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HIGHLIGHTS

Visit by the Chief Executive of Hong Kong

Hong Kong's Chief Executive Carrie Lam used her first official visit to the UK to see Imperial's technological lead in medical robotics.

The Head of Hong Kong's government toured Imperial's Hamlyn Centre, seeing how the College's researchers are collaborating worldwide, including with the Chinese University of Hong Kong, to pioneer new robotic surgery technologies.

She met with Imperial's President Alice Gast, Provost James Stirling and Chair of Council Sir Philip Dille, and the visit was led by Hamlyn Centre Director Professor Guang-Zhong Yang. Professor Yang, Professor Gast and colleagues showed Mrs Lam how Imperial is at the leading edge of engineering, design and medical technology innovation.



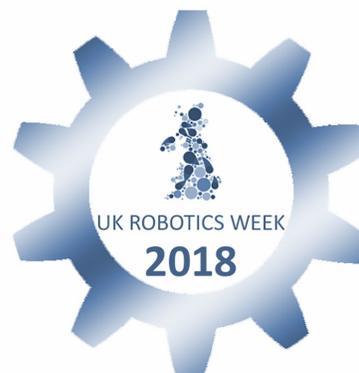
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UK Robotics Week 2018 Launch

The third annual UK Robotics Week event will be launched on Monday 17th October 2017. The week will be held as in previous years, in the last week of June (25th - 29th) with the exception being the [International Robotics Showcase](#) event.

The International Robotics Showcase will be part of the [International Business Festival](#) this year, and this will be held on Thursday 21st June 2018 at the Exhibition Center Liverpool, Kings Dock, Liverpool Waterfront, L3 4FP. A press release announcing the launch will be issued early next week.

The [International Business Festival](#) celebrates and supports business, through unmissable conferences, seminars and bespoke business brokerage meetings. It is a bi-annual event held at the Exhibition Centre Liverpool for three weeks from the 12 - 28 June 2018, bringing a world of business to anticipated crowds of more than 25,000 visitors. Building upon the legacy of our successful 2014 and 2016 festivals, the scope is ever expanding and recently acquire Royal Patronage from the Duke of Cambridge.



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The UK-RAS Network Conference on Robotics and Autonomous Systems: robots working for and among us.

Scope

The first UK-RAS Conference on 'Robotics and Autonomous Systems' (RAS 2017) will be held on **7th December 2017** at the University of Loughborough conference center.

Call For Papers:

The conference aims to bring together early-career researchers and PhD students in all areas of robotics and autonomous systems research and from all UK-RAS Network Members, for an engaging and focused day of single-track presentations, poster sessions and robot demos. The final programme will be the result of a thorough review process to give attendees an opportunity to see the best research in all areas of robotics and autonomous systems. Submissions will be evaluated in terms of their technical quality, novelty, significance, potential impact, and clarity. The program will include invited talks as well as oral and poster presentations. Every effort is being made to keep conference expenses affordable, particularly for student attendees.



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Platform for Autonomous Systems Research

The University makes extensive use of UAVs for teaching and research in Engineering and Environmental Science. Each year many UAVs are built as Group and Individual Projects. The UAVs are flown at our sports field, at Draycott Farm, or at Thorney Island.

Teams from the University have been very successful in the IMechE UAS Challenge, winning in 2015 and

runners-up in 2016 and 2017. The University has participated in a number of multinational UAV developments and is the only non-US member of the FAA's ASSURE consortium.

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NEWS

Technology Trade Mission to Singapore Robotics Expo

The Department for International trade are organising a technology trade delegation focused on robotics to the Singapore Robotics Expo (SIRE) from 31st October to 3rd November 2017.

SIRE provides the platform for government, private sectors, research and academia to share, address economic and social challenges, co-create solutions and forge partnerships.

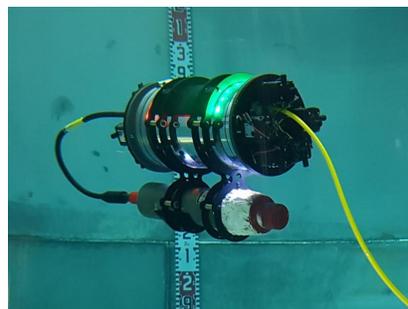
DIT will be taking stand space at the show so there will be an opportunity, for those who book early, to enhance their presence with an exhibition pod.



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Development and Testing of Submersible Robot for Exploration of Fukushima Daiichi

Researchers at the University of Manchester and Lancaster University have been working in partnership with the Japan Atomic Energy Agency, the National Maritime Research Institute and Nagaoka University of Technology, to develop a submersible robot, AVExis, that can be deployed into the damaged core of the Fukushima Daiichi Nuclear Power Plant to locate and characterise the radioactive materials that are located within it.



Lancaster University, led by Professors Malcolm Joyce and James Taylor, have developed gamma and neutron detectors, able to locate nuclear fuel while the University of Manchester, led by Professor Barry Lennox and Dr Simon Watson, have developed the robotic platform that will transport the detectors.

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The Era of Embedded Intelligence

The Digital Economy's 2017 Summer School was hosted by CDT in [Embedded Intelligence](#) at their London Campus, the trendy, forward thinking area of [Here East](#).

The theme for this year was "Innovation insights for the digital workforce of tomorrow" and held over three days, 4th-6th July, focused on three stages; learn with seminars, do with workshops and practice with practicals. A breakdown and more details about the Summer School can be viewed [here](#).



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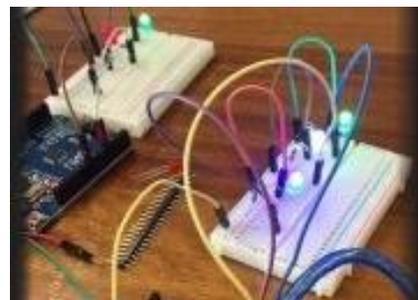


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Engineering Intelligence Week: STEM Outreach

Embedded Intelligence supporting resilient and sustainable systems, organisations, networks and societies.

The sell-out seminar, with attendees from industry, academia, government and funding agencies, focused on three primary themes of embedded intelligence; Supporting Critical Infrastructure, Advanced Products and Systems, and People.



Dr Graeme Coapes, R&D Lead of Siemens, presented their new product line asset guard and how embedded intelligence has enabled them to support their clients in asset management needs within energy systems.

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CDT Student Internships at NASA Frontier Development Lab

Adam Cobb and Timothy Seabrook (2nd year AIMS student), joined NASA Frontier Development Lab for a 3 month internship on 3D Shape Modelling of Asteroids & FDL Lunar Water & Volatiles.

See both blogs at:
3D-Shape-Modelling-of-Asteroids
FDL-Lunar-Water-and-Volatile



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