

DAY 1 – TUESDAY 22nd MAY 2018

Time	Location	Event	Title	Speaker
09:50	EMB 3021	Welcome	Welcome	Prof Alan Smith
Session 1 – Professor Chris Sammon				
10:00	EMB 3021	Talk 1	Acoustic Emission monitoring: listening to your structures	Dr Jonathan Scholey
10:20	EMB 3021	Talk 2	Non-destructive evaluation and mechanical properties of novel lithium aluminosilicate glass-ceramics for dental applications	Zaid Ghalib Abdulkadhim Abdulkadhim
10:40	EMB 3021	Talk 3	Getting better makes you worse	Alex Crombie
11:00	EMB 3021	Talk 4	Emergency ship hull repair using a swarm of autonomous underwater robots	Matthew Samuel Haire
11:20	HA STEM Centre	Break		
Session 2 – Dr David Asquith				
11:40	EMB 3021	Talk 5	Design of novel microreactors for continuous synthesis of metal nanoparticles	Dr Kejun Wu
12:00	EMB 3021	Talk 6	Framework for embedding strategic use of simulation-optimisation technologies in supply chain management	Ranjika Gunathilaka
12:20	EMB 3021	Talk 7	Stationary shoulder friction stir welding as a potential repair technique for military helicopters	Emma Puckrin
12:40	EMB 3021	Talk 8	Elevator Pitch for Posters	
13:00	HA STEM Centre	Lunch & poster viewing session		
Session 3 – Dr Nick Farmilo				
14:00	EMB 3021	Talk 10	Wavelet spectral testing: application to nonstationary circadian rhythms	Jessica Hargreaves
14:20	EMB 3021	Talk 11	Radiation effects in high-level nuclear waste glasses	Prince Rautiyal
14:40	EMB 3021	Talk 12	Developments in thermal imaging for monitoring respiration airflow to diagnose apnoea	Muhammad Usman
15:00	EMB 3021	Talk 13	Comparative bank financial risk management models in Fintechs and Challenger banks	Kun Zhao
15:20	EMB 3021	Talk 14	Modelling and simulation of an industrial evaporating process	Qingbo Meng
15:40	EMB 3021	Talk 15	Path planning for mobile robots in dynamic environments: deformation retracts	Tajudeen Badmos
16:00 – 18:00		Break until Professorial Lecture (poster judging for judging panel)		
18:00	Stoddart 7140	Refreshments prior to the Professorial Lecture		
18:30	Stoddart 7140	Inaugural Professorial Lecture (places must be booked for this event)	Medical engineering: non-invasive solutions to aid diagnosis, monitoring and assessment	Prof. Reza Saatchi
19:30	Stoddart 7140	Wine and nibbles		
20:30		Close		

DAY 2 - WEDNESDAY 23rd MAY 2018

Time	Location	Event	Title	Speaker
Session 4 – Professor Doug Cleaver				
09:40	EMB 3021	Talk 1	Evaluation and comparison of QoS in IEEE 802.11ac and 802.11n wireless protocols	Abdussalam Salama
10:00	EMB 3021	Talk 2	Development of Raman Spectroscopy to measure aerosols of respirable crystalline silica collected on filters from inside respiratory equipment	Peter Stacey
10:20	EMB 3021	Talk 3	Induction assisted laser metal deposition of crack sensitive alloys	Josh Barras
10:40	EMB 3021	Talk 4	A simulation study to identify launch perturbations affecting trajectory consistency in small spin stabilised projectiles	Stoyan Kostadinov
11:00	HA STEM Centre	Break		
Session 5 – Professor Papken Hovsepian				
11:20	EMB 3021	Talk 5	The design and development of an automated flake drum dryer	Pan Wen
11:40	EMB 3021	Talk 6	Exploring stellar helium burning with gamma-ray beams and active target detectors	Dr Robin Smith
12:00	EMB 3021	Talk 7	Life after a PhD	Dr Steve Dodds
12:20	EMB 3021	Talk 8	Close of event and prizes	
13:00	HA STEM Centre	Lunch & poster viewing session		