

School of Engineering and Informatics
PhD Symposium and PG Poster Exhibition
30th of July 2019

Detailed Schedule of Events

08:30- 9:15 | Welcome, Tea and Coffee | Chichester LT Foyer

9:15-10:15 | Session 1: Engineering 1st Year Presentations | Chichester LT

(5 minutes each + 2 minutes for questions and handover)

Chair: Dr. Mark Puttock-Brown

	Name		Title
1	Emma	Fox	Axial Throughflow Ingestion in Rotating Cavities of Gas Turbine HP Compressors
2	Peiying	Sun	Time-dependent hemodynamics in an LVAD assisted cardiovascular system (TBC)
3	Alireza	Sarmadian	Thermal management of a Spray Cooling system for light-duty Vehicles
4	Alexander	Staufenbiel	Research opportunities in the field of Terramechanics
5	Xiaomin	Meng	Reconfigurable Reflectarray metasurface as a Smart Relay for 5G-and-Beyond Wireless Communication
6	Ferheen	Ayaz	A blockchain based incentive and reputation management in information dissemination in VANET
7	Georgios	Voulgaris	Water detection using computer vision, a neural networks approach

10:15- 11:00 | Poster Session + Refreshment Break | Future Technologies Lab

11:00- 12:15 | Session 2

11:00- 12:15 | Session 2A: Informatics 1st Year Presentations | Chichester LT

(5 minutes each + 2 minutes for questions and handover)

Chair: Dr. Novi Quadrianto

	Name		Title
8	Myles	Bartlett	Unsupervised adversarial representation learning
9	Nestor	Prieto Chavana	Supporting Sub-Editing Through Automated Fact Checking
10	Chris	Robinson	Bayesian Network Structure Learning

11	Sara	Romiti	Causality in Computer Vision
12	Bradley	Butcher	Using Bayesian Networks in the Wild: Confidence, Sufficiency and Synthesis
13	Amir	Naseredini	An Introduction to Rowhammer
14	Amani	Ibraheem	Network Slicing in 5G Vehicular Networks
15	Norbert	Domcsek	Autonomous robot navigation using insect inspired strategies
16	Stefan	Meyer	Wavelet Neural Networks For Visual Navigation Of Insects
17	Winnie	Lai	Identifying the Neural Circuits Underlying Optomotor Control in Larval Zebrafish

11:00- 12:15 | Session 2B: Engineering 3rd Year Presentations | Future Technologies Lab

(12 minutes each + 3 minutes for questions and handover)

Chair: Dr. Spyros Skarvelis-Kazakos

	Name		Title
18	Adam	Koscso	Analysis of Dynamic Characteristics and Their Sensitivities for Anisotropy Mistuned Bladed Disks with Friction Contact Interfaces
19	David	Scholtz	How Does New Understanding of the Yielding Behaviour of Dimpled Steel Change Yield Stress Identification and Prediction of the Strengthening due to the UltraSTEEL Process?
20	Ahmad	Bin Mustaffa	Design Optimisation of Circumferential Casing Groove for Stall Margin Improvement in a Transonic Compressor Rotor
21	Victor	Ocheri	Highly Mobile Millimetre Wave Connectivity for 5G Vehicular Communication Applications.
22	Julio	Costa	Amorphous Oxides for the fabrication of novel flexible sensors

12:15- 13:45: Buffet Lunch | Chichester LT Foyer

13:45- 15:15 | Session 3

13:45- 15:15 | Session 3A: Informatics 1st Year Presentations | Chichester LT

(5 minutes each + 2 minutes for questions and handover)

Chair: Prof. Anil Seth

	Name		Title
23	Philipp	Kaniuth	Comparing Behavioural Measures of Intentional Binding

24	Guillaume	Corlouer	Granger causality on ECoG data
25	Fernando	Rodriguez Vergara	Communication in Minimal Agents
26	Filippo	Torresan	Predictive Processing and Mental Action
27	Alberto	Mariola	Investigating the neural and phenomenological consequences of manipulating beliefs about reality
28	Mona	Jubran Alshahrani	Leveraging Blockchain as Decentralized Technology in the Field of Higher Education in Selected Saudi Arabia Universities
29	Yahya	Alqahtani	To investigate the adoption of mobile applications to improve the quality of services in Saudi e-commerce.
30	Sara	Bandar Alharbi	Designing a mobile learning application by integrating Universal Design for Learning principles and digital storytelling.
31	Jonathon	Peasley	Mechanical Metamaterials and their applications in soft robotics.

13:45- 15:15 | Session 3B: Informatics 3rd Year Presentations | Future Technologies Lab

(12 minutes each + 3 minutes for questions and handover)

Chair: Dr. Martin Berger

	Name		Title
32	Mathias	Ciliberto	Complex gesture recognition using Template Matching Methods: training, optimization and applications.
33	Christopher	Inskip	Demographic Inference on Social Media
34	Harold Pancho	Elliot	Building Program Logics for Meta-Programming Languages
35	Luca	Giacomoni	An actor-critic approach to congestion control
36	Vasileios	Klimis	Context-Sensitive Partial Order Reduction for Software-Defined Networks
37	Nicholas	Baron	A Novel Kinetically Redundant Planar Parallel Robot Manipulator with Full Rotatability

15:00-15:30 | Refreshment Break | Chichester LT Foyer

15:30-16:30 | Session 4 Informatics 1st Year Presentations | Chichester LT

(5 minutes each + 2 minutes for questions and handover)

Chair: Prof. Judith Good

	Name		Title
38	Grazia	Ragone	Autism and Motor Features: Exploring the Relationship between Autism and Movement through an interactive environment (video presentation).

39	Chinmay	Rajguru	Shaping sound like we do with light
40	Qifan	Shu	Towards a smarter home with mixed reality
41	Yuanyan	Zhao	Acoustic Gradient Index Lens by Metamaterials
42	Christabel	Choi	Actively Tuneable Spatial Sound Modulators (SSM)
43	James Arthur	Hardwick	Acoustic Metamaterial Lenses for 40kHz Ultrasound Fabricated with Consumer 3D-printers
44	Giorgos	Christopoulos	Spatial sound modulators based on optimally encoding acoustic metasurfaces
45	Oliver	Benton	Using Machine Learning techniques to Acoustically cloak objects
46	Giada	Brianza	"Magic mirror on the wall, are we biased by smell at all?" Investigation on how smell influences our body image perception and possible applications for patients with body image disturbances.

16:30 - Onwards | Social and Refreshments | Chichester LT Foyer + Future Technologies Lab