

## ACADEMIC NEWS

### **\*\*The Inaugural Lecture of the Lucasian Professor of Mathematics\*\***

Professor Mike Cates

'Two Theories of Jamming Transitions'

Wednesday 4<sup>th</sup> November 2015, 5.00pm-6.00pm

In MR2 / MR3, Centre for Mathematical Sciences

The lecture will be followed by a wine reception in Central Core

- *John Barrow* has been awarded the Dirac Medal of the Institute of Physics and also received an honorary doctorate (D.Sc.) from the University of South Wales.
- *Eric Lauga* has been awarded the 2015 Francois Frenkiel Award for Fluid Mechanics by the American Physical Society.
- The GCHQ Heilbronn Fellowship has been awarded to *Stephen Brierly*, to work with Richard Jozsa.
- The Swiss National Science Foundation Fellowship (with complimentary support from the Newton Trust) has been awarded to *Yufeng Lin*, to work with Gordon Ogilvie.
- The Leverhulme Early Career Fellowship (with complimentary support from the Newton Trust) has been awarded to *Māris Ozols*, to work with Richard Jozsa.
- *Nathalie Vriend's* research into the sounds made by sand dunes has recently been published in [Gizmodo](#) and [Phys.org](#).
- *Helen Mason* received the Royal Astronomical Society (RAS) Prize Lecture Award from the President of the RAS at the National Astronomy Meeting in Llandudno in July 2015. (Pictured right receiving her award)



### **Engineering Grand Challenges – Managing Air for Green Inner Cities (MAGIC)**

On Friday 16<sup>th</sup> October Jo Johnson MP (Universities and Science Minister) and Lord Sainsbury (University Chancellor) [visited CMS](#) and announced that the University of Cambridge is to lead a £4.1 million research project on how to manage air-flow in cities to reduce pollution and enhance air quality. This investment is part of £21 million scheme funded by EPSRC, and supported by an extra £11 million from industry, which will support seven new research programmes and involve nineteen UK universities and eighty partners. *Paul Linden* is the Principal Investigator for the [MAGIC](#) project based in CMS and work will begin in December.

## ANNOUNCEMENTS

### **Environmental Sustainability Vision**

This year the University of Cambridge has adopted a new [Environmental Sustainability Vision](#). We are being encouraged to be part of the Cambridge Green Challenge to help make the University a front runner in sustainability action. Details can be found on [www.facebook.com/CUenvironment](http://www.facebook.com/CUenvironment), @CambridgeSust on Twitter and Instagram.

### **RCUK Funding Assurance Programme Audit**

The [RCUK Funding Assurance Programme Audit](#) presentation and the RCUK Funding Assurance Programme (FAP) visit will be taking place on *Monday 23<sup>rd</sup> November - Wednesday 25<sup>th</sup> November 2015*.

### **Student Registry – Review of Examination processes and strategies**

The General Board's Education Committee and the Board of Examinations have established a working group to conduct a review of examination processes and strategies. Under the Chair of Professor Graham Virgo (Pro-Vice-Chancellor for Education), the review will include all examinations, except oral examinations and examinations by thesis, and will deliver a long-term plan that will set the future direction on examination

policy and operations for the Collegiate University. In 2015-16 the working group will focus on how we assess, and alternative examination arrangements and adjustments (such as alternative modes of assessment and extension to the duration of the examination), and will consider any feedback received to the questions outlined in the *Reporter* (29 July 2015).

### USS benefit changes

A new website has been created for current and prospective members of the Universities Superannuation Scheme about [changes to USS benefits](#). The site currently contains the latest information on the defined contribution element, and modellers and other functions will be added shortly.

## EVENTS

### Alan Turing Institute (ATI) Data Science Exploiter Summit: Big Data in the Physical Sciences

*Wednesday 13<sup>th</sup> January 2016, 8.30am-5.30pm at The Marble Hall/Kohn Centre, The Royal Society, 6-9 Carlton House Terrace, London.*

This [ATI summit](#) will bring together UK researchers, industry, and public sector funders to discuss the requirements, challenges, and opportunities of data science applications in the physical sciences. The summit will show up routes for engagement with the ATI, and help inform the future priorities of ATI work. The results of the summit will be compiled into a white paper.

[Registration](#) is now open and will close on *Wednesday 9<sup>th</sup> December*. There is no registration fee; however places are limited so please register early to avoid disappointment.

### University of Cambridge Mathematics and Big Data Showcase Event

*Wednesday 20<sup>th</sup> April 2016 at The Isaac Newton Institute/CMS.*

#### **\*\*A call for expression of interest in giving Presentations or Exhibiting\*\***

In January 2014, the Turing Gateway to Mathematics (TGM) and CMS held a very successful Mathematical Sciences Showcase, attended by over 120 representatives from industry and academia. The event provided the opportunity to share and explore specific areas of research and to better understand how mathematical sciences could impact on business and policy. The event began with a series of 15 minute talks highlighting areas of mathematical sciences and was followed by an exhibition that included research projects, case studies and information about collaboration with industry, as well as short tours of the GK Batchelor Laboratory. Some of the exhibits included analysis, statistics, fluid dynamics and image processing, as well as mathematics outreach.

The 2016 event is a bi-annual follow-up and will be extended to include the Cambridge Big Data Strategic Research Initiative and the Alan Turing Institute. The format is yet to be finalised, but is likely to be similar to the previous event. As well as having University inter-disciplinary appeal, the event will attract external delegates from industry, government and funding bodies, thus providing an excellent opportunity for researchers to engage with representatives from all these areas. For the 2016 event to be a success, we need input and support from DAMTP.

Please contact *Stephanie North* ([sn468@cam.ac.uk](mailto:sn468@cam.ac.uk)) by Monday 16<sup>th</sup> November, just stating whether you are interested in presenting or exhibiting in your subject area.

### Equality & Diversity

- **Talk:** [How to make an impact: Get your voice heard!](#)  
*Wednesday 11<sup>th</sup> November, 12.30pm - 1.30pm.*
- **Interactive Session:** [Athena Swan: New Developments](#)  
*Thursday 12<sup>th</sup> November, 12noon – 2.00pm.*

### Information Session: Funder's requirements for sharing research data

*Thursday 19<sup>th</sup> November, 3.30pm - 4.30pm at 17 Mill Lane, Room G.*

This Open Data Afternoon Session will provide you with all the necessary information you need to know about your funder requirements for research data sharing, how to avoid sanctions for non-compliance with your funder policies, and allow you to ask any questions you might have directly to the Open Data team. The session is open to everyone. For further information about this session and registration details please see the [Research Data Management](#) webpage.

## LGB&T - Welcome!

Wednesday 4<sup>th</sup> November, from 5.30pm at Baroosh, 8 Market Passage, Cambridge

All LGB&T graduates and staff are invited to this regular monthly social. Cambridge has a thriving LGB&T community and this event is an opportunity for all new arrivals to Cambridge to meet socially with members of the LGB&T Network and local community.

## GENERAL INFORMATION

### CMS News

- **Book Exchange** - there is now a carousel book stand outside MR 1 where books (academic and non-academic) that are no longer wanted can be donated and others are free to take away if they are interested.
- **CMS Suggestions box** – this is now located adjacent to Reception in Central Core.
- **University Centre cafeteria (CMS)** – the cafeteria will soon be having a facelift and given the University Centre "Boutique" branding in line with their other outlets, and an improved range of speciality coffees and a salad bar.
- **New vending machines** - on Thursday 12<sup>th</sup> November Cambridge Vending will be upgrading their machines in Central Core and providing a machine in the Betty & Gordon Moore library entrance lobby. The new hot drinks machine in Central Core will use freshly ground coffee and will take debit card and cash payments. \*Free samples of the coffee will be available on Friday 13<sup>th</sup> November from 10.00am\*



### PdOC Society

The [Postdocs Of Cambridge \(PdOC\) Society](#) is the University of Cambridge society for postdoctoral research staff. Their aim is to bring the postdoc community together on both a social and intellectual level, and to improve representation within Colleges and the University.

The [Researcher Development Programme](#) is aimed at postdoctoral researchers and research staff and it includes training and development opportunities in leadership, teaching and learning, personal effectiveness, and strategic career management amongst others.

### UK Senior Team Maths Challenge heat

Thursday 12<sup>th</sup> November, 3.30pm - 7.00pm

This event will be taking place in the Central Core and all the tables will need to be vacated by 2.30pm, as school teams will be arriving from 3.30pm.

### Wi-Fi access

The CMS Site Wi-Fi service upgrade was finished in September and it now provides 100% coverage for all office and communal work areas, including the grass roof and front lawn area. Information on how to print from Wi-Fi can be found on the [computing webpages](#).