09.00 – 09.15: Registration, posters up, Tea, Coffee and pastries

09.15 - 09.25: Opening speech by HoS

09.25 – 09.45: Keynote speaker
Prof Phil Taylor, Deputy PVC of SAgE
Newly appointed Head of School of Engineering 01.08.17

Presentations start at 09.45

Presentations to be held in 2.21 and 2.22

Posters in 2.20

Presentations to be held in room 2.21 are as follows

Session 1: Dr Zhang & Dr Ofiteru	
Time	Name & Title
09.45	**Chris de Leeuwe** High Purity Hydrogen Production using $La_{0.6}Sr_{0.3}FeO_{3-\delta}$ via Chemical Looping
10.05	**Yuhao Ji** Uphill CO_2 separation through perovskite-carbonates membrane with the aids of copper-based oxygen carrier
10.25	**Stephen Johnston** An investigation into the stability and oxygen cycling of non-stoichiometric $YBaCo_4O_{7+\delta}$
10.45	**Maria Kazakli** Self-healing dual phase ceramic-carbonate membranes for CO_2 separation
11.05	**Liam McNeil** An Investigation of the Interaction Between Silver and Molten Salt-Ceramic Dual-Phase Membranes in Gas Separation
11.25	**Chenyang Tang** Mechanistic Study of Metal Nanoparticle Catalyst Supported on Perovskite through in Situ Exsolution
11.45	**Tarik Gerardin** Ag-Fe_2O_3 hybrid material: Silver morphological evolution and its effect on the oxygen exchange in TPR-TPO

12.05 – 12.45: Buffet lunch, refreshments and poster viewing

Session 2: Dr Novakovic & Prof Dai	
12.45	**Sotiria Tsochataridou** Mechanistic insights for a new class of CO_2 permeable membranes
13.05	**Sahr Sana** Solvent-Antisolvent Precipitation of Starch Nanoparticles in a Spinning Disc Reactor
13.25	**Luma Al-Saadi** Use of 4-Dodecylbenzenesulfonic Acid Catalyst on the Methanolysis of the Rapeseed oil in Meso- Integral Baffled Reactor
13.45	**Abdul Rehman** Synthesis of cyclic carbonates from CO_2 and renewable terpene-based limonene oxide: Batch to Continuous
14.05	**Faisal Saleem** Removal of a tar analogue from synthetic fuel gas using a non-thermal plasma dielectric barrier discharge reactor

14.25 – 14.40: Tea and Coffee break and poster viewing

Session 3: Dr Velasquez-Orta & Dr Mijajlovic	
14.40	**Safaa Ahmed** Scalability of oscillatory baffled reactors
15:00	**Ahmed Al-Hatrooshi** Marine Waste Biorefinery
15:20	**Mohamad Gunam Resul** Epoxidation of Terpenes using Continuous meso-scale Oscillatory Baffled Reactors
15:40	**David Okot** Briquetting of waste biomass for pyrolysis
16.00	**Phuet Prasertcharoensuk** High Temperature Pyrolysis of Waste Wood for Hydrogen Production and Products characterisation
16.20	**Laura Diaz Silvarrey** Advanced pyrolysis of polypropylene (PP) for monomer recovery
16.40	**Jonathan Harris** Investigating non-thermal plasma as a means of upgrading bio-oil model compounds

Finish 17.00

Presentation sessions to be held in room 2.22 are as follows:

Session 1: Dr Phan & Dr Mamlouk	
Time	Name & Title
09.45	Abbas Al-Gburi Using combined novel nanostructured materials and electrostatic techniques for demulsification of water-in-crude oil emulsions
10.05	Mike Pugh Susceptibility to Stress Corrosion Cracking and Hydrogen Embrittlement of Stainless Steel Nuclear Fuel Pin Cladding
10.25	Chinyelumndu Nwosu Nonlinear Chemical Dynamics in the Carbonylation of Functionalised Poly (ethylene glycols)
10.45	Mohammed Kadhim Nonlinear Chemical Dynamics in the Carbonylation of Functionalised Poly (ethylene glycols)
11.05	Khalil Hassan Feasibility of utilising nickel nanowires immobilised on silica aerogels for CO_2 capture
11.25	Anca Mitchell The Single Cell Dynamics of Engineered Microbial Populations in Large Scale Production of Heterologous Proteins
11.45	Wissam Muhsin Modelling and Optimal Operation of a Crude Oil Hydrotreating Process with Atmospheric Distillation Unit Utilising Bootstrap Aggregated Neural Networks

12.05 – 12.45: Buffet lunch, refreshments and poster viewing

Session – 2 Dr Yu & Dr Russo	
12.45	Micael Karlberg Investigation of primary sequence based descriptors for increased product understanding in bioprocess development of monoclonal antibodies
13.05	Andre Guerra Bioprocess Monitoring and Supervision using Multi-Agent Systems
13.25	Anne Barrett Characterisation and discrimination of clinically significant members of the *Mycobacterium chelonae* clade
13.45	Halim Bin Md Ali In-situ FTIR Studies of the Non-thermal Plasma Reduction of CO_2
14.05	Zeinab Mashhadani The production of methane, acetone, “cold” CO and oxygenated species from isopropyl alcohol in a non-thermal plasma: an in-situ FTIR study

14.25 – 14.40: Tea and Coffee break and poster viewing

Session – 3: Dr Oila & Dr Wang	
14.40	**Swee Su Lim** A study of electron transfer in hydrogen-producing biocathodes of electrolysis cells
15.00	**Paniz Izadi** Making valuable chemicals from carbon dioxide reduction using Microbial electrosynthesis (MES)
15.20	**Hang Xiang** Development of Novel Catalysts for CO_2 Electrochemical Reduction
15.40	**Salihu Musa** Cost Effective Biodiesel Production from Microalgae by Oil Extraction in a Foam Column
16.00	**Muayad Alkarawi** Bubble-microalgae collision and adhesion probability and flotation kinetics in foam flotation column
16.20	**Abbas Umar** CO_2 Mitigation Using Microalgae Bio-composite

Finish 17.00