

ACADEMIC NEWS

- On Friday 26th February *Buzz Aldrin* visited the department and gave a lecture on 'Cycling pathways to occupy Mars'. Abstract: 'A comprehensive and immediate plan for human spaceflight. The overall objectives of this plan are to sequentially evolve international contributions of shared exploration beyond low Earth orbit and toward bartered crew landings on Mars by 2040. This plan can grow to enable a permanent settlement on the Red Planet by mid-century'.
- The recording of *Michael Cates'* [Lucasian Inaugural Lecture](#), 'Two Theories of Jamming Transitions' can now be viewed on the University's Streaming Media Service.



ANNOUNCEMENTS

Public Engagement with Research Awards 2016 – New Award

On behalf of the Vice-Chancellor the University's Public Engagement Team have announced the launch of their inaugural *Public Engagement with Research Awards*.

They are looking for researchers, staff and students at all stages of their careers who undertake excellent public engagement with research. Their aim is to highlight the spectrum of engagement activity undertaken at Cambridge and they actively encourage nominations from across the six schools at the University. The winners will receive:

- £1000 personal cash prize, trophy and certificate.
- Presentation of their award at a ceremony hosted by the Vice-Chancellor in June.
- Creation of profile-raising promotional materials showcasing the winners' public engagement work.

You can either nominate yourself or a colleague by completing the application form on the [Public Engagement with Research Awards](#) website. The deadline for nominations is 5.00pm on *Monday 18th 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 at www.breakthroughprize.org. For questions about the nomination process, please contact Rob Meyer at meyer@breakthroughprize.org. The Prize Categories are:

- *Breakthrough Prize in Fundamental Physics*: One prize will be awarded for profound contributions in theoretical, mathematical or experimental physics. The prize can be shared among any number of scientists.
- *Breakthrough Prize in Mathematics*: One prize will be awarded to an individual making significant discoveries within the many branches of the subject. In exceptional circumstances, when a prize is awarded for joint work, the Selection Committee may split the prize.
- *Breakthrough Prize in Life Sciences*: Up to five prizes will be awarded to outstanding researchers in the field of Life Sciences, with one of the awards specifically recognizing advances in Parkinson's disease or other neurological disorders.
- In addition, up to three New Horizons in Physics and up to three New Horizons in Mathematics Prizes are given out to junior researchers. The New Horizons Prizes can be shared and each prize is \$100,000.

EVENTS

Cambridge Equipment Sharing Project Database – Information sessions

The University's Open Data Team are running three dedicated information sessions about the [Equipment Sharing Project](#) and what it offers to researchers at Cambridge, and funders' research data sharing requirements and the support available in the University of Cambridge. The following sessions will be open to everyone and can be booked by the links below:

- *Thursday 10th March, 2.00pm – 3.00pm, Mill Lane Lecture Room 5* <http://bit.ly/24wsO4r>
- *Monday 21st March, 12.30pm – 1.30pm, Institute for Manufacturing, Department of Engineering, Lecture Theatre, 17 Charles Babbage Road:* <http://bit.ly/1pjX1DD>
- *Thursday 7th April, 12.30pm – 1.30pm, Clinical School Seminar Room 3 (Addenbrooke's Site):* <http://bit.ly/1SbDrEZ>

Cambridge Fluids Network Day

Monday 14th March, in CMS

The Cambridge Fluids Network is holding a one-day meeting to showcase the variety of Cambridge fluids research and encourage interactions with industry and other interested parties. There will be short talks from fluids groups across the university and from industry, plus a poster exhibition. If you would like to attend please contact Nick Daish (ncd1@cam.ac.uk, H0.12).

Equality & Diversity Events

- **#ILookLikeAScientist**

Wednesday 9th March, 4.00pm – 5.30pm, in the Main Lecture Theatre, Department of Zoology.

Following the worldwide social media campaign in 2015 highlighting gender issues in tech #ILookLikeAnEngineer, join us for a panel discussion to combat stereotypes and celebrate diversity with inspirational women from across the STEM disciplines in Cambridge. This event is open to all. To book a place, please visit: <http://ilooklikeascientist.eventbrite.co.uk>

- **Annual WiSETI Lecture - Do You Have to be a Genius to be an Astrophysicist?**

Thursday 17th March, 5.30pm – 6.30pm, in Wolfson Hall, Churchill College.

Professor Meg Urry is Director of the Yale Centre for Astronomy & Astronomical Society, and she will be sharing insights on her advocacy for women in science in the U.S. alongside her research on supermassive black holes and galaxies. This lecture will be followed by a drinks reception. To book a place, please visit: <http://wisetiannual.eventbrite.co.uk>

Open Access – Information Session

The University's Open Access Team is holding an [Information Session](#) on *Friday 11th March, 12noon - 1.00pm, Computer Laboratory Lecture Theatre 2* on the West Cambridge site. This session will cover the open access policies that researchers should comply with and the services we offer to help them comply. The session is aimed at both researchers and administrators in all departments. There will be the opportunity for people to ask questions at the end.

GENERAL INFORMATION

Green Impact at CMS

'Green Impact' is the University's environmental accreditation scheme. It supports and encourages Departments and Colleges across the University in reducing their environmental impacts. CMS has now joined this scheme to give a more structured approach to the greener and more environmentally friendly work that has been going on within CMS for many years, and to have our efforts recognised by accreditation within the scheme. The team is aiming to achieve the Bronze Award by the end of the academic year. The current *Maths Science Green Impact team* members are:

- Mick Young – CMS Facilities Team [mly20@cam.ac.uk]
- Tim Green – CMS Facilities Team [tg338@cam.ac.uk]
- Tim Lennox (2nd year Maths undergraduate) [tdl32@cam.ac.uk]
- Magda Strauss (PhD student in Biostatistics) [mes68@cam.ac.uk]

If you are interested in joining the team, or just want to know more about any initiatives being promoted please contact team members by email.

Long-serving staff recognised at special reception

In January *John Turner, Chris Mortimer, Stephen Cowley and Adrian Kent*, were amongst 47 members of staff from across the University recognised for [reaching 25 years of service](#) this year. Representatives from across the academic schools, the University Library, Botanic Garden and several divisions of the administration gathered in the Old Schools for an evening of celebration hosted by the Vice-Chancellor, Sir Leszek Borysiewicz.

RCUK 2016 - Collection of Research Outcomes (*Researchfish*)

If you are a **student** or **PI** in receipt of funding through RCUK then you should have already received notification. As a reminder, the Research Councils have announced that their next collection of output information via *Researchfish* will be from *Monday 1st February* to *Thursday 10th March 2016 (4.00pm)*. Data can be entered throughout the year *but has to be submitted during the collection period*. Failure to submit research outcomes may result in sanctions. Depending on the funder these may vary and include the inability to apply for further awards or award payments being withheld.

****NB:** Student recipients of RCUK funding are now also required to record their outcomes via *Researchfish*, although this year students will not be sanctioned for non-compliance. The expectation on receiving the award is that the PI or Student will report annually on the outcomes during the lifetime of the award, and then for a period of time afterwards (5 years for PI's, 3 years for students) so if you have received an email asking you to submit outcomes for an expired award, this is why. Information on these requirements can be found on the [University's Research Operations](#) webpage.

Science Festival – Volunteers wanted for Maths events

As part of the Cambridge Science Festival the MMP will be running a large family Maths event in the CMS on *Saturday 19th March 2016*, from *11.00am to 4.00pm*. You are warmly invited to bring your families to join in! For more details see <http://maths.org/events>.

We are also recruiting volunteers to help with the activities and with stewarding on the day. This is a great outreach volunteering opportunity, particularly for students, and we encourage anyone interested to get involved. Details have been emailed to all undergraduate and postgraduate students. To volunteer please fill in the short online form at <http://goo.gl/forms/RSQ2kJKGo>

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.