Easter 2017 Teaching Office Newsletter

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Events and opportunities - Easter 2017

James Dyson Award

Design something that solves a problem - and win up to £30,000. Full details can be found at: https://jamesdysonaward.org/en-GB/the-brief/
For IIA & IIB

The Undergraduate Awards

The University has signed up to the Undergraduate Awards (http://www.undergraduateawards.com/) and is part of a network of innovative universities, identifying and encouraging the best undergraduate research around the world. The 2017 Undergraduate Awards is open to all penultimate and final year undergraduate students in a degree course. Students are invited to enter both outstanding papers and research as well as visual arts portfolios using the online forms. The deadline for the 2017 programme is 13 June 2017.

Winners are published in the annual 'The Undergraduate Journal' as well as being invited to the UA Global Summit in Dublin. This is an all-expenses-paid four-day networking event.

Biomaker Challenge

Biomaker Challenge is a four-month programme challenging interdisciplinary teams to build low-cost sensors and instruments for biology. From colorimeters to microfluidics and beyond, we’re looking for frugal, open source and DIY approaches to biological experiments.

The challenge is open to students and staff at the University of Cambridge, John Innes Centre and the Earlham Institute. Participants will receive a Biomaker Toolkit and a discretionary budget for additional sensors, components, consumables and 3D-printing worth up to £1000.

For more information, to join a mixer event and apply, see www.synbio.cam.ac.uk/biomakerchallenge or email biomaker@hermes.cam.ac.uk

Undergraduates can apply by two deadlines:

19 May 2017 for those who need their kits before the long vacation,

23 June 2017 for those who anticipate being in Cambridge for the long vacation.

The Biomaker Challenge is co-organised by: OpenPlant, Synthetic Biology SRI, CamBridgeSens

To add any event to this list, please contact: teaching-office@eng.cam.ac.uk
Updates on the course - Easter 2017

Athena SWAN Silver Award

The Department has received an Athena SWAN Silver Award. The Award honours the significant progress the Department has made since it received the Bronze Award in 2013 and recognises the Department’s comprehensive plan to ensure that this progress is sustained.

The Athena SWAN Charter is a national scheme managed by the Equality Challenge Unit which was originally established to support and advance women's careers in STEMM subjects – science, technology, engineering, maths and medicine. The scheme was recently expanded to address gender equality more broadly, rather than just focusing on barriers to progression for women.

For more information and to read the Department's submission and action plan visit the Engineering Diversity website.

Surveys and feedback

We remind students that a link to course survey results is available in all student guides, from IA to IIB, also copied below:

Archives of past survey results

Don't forget to give feedback on your part I activities and part II modules and project.

Online surveys

Part 1 - Lecture capture in LT0

The lecture capture pilot is continuing in LT0. Apart from a couple of technical issues, all seems to be working fine.

Student survey results for Lent 2017

Many thanks to all part I students who completed the lecture capture survey. Students have overwhelmingly supported the initiative. Survey results are available online.

New staff at the Department of Engineering - Easter 2017

Mrs Lynne Meehan

Lynne Meehan joins the department as Librarian, a role she is sharing with Niamh Tumelty while she is on secondment as Head of STEM Libraries. Prior to joining...
Cambridge Lynne worked at several academic libraries including providing library support for the Engineering Department at UCL. As well as her library qualification she also has a PgCert in Adult Learning and Professional Development and is a Fellow of the Higher Education Academy.

Her role at Engineering is to manage and develop the library and information service in support of the teaching and research of the department. This includes working closely with staff and students to develop new services and facilities, managing and developing the library collections, and delivering and developing training for information skills. You can get in touch with Lynne by emailing head-librarian@eng.cam.ac.uk.

Dr. Sanjiv Sambandan is a lecturer in Electrical Engineering, University of Cambridge. He is also cross-appointed as an Assistant Professor in Applied Physics at the Indian Institute of Science, Bangalore, India. He worked at the Electronic Materials and Device Lab at the Xerox Palo Alto Research Centre, California, USA. He obtained his PhD in Electrical and Computer Engineering from the University of Waterloo, Ontario, Canada and his BTech in Electrical Engineering (Energy Systems) from the Indian Institute of Technology, Kharagpur, India. His research interests are in semiconductor devices and integrated circuits with a focus on Wearable and Flexible Electronics.

Dr. Phillip Stanley-Marbell is a University Lecturer in the Internet of Things, in the Department of Engineering. His research interests are algorithms, hardware architectures, and circuits for energy-efficient sensor-driven systems. His recent work exploits an understanding of the physical world and the flexibility of human perception to make sensor-driven computing systems more efficient and more reliable (http://physcomp.eng.cam.ac.uk).

Prior to joining the University of Cambridge, he was a researcher at the Massachusetts Institute of Technology from 2014 to 2017. He received his Ph.D. from Carnegie Mellon University in 2007 and was a post-doctoral researcher at TU Eindhoven until 2008, when he joined IBM Research---Zurich as a permanent Research Staff Member. In 2012 he joined Apple Inc. in Cupertino, to see his research ideas deployed in real-world products. Prior to completing his Ph.D., he held intern and full-time positions at AT&T / Lucent Bell-Labs, Philips Consumer Communications, and NEC Research Labs.

Dr. Stanley-Marbell maintains several open source hardware and software projects and is the author of a programming language textbook published by John Wiley & Sons in 2003. He is the author of over forty scientific publications and over a dozen patent applications (with 10 patents granted).