

Christmas Conference 2016

Posters

Number	Name	Department	Title	Layout
1	Elnaz Shafipour	Computing and Communications	A Coordination Procedure for Improving the Flow of Emergency Vehicles	Landscape
2	Ikechukwu Ukaegbu	Engineering	Integrated Radiation Imaging and Surface Penetrating Radar System	Landscape
3	Jack Garnett	Lancaster Environment Centre	What is the role of sea ice in contributing chemical pollutants to the Arctic marine foodweb?	Landscape
4	Joshua Gittins	Lancaster Environment Centre	Agricultural Interventions: Do they work?	Landscape
5	Nilihan Sanal	Psychology	Brightness-Weight Correspondence in Young Infants Perception of Causal Events	Landscape
6	Chiemela Victor Amaechi	Engineering	Characterization behaviour of Novel Composite Deepwater Risers	Landscape
7	Chloe Newbury	Psychology	Processing of false memories in the right and left hemisphere	Landscape
8	Hannah Wilson	Psychology	Are darker objects heavier than brighter objects?	Landscape
9	Holley Goodban	Computing and Communications	World of Warcraft: An exploratory study	Landscape
10	Laura Hanks	Physics	GaSb/AlGaSb: The unknown sibling of GaAs/AlGaAs	Landscape
11	Rachael Smith	Chemistry	Raman Spectroscopic Analysis Of Single Cells	Landscape
12	Rebecca Iversen	Psychology	Why do young children find switching rules so difficult?	Landscape
13	Yasmin Ara	Lancaster Environment Centre	"Liveability" in a worlding city: Built environment and its lived experience in urban low-income settlements	Landscape
14	Gillian Francey	Psychology	Assessing how event structure influences 7-11 year olds' resolution of ambiguous pronouns	Landscape
15	Han Ke	Psychology	Stability and change in the neural correlates of perceiving human bodies during childhood: an ERP study of the body-inversion effect	Landscape
16	Ibitoye Adelusi	Engineering	Novel Electrodes for Large Scale Flow Battery Energy Storage Systems Incorporating Fluidised Bed of Microparticles	Landscape
17	James Keen	Physics	Study of InAs/InAsSb superlattice LEDs for gas sensing	Landscape
18	Laura Deeptose	Lancaster Environment Centre	What can stalagmites reveal about climate change during the Neanderthal demise?	Landscape
19	Mounir Takriti	Lancaster Environment Centre	Mapping methane emissions using a mobile isotopic gas analyser	Landscape
20	Ofogh Tizno	Physics	Design and fabrication of a Novel Memory Device	Landscape
21	Rebekah Beesley	Psychology	The contribution of Epilepsy Specialist Nurses (ESNs) to paediatric epilepsy services.	Landscape
22	Becky Pattinson	Mathematics and Statistics	How can we measure care of the elderly in Brazil? A Multilevel Structural Equation Modelling approach.	Landscape

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23	Dobromil K Duda	Engineering	Autonomous Mobile Robotic Systems For Remote Handling And Decommissioning	Portrait
24	Eleni Fitsiou	Chemistry	Molecular dynamics simulations of the extracellular loops of tight junction proteins	Portrait
25	Emma Mills	Psychology	Effects of word reading ability, frequency, length and imageability on adult learners relative to typically developed and dyslexic adult readers.	Portrait
26	Gustaf Degen	Lancaster Environment Centre	Exploiting variation in the regulation of carbon assimilation to improve wheat productivity	Portrait
27	Henry Banks	Chemistry	Efficient Light Harvesting using Carbocyanine Dyes in Langmuir Blodgett monolayers	Portrait
28	Jonathan Griffin	Lancaster Environment Centre	cpRNA Proteins: Novel Candidates for Environmental Control of Photosynthesis	Portrait
29	Shahin Nikman	Chemistry	A Comparison of Sealed and Air Zinc-anode Batteries	Portrait
30	Anita Crompton	Engineering	Could flame detectors be the answer to locating alpha contamination	Portrait
31	Antony Scott Trotter	Psychology	Multiple natural language cues assist the processing of hierarchical structure	Portrait
32	Carley Martin	Physics	Cassini Magnetometer Measurements of Non-Periodic Waves on Saturn's Current Sheet	Portrait
33	Ciara Pike-Burke	Mathematics and Statistics	Optimistic planning for knapsacks for question selection	Portrait
34	Craig Armstrong	Chemistry	Cobalt(II) Azole-Pyridine Complexes for an All-Cobalt Non-Aqueous Redox-Flow Battery	Portrait
35	Ilokugbe Ettah	Chemistry	Exploring protein conformational stability using Raman spectroscopy and 2D-correlation moving windows.	Portrait
36	Theo Noble	Physics	Quantitative Force Microscopy Measurements of Quantum Turbulence.	Portrait
37	Thomas Britten	Chemistry	The development of new synthetic methodologies to aid drug discovery	Portrait
38	Yunus Abdulhameed Abdussalam	Physics	Microvascular blood flow dynamics in subjects with multiple malaria incidences	Portrait
39	Charles Gell	Chemistry	Rotaxanes as Sensors for Biologically Relevant Molecules	Portrait
40	Marjan	Physics	Suppression of phonon transport in Christmas tree molecules	Portrait
41	Rebecca Gray	Physics	Seeing Double: Jump-starting Jupiter's Second Auroral Oval	Portrait
42	Ali Ismael	Physics	Mechanical Control of Thermopower in the Endohedral Fullerene Sc ₃ N@C ₈₀	Portrait
43	Ann Kretzschmar	Lancaster Environment Centre	The Pot of Gold at the end of the Rainbow - assessing raingauge information content using reverse hydrology	Portrait
44	Sam Pitman	Engineering	ProBE: Proton Boosting Extension for Imaging and Therapy	Portrait

Faculty of Science & Technology

Christmas Conference 2016

PhD Talks Timetable

Tuesday 20th December, 11.15am - 12.15pm

Management School Lecture Theatre 1

Time	Speaker	Department	Title
11:15	Adeayo Sotayo	Engineering	Development and Characterisation of Novel Structural Composites from Recycled Materials
11:19	Izaak Fryer-Kanssen	Chemistry	Computational investigations of ligand selectivity for the Ln(III)/An(III) separation process
11:23	Christopher Woodhead	Physics	Improving the extraction of light from semiconductor materials
11:27	Charlie Gell	Chemistry	Novel Rotaxanes for the Enantioselective Binding of Chiral Anions
11:31	Nathan Magnall	Lancaster Environment Centre	Towards a universal model for lava flow emplacement
11:35	G.C. Deepak	School of Computing & Communications	Spectrum Sharing Systems for Improving Spectral Efficiency in 5G Telecommunication
11:39	Hattie Serocold	Mathematics & Statistics	Rigidity of frameworks with coordinated bars
11:43	Joao Paulo Pennacchi	Lancaster Environment Centre	Enhancing Photosynthetic Capacity and Energy Conversion Efficiency in Wheat
11:47	Ibitoye Adelusi	Engineering	Novel Electrodes for Large Scale Flow Battery Energy Storage Devices
11:51	Narjes Kheirabadi	Physics	Graphene, Laser and so on
11:55	A presentation from undergraduate Engineering students on the electric racing car project		
12:05	Prize awarded for the 'best question' prize		

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Energy Futures: captures, use and impact

Tuesday 20th December, 9.00am - 4.30pm

Management School Hub

Time	Speaker	Title	Location
09:10	Professor Jamshed Anwar <i>Associate Dean for Research</i>	Welcome	LT1
09:20	Professor Harry Hoster <i>Professor & Director of Energy Lancaster</i>	Welcome	LT1
Session One			
09:30	Andy Kerridge <i>Chemistry</i>	Finding a needle in a radioactive haystack: computational simulations of heavy element covalency	LT1
09:55	Sam Murphy <i>Engineering</i>	Building a bottle for the sun	LT1
10:20	Peter Garraghan <i>SCC</i>	The datacenter is greener than the sum of its parts - towards holistic energy-efficient computing	LT1
10:45	Tea, coffee and pastries		Hub
11:15	PhD Talks <i>Chaired by Chris Edwards</i>	Short talks from 10 final year PhD students	LT1
12:15	Lunch		Hub
Session Two			
13:15	Dermot Lynott <i>Psychology</i>	It's getting hot in here! How does temperature experience influence human behaviour?	LT1
13:40	Rebecca Killick <i>Mathematics & Statistics</i>	Renewable energy - how statistics can mitigate intermittent generation	LT1
14:05	Manus Hayne <i>Physics</i>	Semiconductor futures - energy impact, use and capture	LT1
14:30	Hugh Tuffen <i>Lancaster Environment Centre</i>	From the fire into the frying pan - a future fuelled by magma energy?	LT1
14:55	Mulled wine and mince pies		Hub
Session Three			
15:20	Hubert Girault <i>Guest Speaker</i>	From grid to mobility: the challenge of re-charging electric vehicles	LT1
16:20	Peter Atkinson <i>Dean</i>	Close	LT1