

# Cardiff Catalysis Institute – Hokkaido ICAT

Joint International Symposium on Catalysis, Jan. 2019, programme.

<b>Wednesday 16<sup>th</sup> January</b>		
12:30-1:45	<i>Lunch</i>	
1:45-2:00	<b>Graham Hutchings</b> , Cardiff Catalysis Institute	Welcome
Session 1	<i>Chair: David Willock</i>	
2:00 – 2:40	<b>Wataru Ueda</b> , Kanagawa University	Plenary: “Group 5 and 6 Complex Metal Oxide Catalysts with Porous Crystal Structures Formed by Metal-Oxo Cluster Assembling”
	<i>Chair: Kiyotaka Nakajima</i>	
2:40 – 3:00	<b>Simon Kondrat</b> , Loughborough University	“Tuning Polyol Oxidation Pathways through A Choice of Metal Oxide Supports”
3:00 – 3:20	<b>Noritatsu Tsubaki</b> , University of Toyama	“Design of New Catalysts Realizing New Catalytic Reactions in C1 Chemistry”
3:20 – 3:40	<b>Katsutoshi Nagaoka</b> , Oita University	“Tailored rare earth oxide supported Ru catalysts for utilizing renewable energy”
3:40 – 4:00	<i>Afternoon tea</i>	
Session 2	<i>Chair: Andrew Logsdail</i>	
4:00 – 4:40	<b>Andrew Beale</b> , UCL and Diamond Light source	Plenary: “Chemical imaging of catalytic materials under process conditions”
	<i>Chair: Toru Murayama</i>	
4:40 – 5:00	<b>Kenichi Shimizu</b> , Hokkaido University, ICAT	“In situ XAFS/IR/UV-vis Studies for NH <sub>3</sub> -SCR by Cu-Zeolites”
5:00 – 5:20	<b>Robert Armstrong</b> , Cardiff Catalysis Institute	“Quantitative determination of Pt-catalyzed D-glucose oxidation products using 2D NMR”
5:20 – 5:50		Poster flash presentations : 2 minutes per poster
5:50 – 7:00		Poster session
7:30		Dinner (invitation only) 7:30 pre-dinner drinks, meal from 8:00 pm.

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<b>Thursday 17<sup>th</sup> January</b>		
Session 3	<i>Chair: Jonathan Bartley</i>	
9:00 – 9:40	<b>Atsushi Fukuoka</b> , ICAT, Hokkaido University	Plenary: “Catalytic conversion of cellulose and chitin into value-added chemicals”
9:40 – 10:00	<b>David Willock</b> , Cardiff Catalysis Institute	“Cu-ZrO <sub>2</sub> catalysts: liquid phase hydrogenation using Earth abundant metals”
10:00 – 10:20	<b>Masazumi Tamura</b> , Tohoku University	“Direct copolymerization of CO <sub>2</sub> and <i>α,w</i> -diols by a combination catalyst system of CeO <sub>2</sub> and nitriles
10:20 – 10:40	<b>Nicholas Dummer</b> , Cardiff Catalysis Institute	“Converting Glycerol to Methanol and Other-value Added Products”
10:40 – 11:00	<i>Morning Coffee</i>	
Session 4	<i>Chair: Chris Kiely</i>	
11:00 – 11:20	<b>Toru Murayama</b> , Reseach Center for Gold Chemistry, Tokyo Metropolitan University	“New applications of nanoparticulate gold catalysts using solid acid support”
11:20 – 11:40	<b>Qian He</b> , Cardiff Catalysis Institute	“Electron Microscopy study of bimetallic catalysts”
11:40 – 12:00	<b>Kiyotaka Nakajima</b> , Hokkaido University, ICAT	“New Strategy for Selective Production of Furan 2,5-dicarboxylic Acid from Concentrated HMF Solutions with CeO <sub>2</sub> -supported Au Catalyst”
	<i>Chair: Noritatsu Tsubaki</i>	
12:00 – 12:15	<b>Atsushi Fukuoka</b> , ICAT, Hokkaido University	Closing remarks
Lab tours	12:30 – 13:30	Visit to the CCI Labs and break-out meetings.

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