

ACADEMIC NEWS

- *Julia Gog* recently gave the Forder Lecture for 2016, on "Epidemics and viruses: the mathematics of disease" at the University of Otago, New Zealand. A report on her talk can be read in the [Otago Daily Times](#).
- *Stephen Hawking* has appeared in the BBC's '[The Sky at Night](#)' programme (10th April) which looked at how the recent detection of gravitational waves proves that black holes exist and provides a way to investigate them. He has also recently spoken in a press conference at the One World Observatory in New York, where scientists announced a new breakthrough initiative focusing on space exploration and the search for life in the universe. The \$100 million project, named '[Breakthrough Starshot](#)' is aimed at establishing the feasibility of sending a swarm of tiny spacecraft, each weighing far less than an ounce, to the Alpha Centauri star system
- The recording of *Paul Linden's* Seminar 3, '[Bending the curve on climate 2016](#)', which he gave at the Judge Institute, can now be viewed on the University's Streaming Media Service.

OTHER NEWS

- The Department would like to extend their congratulations to *Ali Abassi* (M.Phil. in Computational Biology) who rowed in the winning Cambridge boat in the [Oxford and Cambridge Boat Race](#) on Sunday 27th March.
- The *STIMULUS* programme celebrating 'Thirty years of maths support for local schools' was recently featured in the [Cambridge Evening News](#) and on the [University 'News' page](#). *STIMULUS* is co-ordinated by the Millennium Mathematics Project and creates placements in local schools for student volunteers to help support maths, science and computing.

ANNOUNCEMENTS

A.J. Pressland Fund Bursaries 2016 – Language Study Overseas

Administered by the Language Centre, the [AJ Pressland Fund](#) offers bursaries of up to £1,000 to support language study abroad for students within the Schools of Biological Science, Clinical Medicine, Physical Science and Technology. Students should be planning to study a language overseas for up to 4 weeks during the Long Vacation and funds awarded may be used to support course fees, accommodation and travel as required. *The deadline for applications is Tuesday 19th April.* Full details are on their website.

The Vice-Chancellor's Awards for Impact 2016 *New Award*

The Vice-Chancellor's inaugural *Awards for Impact* have been launched to recognise and reward researchers at all stages of their careers whose research has led to excellent impact outside academia. Their aim is to highlight the range and quality of impact arising from Cambridge research, and they actively encourage nominations from all six Schools at the University. Applications will initially be judged by each of the six Schools of the University, with a prize of £1,000 being awarded to the best impact in each School. The overall best impact award will be selected from these winners, and awarded with a prize of £2,000. The Award is open to researchers, postgraduate research students and staff at the University of Cambridge.

Full details on scope of the award, the eligibility criteria and the nomination process, can be found on the DAMTP Internal pages under [Current News Bulletin – Vice Chancellor's Awards for Impact 2016](#).

The deadline for nominations is Tuesday 19th April.

The 2017 Breakthrough Prize

The [Breakthrough Prize](#) honours important recent advancements in the categories of Fundamental Physics, Life Sciences and Mathematics. It aims to celebrate the best scientific work and inspire the next generation of scientists. The nomination process is open to anyone and the value of the Prize is \$3 million. The closing date for nominations is *Tuesday 31st May 2016*, and you can find the nomination form, rules and more information about the Prizes at www.breakthroughprize.org.

EVENTS

Rouse Ball Lecture

Professor Ravi Vakil, University of Stanford, will be presenting the Rouse Ball Lecture on [‘The Mathematics of Doodling’](#), on *Friday 22nd April at 12noon*, in *Room 3, Mill Lecture Rooms*.

All who are interested are invited to attend.

Cantab Capital Institute for the Mathematics of Information - Launch Event

Carola Schönlieb (Institute Director) invites you to attend this event on *Monday 9th May 2016, 3.30pm* at the *Isaac Newton Institute*.

The newly established [Cantab Capital Institute for the Mathematics of Information](#) is hosted within the Faculty of Mathematics and will push the boundaries of information science. Research activity will be interdisciplinary and of the highest international level. It will focus on fundamental mathematical problems and methodology for understanding, analysing, processing and simulating data, with a key aim to extract relevant information from large and high-dimensional data with a predictable certainty.

The [Programme](#) of events will include the inaugural lecture of the Institute given by *Professor Ronald DeVore* from Texas A&M University, and it will be followed by a Drinks and Networking reception. Ronald is one of the key figures of modern applied mathematics and has made substantial contributions to approximation theory, numerical analysis of partial differential equations, wavelet transforms, machine learning algorithms and the theory of compressive sensing.

Participants will be able to learn more about the Institutes projects, future research challenges and directions in the area, and how to get involved. It expected that this will attract a wide audience of participants from various research communities, industry and Government.

Please **Register** your intention to attend this free event via the [Turing Gateway to Mathematics website](#).

Open Access Drop-In Session

Georgina Cronin from the Betty & Gordon Moore Library will be running this ‘Drop-In Session’ on *Thursday 28th April, 11.00am – 1.00pm* in *Central Core* (outside Pavilion D Common Room).

Anyone with any questions about the HEFCE Open Access policy is encouraged to come to this session to discuss how it will affect them.

Cambridge AWiSE - ‘Building the Business Case for Diversity’ Online Game evening

Dr Suzanne Doyle-Morris, founder of the InclusIQ Institute and author of ‘Beyond the Boys Club’ and ‘Female Breadwinners’, will be running an innovative ‘serious game’ workshops which will use an online role play game as a springboard for live discussion on diversity and inclusion in the workplace. This event will be taking place on *Tuesday 17th May, 8.00pm-10.00pm* in the *Wood-Leigh Room, Lucy Cavendish College*. Further details on the course and how to register can be found on the [AWiSE website](#).

Cambridge University Botanic Garden – International Garden Photographer of the Year

A collection of winning images from the prestigious [International Garden Photographer of the Year \(IGPOTY\) Competition](#) is on display at [Cambridge University Botanic Garden](#) from *Wednesday 13th April – Sunday 19th June*. The exhibition is displayed outdoors, on the IGPOTY outdoor structure in the Botanic Garden’s Autumn Garden, and will feature fine art prints from all of the major competition categories. Normal garden admissions apply.

Cambridge University Library – Shakespeare for all ages and times

Saturday 23rd April, 2.00pm-4.00pm

This free drop-in event marks the [400th anniversary of Shakespeare's death](#) and celebrates the diverse collections of the English Faculty Library, and Cambridge University Library who are celebrating their 600th anniversary throughout 2016. This event features a series of short performances, lightning talks from current researchers and a display of Shakespeare material - but not always as you know it! This is a chance to meet some unforgettable characters and explore Shakespeare’s works.

GENERAL INFORMATION

Cambridge Mathematics and Big Data Showcase

Wednesday 20th April

Please note that this event will be taking place all day in the Central Core and MR1, 2 and 3. Consequently there will be limited access to the Central Core, and it is advised that coffee / tea and lunches should be taken in the Common Rooms, and any teaching is re-arranged to other venues, such as the Betty & Gordon Moore Library.

DAMTP Expense Claims Policy

The updated DAMTP [Expense Claims Policy](#) is now available on the DAMTP Internal Administration webpage, along with the various expenses claims forms.

The Cambridge Green Challenge

April is the [Environment and Energy Section's spotlight on sustainable travel](#) at the University. The University has set targets to encourage sustainable travel and offers a range of incentives for staff to use more sustainable travel modes to and from work. They will be running a series of special travel events across the University to provide information to staff and students on travel issues. They have recently produced [six new 'pocket sized' travel leaflets](#) which show travel options to and from each of the main University sites.

They are also keen to see how University staff and students get to their places of work or study, and they have asked for photos of commutes to be sent to their [Facebook](#), [Twitter](#) or [Instagram](#) accounts. There's a 'Green Challenge' bike seat cover or water bottle in it for every person who sends in a photo.

Tripes Examination helpers required

The Undergraduate Office is currently recruiting helpers for the 2016 Mathematics Tripos examinations, which take place from *Tuesday 24th May* to *Wednesday 8th June*. They are particularly seeking PhD's and Postdoc's volunteers, but any reliable people with an eye for detail are most welcome too. Excellent rates of pay are offered for Invigilators, Mark checkers, Script sorters and Attendants. Please contact the Undergraduate Office at: undergrad-office@maths.cam.ac.uk by *Friday 6th May* if you are interested in being involved with this.

Year 12 Maths Event in the Central Core

On *Monday 18th April* the MMP is running an event for Year 12 girls who are considering studying mathematics at university. The day aims to offer encouragement and support, and includes talks by *Carola Schönlieb* and *Vicky Neale*, alongside morning and afternoon problem-solving workshops delivered by staff from *NRICH* and the *Underground Mathematics project*. About 120 Year 12 girls and their accompanying teachers are expected.

Please note: The Central Core will be very busy between 12.45pm – 1.30pm when they will be having lunch at the tables. Staff and students are asked to use the tables to the side of Central Core and the common rooms.