

Final Schedule for Postgraduate Talks 16th-17th June 2016

Lecture Theatre LG.024

Thursday 16 th June	Speaker	Supervisor	Title of Talk
<i>Chair:</i>			
12.30	Isabel Vazquez Fernandez	Ken Seddon	Hydrogen bonds in pure ionic liquids and their mixtures
12.45	Brian Daly	Amilra DeSilva	Switchable receptors for sensors
1.00	Ahmed Osman	Jillian Thompson	Various catalysts for methane combustion reactions
1.15	Alex Neale	Johan Jacquemin	Ionic liquid based electrolytes for Li-air batteries and electrochemical applications
1.30	Fabio deRosa	Alex Goguet	Investigation on mixed reforming of biogas through thermal- and plasma-activated catalysis
1.45	Xianlong Li	Peijun Hu	Insight into complex catalyst system: Metal cluster and metal-oxide support
2.00	James Hogg	Martin Atkins	Polyalphaolefin synthesis using liquid Lewis acids
2.15	Darren McAtamney	Cristina Lagunas	Recovery of precious metals
2.30 - 3.00	BREAK		
<i>Chair:</i>			
3.00	Jing-Xiao Liang	David Rooney	Novel technologies for integrated biogas separation and compression
3.15	Hannah Shields	Stuart James	Reaction telescoping via twin screw extrusion involving Schiff base ligands and metal oxides
3.30	Yuwei Du	Peijun Hu	The formation of NCO species in the selective catalytic reduction of NO by hydrocarbons
3.45	Christopher Tumilson	Johan Jacquemin	Development of the oxide ion conductor Na _{0.5} Bi _{0.5} TiO ₃ (NBT) for solid oxide cells
4.00	John McCracken	Steven Bell	Preparation and application of superhydrophobic materials
4.15	Efstratios Stavrakakis	Danaii Poulidi	Electrochemical promotion of catalysis: interaction between multiple promoters
4.30	Caomhan Stewart	Alex Goguet	Bridging the gaps in analysis of in situ gas phase catalysis: SPACI FB
4.45	Gregory Gibson	Peijun Hu	Electrochemical ozone production: using DFT to study the water splitting mechanism on various catalysts

Friday 19th June	Speaker	Supervisor	Title of Talk
<i>Chair:</i>			
10.30	Lucy Hillen	David Rooney	Novel solid sorbents for CO ₂ capture
10.45	Louise Hughes	Mark Muldoon	Palladium(II) catalyzed oxidative carbonylation: synthesis of 2-alkynoates and 2-ynamides
11.00	Corina McCrellis	Johan Jacquemin	CO ₂ capture in superbasic ionic liquids
11.15	Marta Falkowska	Chris Hardacre	Neutron diffraction – a tool for investigating catalytic processes
11.30	Ronan Doherty	Haresh Manyar	Development of new heterogeneous catalysts for the hydrogenation of amides
11.45	Yuancheng Zhang	Stuart James	Mechanochemical synthesis of metal organic frameworks
12.00	Luke Burns	Andrew Mills	Measuring porosity of thin mesoporous films using QCM & investigation into the rate of photocatalytic NO oxidation
12.15	Xiaohan Liu	Andrew Marr	Integrated process for bio-alcohol treatment

12.30 – 1.30 BREAK

	Speaker	Supervisor	Title of Talk
<i>Chair:</i>			
1.30	Sesime Coffie	Gosia Swadzba-Kwasny	Developing borenium ionic liquids for Lewis acid catalysis
1.45	Nan Zhao	Johan Jacquemin	New method for the estimation of viscosity of pure and mixtures of ionic liquids based on the UNIFAC-VISCO model
2.00	Dilidaer Yusufu	Andrew Mills	Extruded colour-based plastic film for the measurement of dissolved CO ₂
2.15	Michael Ferguson	Stuart James	Understanding mechanochemical reactions at the molecular level
2.30	Rawan Hakawati	David Rooney	Applications of biogas in chemical energy and liquid fuel production
2.45	Fengjun Zhang	Peijun Hu	Selective hydrogenation of benzoic acid
3.00	Sanjay Nagarajan	Peter Robertson	Development of photocatalytic reactor technology for alternative energy applications

3.15 – 3.45 BREAK

3.45 2016 Andrews Lecture: Professor Matt Davidson

"Making Plastics and Drugs from Plants: Towards a Sustainable Bio-based Economy"

4.45 2nd year Poster Session, Wine Reception and Prizes