic Lignin Valorization: Selective Production of Aromatic Benzoquinones from Lignocellulosic Biomass G. Guo - University of Groningen	O16 Advanced Sample Preparation for Total Reflection X-ray Fluorescence Spectroscopy for a Correlative Micro- spectroscopic Approach K.B. Siebers - Utrecht University	

-14:40

	Rotonde	Sorbonne	Boston 17-19	Cambridge 30
	Materials chemistry chaired by A. Bansode (TUD)	Electrocatalysis - fine chemicals chaired by A. Garcia (UvA)	Biocatalysis chaired by I. Drienovska (VU)	Photocatalysis chaired by K. Wenderich (UT)
14:40 - 15:00	KN1 Diffusion in nanoporous materials: The need for speed in measurements and applications R. Ameloot - Katholieke Universiteit Leuven	O17 Sustainable electrocatalytic reductive animation of levulinic acid <i>M. Grundmann – RWTH Aachen University</i>	O18 Metal dependent activity of cupin enzymes H. Brasselet - Delft University of Technology	O19 On the Effect of Light on the CO Intermediate during CO2 Hydrogenation over a Co/TiO2 Catalyst D.N. Maaskant – Utrecht University
15:00 - 15:20		O20 Electrocatalytic C-H Amination from Primary Amines D.D. Snabilié – University of Amsterdam	O21 Asymmetric Au(I)-Enzymatic Catalysis F. Della-Felice – University of Groningen	o22 In-situ X-ray absorption spectroscopy study of the deactivation mechanism of a Ni-SrTiO3 photocatalyst slurry active in water splitting M.T. Abudukade – University of Twente
	Rotonde	Sorbonne	Boston 17-19	Cambridge 30
	Safety in chemical catalysis chaired by A. Bonsode (TUD)	Electrocatalysis chaired by A. Garcia (UvA)	Bruker workshops	VIRAN-NIOK session (for the members of VIRAN & NIOK)
15:20 - 15:40	O23 Learnings from a reactor explosion: Towards safer start-ups of catalysts systems by Willem Groendijk - Shell	O24 Titanium Carbide Hollow Fiber Electrodes: A Feasible Alternative for Platinized Titanium Hollow Fibers? T. de Koning Gans – University of Twente	Breaking New Ground in Catalysis and Spectroelectrochemistry: the new Vertex NEO-R FT-IR spectrometer by M. Kessler	A new national catalysis roadmap – status and way forward
15:40	Learnings from a reactor explosion: Towards safer start-ups of catalysts systems by Willem Groendijk - Shell	O25 Electric double layer at stepped Pt/water interface: insights from AIMD and continuum modeling J Liu – Leiden University	Raman microscopy for the spatial characterization of catalysts and catalytic reactions by F. Knechtel	A new national catalysis roadmap – status and way forward
16:10 - 18:10	Poster session A (Erasmus)			
18:10 - 20:15	Dinner, with presentation of Dutch Catalysis Roadmap (Col - VIRAN+NIOK) (Atrium)			
20:15	CDO Session (Rotonde) and KNCV career coaching (Room B9)			
09:00	PL2 N3C Award lecture cl	naired by C. Paul (TUD)		
- 09:50				
	Rotonde	Sorbonne	Boston 17-19	Cambridge 30
	Materials chemisty chaired by M.F.N d'Angelo (TU/e)	Heterogeneous catalysis - mechanism and kinetics chaired by M. Monai (UU)	Electrocatalysis chaired by P. Ngene (UU)	Characterisation and operando studies chaired by A. van Blaaderen (UU)

09:50 - 10:10	O26 3D Morphology Evolution of γ-Al2O3 Pores during Catalyst Preparation J.M.J.J. Heinrichs – Eindhoven University of Technology	O27 Unravelling the role of lattice strain on the prototypical hydrogendeuterium exchange reaction J.P. Jonasse – Utrecht University	o28 Electrocatalytic CO(2) reduction to Methanol on Pt(111) modified with a Pd Monolayer A. Wawrzyniak - Leiden University	O29 Mechanistic insights into Direct Air Capture with carbon supported K2CO3 sorbents using In Situ XRD T.G. de Groot – Wageningen University and Research Centre
10:10	o30 Airborne preparation of Cu based heterogeneous catalysts: Structural features and catalytic competitiveness G. Pampararo – Katholieke Universiteit Leuven	O31 Lignin depolymerization kinetics simulations through continuous lumping: mechanistic features in relation to β-O-4 bond cleavage <i>L.G. Garbarino - Ghent University</i>	O32 Demonstration of confinement and voltage homogeneity for stable CO2 electrolysis on copper electrodes J. Kok - Delft University of Technology	O33 Establishing Sample Preparation Protocols to Facilitate Accurate Nanoplastic Characterization L.M. Zoutendijk – Utrecht University
10:30 - 10:50	Coffee break			
	Rotonde	Sorbonne	Boston 17-19	Cambridge 30
	Biocatalysis chaired by C. Mayer (RUG)	Heterogeneous catalysis - CO2 conversion chaired by P.P. Pescarmona (RUG)	Electrocatalysis chaired by M. Koper (U. Leiden)	Computational chemistry and data science chaired by E.A. Pidko (TUD)
10:50 - 11:10	KN2 Harnessing the catalytic power of nitrogen-nitrogen bond forming enzymes for sustainable chemical synthesis S. Schmidt - University of Groningen	O34 Sustainable catalytic synthesis of fully renewable cyclic carbonates G. Berluti – University of Groningen	O35 Modular Design of Cu-S Planar Building Units in a Metal-Organic Framework for Enhanced Selectivity in Electrochemical CO2-to- Formate Conversion K. Roohi – Delft University of Technology	O36 From Catalyst Design to Reaction Testing in CO ₂ Valorization: Harnessing Big Data for Structure-Activity Correlation J.A. Mendoza Mesa - Katholieke Universiteit Leuven
11:10 - 11:30		O37 Role of Zn in enhancing CO2 hydrogenation to methanol over ZnxZrOy catalysts Z. Zanganeh - Ghent University	O38 Unveiling Dual Roles of Organic Cations in Alkaline Hydrogen Evolution Reaction: From Promotion to Suppression J. Fernández-Vidal – Leiden University	O39 Homogeneous Catalyst Design in the Digital Age: Insights from Machine Learning and Data Representation A.V. Kalikadien - Delft University of Technology
11:30 - 11:50	O40 Biocatalytic Cascades: From geraniol to enantiopure (R)-citronellal C. Ferrer Carbonell – Delft University of Technology	O41 Elucidating the Factors that Determine the Activity and Stability of In2O3-based Catalysts in CO2 Hydrogenation <i>M. Becker - ETH Zürich</i>	O42 Role of pH in the electrochemical reduction of aldehydes and formose-like reactions A. Raman – University of Twente	O43 A DFT Study of the promotion of Pd/CeO2 for CO oxidation by Surface Lattice Doping M. Li - Eindhoven University of Technology
11:50	Lunch break			
13:00 - 13:50	PL3 <i>P. Melchiorre – University of Bologna</i> Photochemistry, Organocatalysis & Enzymes: New Radical Opportunities chaired by B. de Bruin (UvA)			s: New Radical
	Rotonde	Sorbonne	Boston 17-19	Cambridge 30
	Heterogeneous	Electrocatalysis chaired	Photocatalysis and organic	Heterogeneous

	catalysis - methane activation chaired by E.T.C. Vogt (UU)	by M.C. Figueiredo (TU/e)	chemistry chaired by D. Hetterscheid (U Leiden)	catalysis - Reaction mechanism chaired by I. Vollmer (UU)
13:50 - 14:10	KN3 Demonstration and scale-up of autothermal oxidative coupling of methane to produce olefins by Pankaj Gautam (SABIC)	O44 Salt Formation and Flooding in MEA Cells for CO2 Electrolysis under Industry-Relevant Temperatures H.M. Pelzer - Delft University of Technology	O45 Preorganization within Photoactive Pt12L24 Nanospheres for Accelerated Decarboxylation Catalysis at Low Concentrations <i>R. Ham – University of Amsterdam</i>	O46 The Role of Water in Copper Zeolite Methane Oxidation <i>M.L. Bols - Ghent University</i>
14:10 - 14:30		O47 Kinetic Analysis of the Oxygen Reduction Reaction Electrocatalysis Using Advanced Transient Voltammetry <i>R.Z. Sol – Leiden University</i>	O48 Photoenzymatic biaryl formation by dual Ni/aryl ketone cross coupling <i>T.C. Böllersen – University of Groningen</i>	O49 Detection of Hydroxylamine Intermediate Opens a New Perspective on Ammonia Selectivity in Metal-Catalyzed Nitrate Reduction J. Betting - University of Twente
14:30 - 14:50	O50 Developing a Two- Stage Thermocatalytic Process to Convert CO2 into Aromatics J.J.G. Kromwijk – Utrecht University	051 On the effect of support polarity in carbon-supported nickel nanoparticles for electrocatalytic hydrogen peroxide production I.J. van Luijk – Wageningen University and Research Centre	O52 Enantioselective intramolecular cyclization of 2,3-dihydrobenzofurans using strong photoreductants <i>C.J. Nielsen – University of Amsterdam</i>	O53 Tracking Iron Dynamics in NH3-SCR Catalysis: Mechanistic Insights gained by Quasi In-Situ Mössbauer Spectroscopy D.G.J. Broens – Eindhoven University of Technology
14:50	Coffee break			
	Rotonde	Sorbonne	Boston 17-19	Cambridge 30
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	Coordination chemistry chaired by J.C. Slootweg (UvA)	Heterogeneous catalysis - depolymerisation chaired by F.J. de Zwart (ETHZ)	Electrocatalysis - in situ/operando study chaired by W. van der Stam (UU)	Homogeneous catalysis chaired by M.E. Moret (UU)
15:10 - 15:30	Coordination chemistry chaired by J.C.	Heterogeneous catalysis - depolymerisation chaired by F.J. de Zwart	Electrocatalysis - in situ/operando study chaired	Homogeneous catalysis chaired by
-	Coordination chemistry chaired by J.C. Slootweg (UvA) 054 Metal-Ligand Proton Tautomerism: The Hidden Role of Tunneling S. Melnikov – Utrecht	Heterogeneous catalysis - depolymerisation chaired by F.J. de Zwart (ETHZ) O55 Mechano-Catalytic Depolymerization of Polypropylene by Fracture of Covalent Materials A. Hergesell - Utrecht	Electrocatalysis - in situ/operando study chaired by W. van der Stam (UU) O56 Protochips electrocatalysis at realistic temperatures using liquid phase electron microscopy -	Homogeneous catalysis chaired by M.E. Moret (UU) O57 Controlled homogeneous monohydrogenation of muconic acid and muconates via Ru catalyzed transfer hydrogenation L. De Vriendt – Katholieke Universiteit

			University	
16:10 - 16:30		of HDPE and LDPE from Municipal Waste Stream Using Hydrothermal Liquefaction Process S. Chien - University of Amsterdam	O66 Surface Restructuring of Copper Electrode during CO2 Electro-reduction Revealed by In Situ Electrochemical Atomic Force Microscopy H. Wang – Utrecht University	O67 Highly Strained Tricyclic Oxanorbornenes with Uncommon Reactivity Enable Rapid ROMP for High-Performance Polyenes B.O. Grabbet - Utrecht University
16:30	Poster session B (Erasmus	s)		
18:30	Dinner (Atrium)			
20:00	Bowling tournament			
09:00		of Antwerp Transmission elealysis chaired by P.E. de Jone	ectron microscopy to understand gh (UU)	the behavior of
	Rotonde	Sorbonne	Boston 17-19	Cambridge 30
	Electrocatalysis chaired by D.M. Morales (RUG)	Heterogeneous catalysis - ammonia chaired by J.A. Faria (UT)	Electrocatalysis - mechanism chaired by R.V. Mom (U Leiden)	Sustainability and Photochemistry chaired by T. Bouwens (TUD)
09:50 - 10:10	KN5 Electrocatalytic synthesis of fertilizers M. Costa Figueiredo – Eindhoven University of Technology	O68 Metal Hydride Nanocomposite Materials as TM-free Catalysts for Ammonia Synthesis J.C. Verschoor – Utrecht University	O69 Operando Spectroelectrochemistry Elucidates the Mechanism of Molecular Electrocatalytic CO2 Reduction Catalyzed by an Iron Porphyrin A. Salamé - Leiden University	O70 High-Tech Innovations for Low- Tech Solutions: Implementing Golden Hydrogen for Off-Grid Clean Cooking and Cooling M Michiels - Katholieke Universiteit Leuven
10:10 - 10:30		O71 A Century of Data: Thermodynamics and Kinetics for Ammonia Synthesis on Various Commercial Iron-based Catalysts H Keestra – University of Twente	O72 Cation-mediated pseudocapacitance dominates the interfacial charging of α-Fe2O3(0001) in alkaline electrolyte <i>J.J.J. Eggebeen – Leiden University</i>	073 Reversible metalbinding with the flick of a light switch L. Stringer – Utrecht University
10:30	Coffee break			
	Rotonde	Sorbonne	Boston 17-19	Cambridge 30
	Computational chemisry in catalysis chaired by G. Li (WUR)	Electrocatalysis chaired by M. Altomare (UT)	Heterogeneous catalysis - bio-based materials conversion chaired by J.H. Bitter (WUR)	Photocatalysis chaired by G. Mul (UT)
10:50 - 11:10	KN6 Theory-Driven Innovation in Single Atom Alloy Catalysis: from Data and Models to Understanding and Design M. Stamatakis – University of Oxford	O74 Direct growth of nickel borides on Ni foam for enhanced electrocatalytic performance in the oxidation of 5-hydroxymethylfurfural <i>J. Hong – University of Groningen</i>	O75 Maximising cyclopentanone yields from furfural hydrogenation via catalytic and reactor synergy <i>A.S. Patil - Eindhoven University of Technology</i>	o76 Thermal- photocatalytic coupled regeneration of activated carbon filters for indoor air VOC abatement. K.S Schoofs – University of Antwerp
11:10		O77 Hybrid Electrolyzer Configuration for	O78 Selective production of biobased primary amines by	O79 New Mechanochemical

the Composition- Activity Relations in High-Entropy Alloys V.A. Mints - Imperial College Rotonde Rotonde Sorbonne Rotonde Computational chemistry chaired by N. Artrith (UU) 13:10 The Composition- Activity Relations in High-Entropy Alloys V.A. Mints - Imperial College For Anode Protection in Offshore Green Hydrogen Production via Saline Water Electrolysis K.S. Encalada Flores - Delft University of Technology For Acrolein Synthesis by Glycerol Dehydration over W03/TiO2: N, S and P Doping M. Battisti - RWTH Aachen University ye, coating layers, and operational conditions D.B. Baetens - University of Antwerp Rotonde Sorbonne Boston 17-19 Cambridge 30 Electrocatalysis chaired by K. Wenderich (UT) Saline Water Electrolysis M. Battisti - RWTH Aachen University of Antwerp Computational Chemistry chaired by N. Artrith (UU) Saeys (Ghent U) O88 Using DFT-based O89 Design of O90 Modifying a carbon- O91 Oxidative	11:30		Efficient CO2 Electrolysis A.M. Ismail - Delft University of Technology	reductive amination over atomically dispersed Pt1/S-C Y. Ding – Wageningen University and Research Centre	Synthesis of Covalent Triazine-based Frameworks for the Photocatalytic Production of H2O2 L.S. Häser – RWTH Aachen University
the Composition in High-Entropy Alloys V.A. Mints - Imperial College Rotonde Rotonde Sorbonne Rotonde Computational chemistry chaired by N. Artifith (UI) 13:10 Rotonde Computational chemistry chaired by N. Artifith (UI) 13:10 Rotonde Computational chemistry chaired by N. Artifith (UI) 13:10 Rotonde Computational chemistry chaired by N. Artifith (UI) 13:10 O88 Using DFT-based Molecular Dynamics to Understand the Helomerization of Methonal in Cobalt Complex Electrocatalysis L.Z. Zhou - University of Amsterdam 13:30 O92 Sulfur-centered Lewis Superacid on sulfated zirconium oxide enables the degradation of the polyolefins A.A. Kolganov - Delft University of Technology Technology for Anode Protection in Gracticaling Sugary (Solar University) of Antwerp (University) of Antwerp Molecular Dynamics to Understand the Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal in Cobalt Complex Electrocatalysis Chaired by E. Otto (Nethonal Cobalt Cobal	-	Insights into the Catalytic Activity of Pd and Pt Across Size Scales with the Promoting Effect of Ceria Support S.W. Bernart – Eindhoven University of	dependent structure of Pt3Ni alloy electrocatalysts and its effect on electrocatalytic activity H.J. Nagra – Leiden	to Au catalysts for the oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid <i>H.L. Nolten – Utrecht</i>	Engineered Core-Shell Au@TiO2 Photocatalysts for Enhanced Visible-Light CO2 Conversion A. Raes – University of
Rotonde Rotonde Computational chemistry chaired by N. Artrith (UU) 13:10 088 Using DFT-based Molecular Dynamics to Understand the Mechanism of COx-to-Methonal in Cobalt Complex Electrocatalysis Electrocatalysis of Amsterdam 13:30 13:30 092 Sulfur-centered Lewis superacid on sulfated zirconium oxide enables the degradation of the polyolefins A.A. Kolganov - Delft University of Technology 13:50 13:50 PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD) Electrocatalysis Electrocatalysis chaired by K. Wenderich (UT) Cambridge 30 Cambridge 30 Cambridge 30 Electrocatalysis chaired by K. Wenderich (UT) Wenderich (UT) Cambridge 30 Electrocatalysis chaired by K. Wenderich (UT) Wenderich (UT) Cambridge 30 Electrocatalysis chaired by K. Wenderich (UT) Wenderich (UT) Wenderich (UT) Wenderich (UT) Cambridge 30 Electrocatalysis chaired by K. Wenderich (UT) Wenderich (UT) Wenderich (UT) O90 Modifying a carbon-based gas diffusion layer for electrochemical CO2 reduction to multi-carbon products in acidic electrolyte K.M.R. Lawrence - Delft University of Technology O91 Oxidative conversion of cellulose-derived furanic compounds to furan-products in acidic electrolyte K.M.R. Lawrence - Delft University of Technology O92 Sulfur-centered Lewis superacid on sulfated zirconium oxide enables the degradation of the polyolefins A.A. Kolganov - Delft University of CO2 hydrogenation to formate S. Santos - Ghent University P. Mazaira Couce - Wageningen University and Research Centre PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD)	-	the Composition- Activity Relations in High-Entropy Alloys V.A. Mints – Imperial	for Anode Protection in Offshore Green Hydrogen Production via Saline Water Electrolysis K.S. Encalada Flores – Delft University of	for Acrolein Synthesis by Glycerol Dehydration over WO3/TiO2: N, S and P Doping M. Battisti – RWTH Aachen	on metallic substrates: influence of substrate type, coating layers, and operational conditions D.B. Baetens -
Computational chemistry chaired by N. Atomically-defined solid catalysts chaired by M. Saeys (Ghent U) 13:10 O88 Using DFT-based Molecular Dynamics to Understand the Mechanism of COx-to-Methonal in Cobalt Complex Electrocatalysis and in Cobalt Complex Electrocatalysis and in Cobalt Complex Electrocatalysis and Electrocatalysis and Electrocatalysis of the telomerization of isoprene with various nucleophilles J. Nikodemus – RWTH Aachen University of Amsterdam 13:30 O92 Sulfur-centered Lewis superacid on sulfated zirconium axide enables the degradation of the polyolefins A.A. Kolganov – Delft University of Technology 13:50 A.A. Kolganov – Delft University of Technology 13:50 PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD) Electrocatalysis chaired by K. Wenderich (UT) O90 Modifying a carbon-based gas diffusion layer for electrochemical CO2 relectrochemical CO2 on phosphine based solid molecular catalysts for the teleuric not multi-carbon products in acidic electrolyte R.M.R. Lawrence – Delft University of Technology O92 Sulfur-centered stability of Ru(III) single-sites in amorphous silicated as selective catalysts for the Electrocatalytic Production of H202 P. Mazaira Couce – Wageningen University and Research Centre O95 Schrock type Metathesis Catalysts: When a Nobel Prize Redomes an Industrial Reality E. Robe – XIMO Hungary PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD) 14:40 Prizes & Closure (Rotonde)	12:10	Lunch break			
Computational chemistry chaired by N. Artrith (UU) 13:10 O88 Using DFT-based Molecular Dynamics to Understand the Mechanism of COx-to-Methonal in Cobalt Complex Electrocatalysis 13:30 13:30 O92 Sulfur-centered Lewis superacid on 13:50 13:50 O92 Sulfur-centered Lewis carealyst for the degradation of the polyolefins A.A. Kolganov - Delft University of Technology D93 Exploring the stability of Technology 13:50 O94 On the Relevance of Surface Hydroxyl Groups in Carbon Catalysts for the degradation of the polyolefins A.A. Kolganov - Delft University of Technology PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Wenderich (UT) Electrocatalysis chaired by K. Wenderich (UT) Blectrocatalysis chaired by K. Wenderich (UT) Computational catalysts chaired by K. Wenderich (UT) O90 Modifying a carbon-based gas diffusion layer for electrochemical CO2 reduction to multi-carbon products in acidic electrolyte K.M.R. Lawrence - Delft University of Technology O94 On the Relevance of Surface Hydroxyl Groups in Carbon Catalysts for the Electrocatalyst for the Electrocatalystic Production of H-D2 Prizes & Closure (Rotonde) O95 Schrock type Metathesis Catalysts: When a Nobel Prize Award Becomes an Industrial Reality E. Robe - XiMo Hungary O95 Schrock type Metathesis Catalysts: When a Nobel Prize Award Becomes an Industrial Reality E. Robe - XiMo Hungary O95 Schrock type Metathesis Catalysts: When a Nobel Prize Award Becomes an Industrial Reality E. Robe - XiMo Hungary O96 Schrock type Metathesis Catalysts: When a Nobel Prize Award Becomes an Industrial Reality E. Robe - XiMo Hungary O97 Schrock type Metathesis Catalysts: When a Nobel Prize Award Becomes an Industrial Reality E. Robe - XiMo Hungary O98 Schrock type Metathesis Catalysts: When a Nobel Prize Award Becomes an Industrial Reality E. Robe - XiMo Hungary O97 Schrock type Metathesis Catalysts: When a Nobel Prize Award Becomes an Industrial Reality E. Robe - XiMo Hungary O98 Schrock type Metathesis Catalysts: When a Nobel Prize	13:10				
chemistry chaired by N. Artrith (UU) 13:10 O88 Using DFT-based Molecular Dynamics to Understand the Mechanism of COx-to-Methonal in Cobalt Complex Electrocatalysis L.Z. Zhuo – University Achien University 13:30 O92 Sulfur-centered Lewis superacid on sulfated zirconium oxide enables the degradation of Technology 13:50 O92 Sulfur-centered Lewis superacid on sulfated zirconium oxide enables the Dolyolefins A.A. Kolganov – Delft University of Technology 13:50 PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD) O90 Modifying a carbon-based gas diffusion layer for electrochemical CO2 reduction to multi-carbon products in acide electrolyte Conversion of cellulose-decirothe conversion of cellulose-decirothe conversion of cellulose-decirothe the lelectrocatalystic or the telomerization of isoprene with various nucleophiles J. Nikodemus – RWTH Aachen University of Technology O92 Sulfur-centered Lewis superacid on sulfated zirconium oxide enables the degradation of the polyolefins A.A. Kolganov – Delft University of Technology O93 Exploring the stability of Ru(III) single-sites in amorphous silica: a selective catalyst for CO2 hydrogenation to formate S. Santos – Ghent University and Research Centre O94 On the Relevance of Surface Hydroxyl Groups in Carbon Catalysts for the Electrocatalytic Production of H2O2 P. Mazaira Couce – Wageningen University and Research Centre O95 Schrock type Metathesis Catalysts: When a Nobel Prize Award Becomes an Industrial Reality E. Robe – XiMo Hungary PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD)		Rotonde	Sorbonne	Boston 17-19	Cambridge 30
Molecular Dynamics to Understand the Mechanism of COx-to-Methonal in Cobalt Complex Electrocatalysis L.Z. Zhuo - University of Amsterdam 13:30 O92 Sulfur-centered Lewis superacid on sulfated eigeradation of the polyolefins A.A. Kolganov - Delft University of Technology 13:50 PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD) Molecular Dynamics to Understand the Mechanism of COx-to-Methonal the Mechanism of COx-to-Methonal in Cobalt Compounds to furan-2,5-dicarboxylic acid A.R.H. Kenbeek - University of Amsterdam D94 On the Relevance of Surface Hydroxyl Groups in Carbon Catalysts for the Electrocatalytic Production of H ₂ O ₂ P. Mazaira Couce - Wageningen University and Research Centre PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD) 14:40 Prizes & Closure (Rotonde)		chemistry chaired by N.	catalysts chaired by M.		catalysis chaired by E.
Lewis superacid on sulfated zirconium oxide enables the degradation of the polyolefins A.A. Kolganov - Delft University of Technology PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD) Surface Hydroxyl Groups in Carbon Catalysts for the Electrocatalytic Production of H ₂ O ₂ P. Mazaira Couce - Wageningen University and Research Centre PL5 Scale-down studies for biocatalysis by John Woodley (DTU) chaired by R. Leveson-Gower (TUD) 14:40 Prizes & Closure (Rotonde)	-	Molecular Dynamics to Understand the Mechanism of COx-to- Methonal in Cobalt Complex Electrocatalysis L.Z. Zhuo - University	phosphine based solid molecular catalysts for the telomerization of isoprene with various nucleophiles J. Nikodemus – RWTH	based gas diffusion layer for electrochemical CO2 reduction to multi-carbon products in acidic electrolyte <i>K.M.R. Lawrence – Delft</i>	conversion of cellulose- derived furanic compounds to furan- 2,5-dicarboxylic acid A.R.H. Kenbeek - University of
14:40 14:40 Prizes & Closure (Rotonde)	-	Lewis superacid on sulfated zirconium oxide enables the degradation of the polyolefins A.A. Kolganov - Delft University of	stability of Ru(III) single- sites in amorphous silica: a selective catalyst for CO2 hydrogenation to formate S. Santos - Ghent	Surface Hydroxyl Groups in Carbon Catalysts for the Electrocatalytic Production of H ₂ O ₂ P. Mazaira Couce – Wageningen University and	Metathesis Catalysts: When a Nobel Prize Award Becomes an Industrial Reality E. Robe - XiMo
14:40 Prizes & Closure (Rotonde) - 15:00	13:50	PL5 Scale-down studies f	or biocatalysis by John Wood	lley (DTU) chaired by R. Leveson-	Gower (TUD)
15:00	- 14:40				
	14:40	Prizes & Closure (Rotonde	2)		
15:00 Buses to Leiden Central Station	- 15:00				