

ACADEMIC NEWS

- *Michael Cates* has recently given a public lecture on, 'Bulletproof custard: Fluids that stop flowing when you push them too hard' at the Perimeter Institute. The [Guardian](#) reported on this lecture, and a recording of the talk can be viewed on via the link above.
- *Stephen Hawking* has received a [Life Time Achievement award](#) at this year's Pride of Britain Awards, which took place on Monday 31st October. His award was presented by Prime Minister Theresa May in a ceremony at London's Grosvenor Hotel. He also spoke at the launch of Cantab Capital Institute for the Mathematics of Information (CCIMI) on Thursday 10th November, which took place in CMS. A report on his speech can be read on the [University's News page](#).
- *Peter Wadhams* has contributed to articles on climate change and rising sea temperature in [SBS News](#) and [CBC News](#).
- *Prof. David J. Thouless*, an Assistant Lecturer (1961-63) and then Lecturer (1963-64) in DAMTP has been awarded one half of the [2016 Nobel Prize in Physics](#), 'for theoretical discoveries of topological phase transitions and topological phases of matter'. The other half of the Nobel Prize has been awarded jointly to Prof. F. Duncan M. Haldane and Prof. J. Michael Kosterlitz, who along with David Thouless are all former members of the TCM Group in the Cavendish Laboratory.

OTHER NEWS

The [Cantab Capital Institute for Mathematics of Information](#) (CCIMI) celebrated the naming of Pavilion F, as well as the academic launch of the centre on Thursday 10th November. The new signage for the pavilion was unveiled by Ewan Kirk, co-founder and chief investment officer of [Cantab](#), and Carola Schönlieb, CCIMI Director.

The afternoon continued with a series of academic talks from Carola Schönlieb, Tim Gowers and Richard Samworth, followed by a poster session during which the CCIMI students presented the plans for their PhD projects alongside a large variety of ongoing work related to the centre, and finished with a very entertaining presentation from David Spiegelhalter. This was followed by dinner in the central core at CMS, during which Stephen Hawking gave a pre-dinner speech, alongside a few words from Matt Killeya, Head of Research at Cantab. The event was a huge success, and it was fantastic to have presentations from so many of Cambridge's eminent mathematicians, highlighting the value of CMS and the work done here, particularly that relating to mathematics of information.

(Report by Rachel Furner)



ACADEMIC VISITORS

Please see below the current academic visitors in DAMTP:

Professor Yiqiu Dong – visiting Cambridge Imaging Analysis group: 15/11/16 - 18/11/16

ANNOUNCEMENTS

Faculty for Mathematics –Student Elections Students

Student Elections for places on the Mathematics Faculty Board (two undergraduate places and one graduate place) are now underway. An election of student members of the Faculty Board to serve for twelve months from 1st December 2016 to 30th November 2017 will be held on **Thursday 24th November 2016**. Voting will take place online and is by single transferable vote. The election will be conducted in accordance with the provisions of the Statutes and Ordinances, pp. 113-116. Votes can be cast between 8.00am and midnight at www.vote.cusu.cam.ac.uk.

Funders' Collection Period 2017 REMINDER

In preparation for the forthcoming *funders' collection period* between Friday 6th February and Thursday 16th March 2017, the University of Cambridge is taking part in a pilot project to help its researchers (including students) by providing an automatic upload facility from [Symplectic Elements](#) to Researchfish. Researchers who hold awards from RCUK, CRUK, NC3Rs and NIHR are encouraged to link their publications to their grants within Symplectic Elements by *Friday 18th November 2016* so that the outputs will automatically upload into Researchfish. There will be a second upload from Symplectic Elements to Researchfish taking place early January 2017, when any subsequently linked data will be uploaded. More information is available on the [Research Operations Office website](#).

Researcher Development Training

Shooting your Research Video Post-Docs / Students

Monday 21st November, 9.15am - 4.45pm, in the Large Seminar Room, at the Institute of Public Health.

A research video can be a great way to get your message across to your collaborators, your friends, and the wider world as well as being a condition of some funding bodies. This course teaches the skills needed to plan and shoot high quality footage for research videos. Details on this course and how to book a place are available on the [Shooting your Research Video webpage](#).

EPSRC Science Photo competition 2016

EPSRC has launched its [fourth Science Photo competition](#) which is open to all EPSRC-supported researchers and doctoral students, giving an opportunity to share research through pictures and the chance to win prizes. This year they are looking for images that will demonstrate research in action. A full list of the competition categories and details on how to submit a photo can be found on their website, via the link above. The deadline for submissions is *Friday 16th December 2016*.



International Astronomical Union - PhD Prize to recognise Excellence in Astrophysics New

The IAU is pleased to announce a new prize, called the [IAU PhD Prize](#), to recognise outstanding scientific achievement in astrophysics around the world. Each IAU Division will, once a year, have the opportunity to award its own prize to the candidate it feels has carried out the most remarkable work in the previous year. Full details can be found on the IAU website.



LMS Prizes for 2017

The London Mathematical Society welcomes nominations for the 2017 prizes, to recognise and celebrate achievements in and contributions to mathematics. The LMS is keen to increase the number of nominations it receives and, in particular, the number of nominations for women, which are disproportionately low each year. For full details of the Prizes and nomination forms, please visit the [2017 LMS Prizes website](#). The closing date for nominations is *Tuesday 24th January 2017*.



Pint of Science 2017

The [Pint of Science festival](#) is a non-profit organisation run by volunteers that brings some of the most brilliant scientists to local pubs to discuss their latest research and findings with members of the public. Their aim is to provide a platform which allows people to discuss research with the people who carry it out. There will be some of these events hosted in Cambridge next year and if you are interested in getting involved you can register your interest [here](#).



SOCIETIES

Adams Society of St John's College

Wednesday 16th November at 6.00pm in the Fischer Building, St John's College.

Dr Sebastian Andres will be presenting a talk titled 'Loop Erased Random, Uniform Spanning Trees and Percolation'. Full details can be found on the [Adams Society](#) website.

The Emmy Noether Society

Details of upcoming talks can be found on the [The Emmy Noether Society Facebook](#) page or their [website](#).

The Trinity Mathematical Society

- Monday 14th November at 8.30pm in the Winstanley Lecture Theatre.

Prof. Imre Leader (DPMMS) will be presenting a talk titled, 'Cops and Robbers'.

- Monday 21st November at 8.30pm in the Winstanley Lecture Theatre.

Dr Piers Bursill-Hall and Dr Thomas Forster (DPMMS) will be presenting talks titled, 'Infinitesimals'.

Full details on all talks can be found on the [Trinity Mathematical Society](#) website.

EVENTS

Equality & Diversity

Challenging Conversations Spaces still available

Wednesday 16th November at 12noon–1.00pm in 213 Committee Room, Department of Physics, Cavendish Laboratory.

The Women's Staff Network (WSN) hosts informal training and networking sessions each term. This is an opportunity to meet the WSN team and learn how to handle conversations with difficult people in a confident, assertive and positive way. Full details can be found [via this link](#).

GENERAL INFORMATION

CMS Safety Committee – Cycle Safety

The CMS Safety Committee recommend that all members of the department adhere to the [UK legal requirement](#) for front and rear lights and a rear reflector, along with the recommendation to wear a cycle helmet and appropriate high visibility clothing and to make sure your bicycle is in good working order.



Plus Magazine – Book reviewers wanted

[Plus magazine](#), which is part of the Millennium Mathematics Project at CMS, is looking for book reviewers. It is a free online magazine about mathematics aimed at a general audience. It has a [section reviewing popular maths and science books](#) and volunteers are needed to do the reviewing.



Reviews are up to 1000 words long and should be written for a general audience, and usually a review would be expected within six weeks of receipt of the book. Any books reviewed can be kept afterwards. Suggestions for other books (or films or plays) to be reviewed would be welcomed. Please contact *Marianne Freiberger*, Co-editor Plus online magazine (mf344@cam.ac.uk) if you are interested in becoming a reviewer.