

ACADEMIC NEWS

DPMMS:

Holly Kreiger while recently visiting The John Adams Institute - American Culture in the Netherlands was interviewed by Ellen de Bruin of NRC Handelsblad about her way of teaching mathematics. This [interview](#) is now available to read (in Dutch) and includes video clips in English.

David Spiegelhalter (Statistical Laboratory) has commented in various publications on the potential relationship between glyphosate use and cancer: [Reuters Scientist](#) [CBC News](#)

DAMTP:

Ben Allanach and *Tevong You* (Department of Physics) discuss the decaying of particles known as 'bottom mesons' in a recent article in the [Guardian](#).

Julia Gog recently gave a lecture on [Maths v Disease](#) as part of the Oxford Mathematics Public Lectures series.



Stephen Hawking delivered the [Roger Penrose Inaugural Lecture](#) on 'Quantum Black Holes' at the Mathematical Institute, University of Oxford on Friday 27th October. This was also reported by the [BBC](#).

The photo is of Stephen, Andrew Wiles and Roger Penrose.

Eric Lauga has recently been awarded a 2018 Early Career Award for Soft Matter Research from the American Physical Society.

Former DAMTP PhD student *Tom Crawford* has recently published the following material on his [webpage](#):

[How many ping pong balls would it take to raise the Titanic from the ocean floor?](#)

[Why can't you tickle yourself? Live interview with BBC Radio Oxford.](#)

[Exploring Saturn's Newest Ring](#)

OTHER NEWS:

On 19th October DAMTP and DPMMS administrative staff hosted a visiting group of administrative staff from the [Department of Mathematical Sciences](#), University of Trondheim, Norway. This visit was arranged by a Brynjulf Owren, from the University of Trondheim, who is currently a visitor in the Numerical Analysis Group. As part of their visit we shared with them how our shared services administrative teams operate, and in turn we were given an insight in to what their department does, and how they provide support to their staff and students.

The Faculty would like to extend their congratulations to the following students who have recently had their PhD's approved:

- Riccardo Vanon (Astrophysical Fluid Dynamics)
- Mihajlo Cekić (DPMMS)

ANNOUNCEMENTS

Part III Example Class and Selective Marking payments PART III LECTURERS

This is a reminder to all Part III Lecturers that:

- where appropriate additional payments will be provided for example classes for more than 12 students (for classes between 6 and 12 the Colleges have agreed to pay as last year, provided appropriate records are kept and circulated, and so every effort should be made to organise classes of this size)
- and for marking associated with the example classes for two questions per Mathematics Part III student.

Lecturers are asked to provide information (name and email or CRSID) on staff (postdocs) and students who are helping/have helped this term with example classes and marking for your courses to:

- either undergrad-office@maths.cam.ac.uk (if your course falls under DAMTP)
- or grad-administrator@maths.cam.ac.uk (if your course falls under Stats or DPMMS).

This is so these offices can ensure those entitled to claim payment for this work have the necessary paperwork to do so. [Note: College Teaching Officers and Research Staff can be paid for additional example classes and marking as well as their lectures. Please inform one of the above offices if you are a CTO or Research Associate planning to do these activities.] UTO's undertake this work as part of their normal duties. Full guidance on the agreed procedures for example classes and selective marking in Part III for 2017/18 can be found on the [Faculty website](#).

PhD Examination procedures: Appointment of Examiners PHD STUDENTS AND SUPERVISORS

PhD students and their supervisors are reminded that the process of appointing PhD examiners should commence *at least two months in advance* of the intended submission date. The process for appointing examiners is initiated by the student who is responsible for submitting the relevant form, together with a summary of the thesis, to Degree-Committee@maths.cam.ac.uk. Supervisors are then asked to nominate appropriate examiners to the Degree Committee for approval. The process of nomination and approval can take several weeks to complete. This two month lead-in time is therefore necessary to ensure that examiners can be formally appointed by the Degree Committee prior to submission to avoid delay to the examination. Full guidance on the PhD examinations process can be found online [here](#). Any questions can be directed to the Sarah Dodd, [Graduate Office Administrator](#) / 39794 in room C0.14.

Rental Deposit Loan Scheme STAFF

The University has introduced a [Rental Deposit Loan Scheme](#) to support new starters and existing employees with the set up costs of renting privately in Cambridge. Full details of the scheme are available by the link above.

Rising Stars Public Engagement Training POST GRADUATE, POST DOCS, EARLY CAREER ACADEMICS

The Rising Stars course offers training in public engagement and educational outreach for postgraduates, post-docs and early career academics at the University of Cambridge. The course takes participants through the steps involved in planning, organising and delivering an interactive public engagement activity. By 'public engagement' or 'outreach', we mean engaging 'non-specialists' with your academic discipline. Full details of this training and how to register are available on the [Rising Stars Public Engagement Training](#) website.

Smith-Knight and Rayleigh-Knight Prize Essays 2018 STUDENTS

One or more Smith-Knight Prizes, and one or more Rayleigh-Knight Prizes for essays on any subject in Mathematics and its applications, are offered for competition in 2018. Students who are in the second year of their PhD on the first day of Lent term 2018 are eligible to enter. The closing date is *Tuesday 16th January 2018*. Further information is available [here](#).

University Wellbeing Strategy STAFF

The University is committed to providing a healthy and fulfilling working environment and improving the quality of working lives for all staff. The wellbeing strategy aims to support the University's mission and core values of freedom of thought and expression, freedom from discrimination and the recognition that the University's staff are its' greatest asset. As part of the University's Wellbeing Strategy the [WellCAM website](#) has recently been launched, which provides information and resources accessible for all staff. As part of the Wellbeing initiatives there will be free briefings are open to all staff, details of which can be found on the [Wellbeing Training and Events webpage](#).



Heilbronn Research Fellowships

Applications are now invited for Heilbronn Research Fellowships based in [Bristol](#) and [London](#). They are keen to recruit the most able mathematicians, and in particular they are looking at ways to address their current gender imbalance, and as a result are introducing a referral initiative this year targeted specifically at increasing the number of female Heilbronn fellows. Full details on the fellowships and the nomination process can be found using the links above.

EVENTS

CCA and SIAM-IMA industrial seminar: JP Morgan ALL WELCOME

Tuesday 14th November, at 4.00pm in MR14

Quantitative Research and Machine learning at J.P. Morgan

Full details about the seminar and how to register your interest in attending can be found [here](#).

CCIMI Connecting with Industry

Wednesday 22nd November, 10.00am – 6.00pm, at the Isaac Newton Institute

The main focus of this one day conference event will be as an industrial engagement day that will provide an update on research and collaborations taking place at CCIMI, as well as highlighting projects being developed elsewhere. The talks will highlight research taking place at CCIMI, with associated industrial engagements and will look to explore the big questions in data science where mathematics is most suited to help provide answers. The event is free, and the conference programme and registration details can be found on the [TGM website](#).

CCIMI Student Video Contest

Wednesday 15th November, 4.00pm – 6.00pm

CCIMI students have each created short videos, showcasing and explaining their work, which will be watched as part of the first ever CCIMI Student Video Contest.

The student videos will be judged by Ewan Kirk (CEO of Cantab Capital Partners), Marianne Freiberger (Editor of Plus Magazine), and Carola Schönlieb (Director of the CCIMI). The event will be followed by a wine reception, where the winning video will be announced. Attendance is free, but the organisers would appreciate it if individuals register their interest on [Eventbrite](#) so they have an idea of expected numbers.



Clare Hall Mathematical Association (CHMA)

The Clare Hall Mathematical Association (CHMA) is a new society established last year at Clare Hall, which is centred on mathematics and open to all graduate student members of the university. Emphasis is placed on socialising as well as mathematical discussion, with CHMA events including both talks in Cambridge by eminent scientific speakers, and trips to such varied locations as Bletchley Park, Oxford, and the Lewes Bonfire. Upcoming events include a talk by Professor Michael Green on Thursday 30th November, details of which will be announced on the [CHMA Facebook page](#). There is an annual membership fee of £2. Anyone who would like to join the CHMA, or might be interested in any of its activities should contact the Secretary, [Anne](#) for more information.



Emmy Noether Society

Jane Street are holding the following two events in the upcoming weeks:

- **Jane Street Estimathon**

Thursday 16th November, 6.45pm – 9.00pm, in MR 3

Estimathon is a team contest where the goal is to create confidence intervals to difficult maths and science questions e.g. what's the volume of the earth's oceans (in cubic km). It's a very interactive game and focuses on some ideas that are central to what Jane Street do. In order to take part you need to register your interest [here](#).

- **Women in Trading and Technology (WiTT)**

Thursday 30th November – Friday 1st December

Jane Street will be hosting a WiTT event (Women in Trading and Technology) at [Jane Street](#) at the end of November, inviting students to spend two days in their London office to learn more about what they do through a series of classes and activities. Details on this event, and how to register your interest in attending, can be found [here](#).



OpenConCam 2017 STUDENTS AND RESEARCHERS

Thursday 16th November, at 9.00am, the Betty & Gordon Moore Library

OpenCon 2017 is the student and early career academic professional conference on Open Access, Open Education, and Open Data. The OpenConCam's theme is 'Open for everyone'. Their goal is to support and build the open community in Cambridge. Further details on this event and how to register your interest can be found on [the OpenCon website](#).

Winton Centre

Tuesday 14th November, 5.30pm – 8.00pm, at Peterhouse Lecture Theatre.

The Winton Centre will be holding the following event: 'Can you handle the truth? Facts, figures and communicating uncertainty', which in conjunction with the Centre for Science and Policy (CSaP), will be hosted David Spiegelhalter (Statistical Laboratory). Event details and how to book can be found [here](#).

Women on Newton

Cambridge University Library in association with the Department of History and Philosophy of Science presents a series of lectures by women scholars about the world and legacy of Isaac Newton (1642-1727). Full details on these lectures can be found on the [Women on Newton link](#).

GENERAL INFORMATION

New member of administrative staff

We are delighted to announce that *Helen Lancaster* has recently joined the MMP as Administrative and Events Assistant (part-time), working Tuesdays and Thursdays. Her contact details are Ext: 64777 / hjl48@damtp.cam.ac.uk

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 2017 to 30th November 2018 will be held on **Thursday 23rd November 2017**. 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. Full details on who is eligible and on the nominations process can be found on the [Faculty of Mathematics Student Elections 2017 webpage](#). **Nominations** must reach Hannah Fox, the Secretary of the Faculty Board, CMS, by 5.30pm on *Thursday 16th November 2017*.

University Staff Counselling Service

The Staff Counselling Service is now based at 17 Mill Lane (first floor). Further details about the service and how to request an appointment are available on the new [Staff Counselling Service website](#).

University of Cambridge Private Medical Insurance (PMI) scheme STAFF

For a number of years the University of Cambridge has offered employees a comprehensive medical insurance group scheme in conjunction with BUPA, as a voluntary benefit. This year, the University instructed its broker (M&L Healthcare Solutions) to carry out a comprehensive market review of medical insurance providers. As a result, the University has introduced a new private medical insurance scheme with General & Medical Healthcare which University employees can join as new members. Further details can be found [here](#). To talk to someone about the PMI cover, please contact M&L Healthcare Solutions on 01223 881779 stating that you are an employee of the University of Cambridge, or email cam.ac@mlhs.co.uk requesting further details of the scheme. The BUPA Group Scheme will still remain open for existing members; however these members will also be eligible to join the new General & Medical Scheme at any time.

LOCAL ENVIRONMENT & SUSTAINABILITY

Bulb Planting on the CMS Site

As an initiative of Green Impact, last weekend neighbours and members of the North Newnham Residents Association joined forces with CMS to plant over 1000 dwarf daffodils, snowdrops and bluebells along the footpath that leads from the Gatehouse to Madingley Road, and dwarf daffodils along the verges of Clarkson Road. We hope that you will all enjoy the results come spring.



Old newspapers needed for hedgehogs **REMINDER**

Claire Chamberlain, one of the Facilities team, is currently volunteering at the [Shepreth Hedgehog Hospital](#) and has put out a request for old newspapers that can be used as bedding for hedgehogs in the hospital. If you have any old newspapers to donate please leave them in the Perspex box, which is alongside the Green Impact Noticeboard in the Central Core.