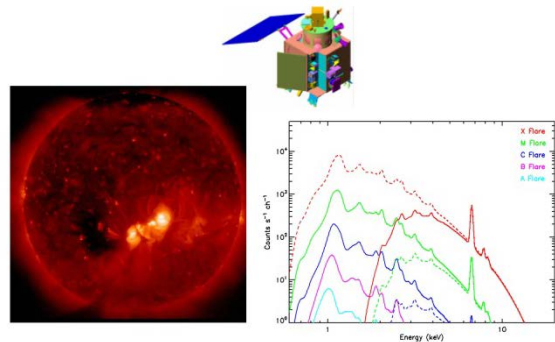


ACADEMIC NEWS

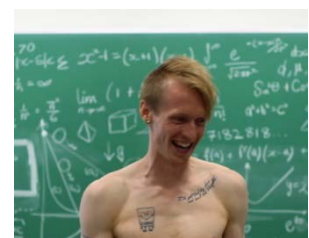
DAMTP:

- *Giulio Del Zanna* has obtained a grant from the Royal Society to start a new research collaboration with a group at the Physical Research Laboratory (PRL), Ahmedabad, led by Professor Santosh Vadawale. PRL is one of the main research institutes in India and is involved in all Indian space science missions. The project title is, 'X-ray spectroscopy of solar flares with Chandrayaan-2 XSM'. Professor Vadawale is the principle investigator of the Solar X-ray Monitor (XSM) aboard the upcoming second Indian moon mission - Chandrayaan-2, to be launched this year. XSM is the only spectrometer in the near future that is designed to measure continuously the X-ray emission from the Sun.



Left: X-ray image of the Sun (Hinode XRT) with an active region near the centre. Right: expected X-ray spectra from the Indian Chandrayaan-2 XSM instrument, for different classes of flares.

- On *Thursday 22nd March at 9.00pm*, BBC Four will air '[Contagion! The BBC Four Pandemic](#)', a documentary to mark the centenary of the 1918 influenza pandemic. The documentary features disease outbreak models, based on a massive nation-wide citizen science experiment developed by *Julia Gog*, *Stephen Kissler*, *Maria Tang* from DAMTP, and *Petra Klepac* (LSHTM).
- *Michael McIntyre* has recently been given an Honorary Fellowship by the Royal Meteorological Society, and his citation read, 'Professor Michael McIntyre has made a remarkable range of research contributions, from deep and elegant theory to insightful use of observation, to explain key aspects of weather, climate and the ozone layer'.
- *Carola-Bibiane Schönlieb* recently presented the LMS Mary Cartwright Lecture on 'Model-based learning in imaging'.
- Former DAMTP PhD student Tom Crawford has recently published the following items on his [website](#):
 - [Skiing, Avalanches and Freezing Bubbles](#) - the second video in the JFM and FYFD collaborative series.
 - [Funbers 4](#) and [Feigenbaum's Constant](#) - the next two episodes in the BBC Radio series.
 - [Meet the Naked Mathematician](#) - Live interview with BBC Radio Cambridgeshire.



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

- Joana Grah (Cambridge Image Analysis)
- Luka Milićević (DPMMS)

DAMTP ACADEMIC VISITORS

The following academics will be visiting DAMTP:

Visitor	Host or Research Group	Dates of visit
Profesor Volkan Cevher	Hamza Fawzi and Carola-Bibiane Schönlieb	12/03/2018 -16/03/2018
Dr Yong Chen	Lorna Ayton (Fluid Mechanics)	04/04/2018 – 03/09/2018
Dr Girjesh Gupta (Commonwealth Rutherford Fellowship)	Giulio Del Zanna (Atomic Astrophysics)	26/03/2018 – 28/02/2020
Professor Douglas Lin	Gordon Ogilvie (Astrophysics)	18/03/2018 – 13/07/2018
Professor Ozan Oektem	Carola-Bibiane Schönlieb	09/03/2018 – 25/03/2018
Professor Benjamin Schumacher	Richard Jozsa	15/03/2018 – 16/03/2018
Dr Verner Vlacic	Anders Hansen	15/03/2018

ANNOUNCEMENTS

Cecil King Travel Scholarship 2018 EARLY CAREER RESEARCHERS

The London Mathematical Society annually awards a £5,000 Cecil King Travel Scholarship in Mathematics, to a young mathematician of outstanding promise. The Scholarship is to support a period of study or research abroad, typically for a period of three months, in any area of mathematics. Applicant criteria and details on how to apply are available on the [Cecil King Travel Scholarship](#) webpage. The application deadline is *Saturday 31st March 2018*. Any queries should be addressed to [Elizabeth Fisher](#).

Data Protection Legislation – change in the law ALL STAFF

New data protection legislation, the General Data Protection Regulation (GDPR), comes into force on Friday 25th May 2018, replacing the Data Protection Act. It is important that all staff understand the fundamentals of data protection legislation, and especially the GDPR. As such all staff are encouraged to read the [information published](#) by the University and the linked pages. Staff will be asked to complete an online University data protection training course later in the year.

Language Centre CULP courses – Easter Term

Enrolment is now open for semi-intensive language courses starting in Easter Term at the Language Centre. Open to all current staff and students of the University the CULP ([Cambridge University Language Programmes](#)) courses could be valuable for future employability, open up overseas placement or study opportunities, enhance academic options, or simply enhance your future travel experiences. Courses are available in over a dozen languages and in a variety of levels from Basic to Advanced. For further information, costs and to book a place, please visit the [online booking system](#). For those wishing to explore alternative modes of language study, please visit our [Language Advising pages](#) for details of Conversation Hours, supported self-study and other opportunities.

STEP Support Programme events for Cambridge offer-holders UPDATE

To supplement and extend the free online support available to applicants via the online [STEP Support Programme](#) every UK state-school student holding a conditional Cambridge offer based on STEP II and III (i.e. Mathematics and a small number of Computer Science offer-holders) was invited to attend an optional STEP preparation day event in March. 202 of the 290 eligible students sent invitations by the Cambridge Admissions Office took up the opportunity to attend. Three separate days were planned, and two have already taken place, and the final day will take place on Wednesday 14th March. These days have included talks about STEP and exam preparation by Stephen Siklos and Claire Metcalfe (STEP Support Programme/NRICH), as well as STEP workshops led by NRICH staff Ems Lord, Alison Kiddle, Becky Warren and Claire Metcalfe. The afternoon workshops have been supported by current undergraduate and postgraduate mentors, and have included a panel session and Q&A with current Cambridge students. The feedback from the first two days has been enormously positive (both about the events themselves and the online STEP materials). The organisers are grateful to Churchill College for support in hosting these days; to James Munro, Zain Patel, Jemma Fendley, Matthew Jones and Eve Pound who talked about their own experiences of STEP; and for the generous assistance from the student mentors and everyone else involved.

Student Travel Awards STUDENTS

This [award](#) provides funding for two students to visit up to six [University Alumni Groups](#) around the world during the summer or Christmas vacations and promote them as a resource to students. Applications are welcomed from registered undergraduate and PhD students who are not in their final year of study. The deadline for applications is *Tuesday 3rd April* (12noon).

Tripes Examinations HELPERS WANTED

The Mathematics Faculty needs help during the 2018 Tripos Examinations, which will be taking place from *Thursday 31st May* to *Tuesday 12th June*. If you are interested in getting involved with exam invigilation, mark checking or script sorting for the dates above, or only for part of this period, please contact the [Undergraduate Office](#) for further information.

EVENTS

15th Annual Disability Lecture

Thursday 22nd March, from 5.30pm, at the Fisher Building, St John's College

This year's lecture, 'Disabled Academics and the 21st Century', will be given by Professor Nigel Lockett, Dr Farah Mendelsohn and Dr Hamied Haroon. The lecture is organised jointly between the University's [Disability Resource Centre](#) (DRC), the Equality and Diversity section and St John's College. The speakers will speak about their experiences as disabled academics and their careers. They will discuss their strategies for success and what they had wished they had known at the start of their careers. The lecture is open to all, the venue is fully accessible to disabled people and the lecture will be captioned and a BSL interpreter will be present. [Booking is now open](#).

British Mathematical Colloquium STAFF AND POSTGRADUATES

Monday 11th –Thursday 14th June, University of St Andrews

Registration is now open for the 2018 British Mathematical Colloquium. Early bird registration at £50 (£30 for PhD students) is available until *Tuesday 10th April*. Information on the speakers and schedule of events, and details of how to register can be found on the [2018 British Mathematical Colloquium website](#).

Cambridge Science Festival - Hands-On Maths Fair VOLUNTEERS WANTED

Saturday 24th March, 12noon – 4.00pm at CMS

The Hands on Festival organisers are looking for volunteers to help run the existing hands-on mathematical activities for children at this event. The annual Cambridge Science Festival is a huge outreach programme, and this is an exciting day - it usually attracts several hundred visitors, mostly families with children, and is a great opportunity to share your enthusiasm for maths. The age range of visitors is often very wide: typically you'll be working with children aged from 5 to 13, accompanied by their parents.

Volunteers are needed to:

- act as helpers and explainers for existing hands-on mathematical activities and games developed by the MMP, often based on ideas from the [NRICH site](#)
- help during the event stewarding two interactive talks/workshops in MR2 at 1.00pm and 3.00pm.
- be available from about 11.30am - 4.45pm to help set up and clear up afterwards. However, if you're only free for some of that time it is still useful to have your help.

The Science Festival events are a really rewarding experience, and the feedback from visitors is always fantastic. All helpers will get a free Science Festival T shirt and will be provided with a sandwich lunch.

How to volunteer: Please fill in [this short form](#). No previous experience is necessary, but if you have been involved in this sort of event before, please give details.

CCIMI Short Course: Mathematics of Data - From Theory to Computation

This short course is organised by the CCIMI and open to all.

Lectures run 2.00pm – 5.00pm, with two 15 minute breaks, *Tuesday 13th March – Thursday 15th March*.

Instructor: Volkan Cevher (Laboratory For Information And Inference Systems, LIONS)

Description: Convex optimization offers a unified framework in obtaining numerical solutions to data analytics problems with provable statistical guarantees of correctness at well-understood computational

costs. Full details on these talks are available on the [CCIMI Short Course: Mathematics of Data - From Theory to Computation webpage](#).

CMS Breaking the Silence

Ever wondered where to draw the line in 'friendly banter'? Don't know where to turn to if someone is behaving inappropriately? Want advice on what to do if you witness harassment or inappropriate comments?

Everyone is invited to attend a short talk on the University's *Breaking the Silence* campaign on *Wednesday 14th March, 1.15pm to 2.00pm* in MR5.

The informal, interactive session will be delivered by Dr Miriam Lynn from the Equality and Diversity Section. *Breaking the Silence* sets out the University's position on preventing harassment and sexual misconduct. This event will provide information on how we can foster an inclusive working environment; give advice on 'where to draw the line'; and also highlight the support and guidance available for members of the University (both staff and students regardless of gender).

Staff and students are welcome and lunch will be provided. If you are interested in attending please do [sign up via this doodle poll](#) (just for catering numbers).

Intellectual Property Seminar for Postdocs

Thursday 26th April, 6.00pm – 8.00pm, Sanders Hall, The Postdoc Centre, Eddington, Cambridge

Cambridge Enterprise will be holding an intellectual property seminar with Marks & Clark LLP to help postdocs understand more about managing their own intellectual property. Marks and Clerk have long been recognised as one of the leading patent, trade mark attorney and intellectual property law firms across the globe. The seminar shall provide a basic understanding of how to develop, commercialise and manage intellectual property (IP). Please register your interest on the [IP Seminar for Cambridge Postdocs webpage](#).

LMS Women in Maths Days 2018

Monday 30th April – Tuesday 1st May, at the Isaac Newton Institute

This is an inclusive event open to all mathematicians independent of gender and stage in career, and will offer a variety of sessions on topics such as Implicit Bias, and interview skills for early career researchers. Sessions will include talks by women mathematicians at different career stages, including several from Cambridge. There will also be a poster session with a prize for the best poster. Further details and the application form are available on the [LMS Women in Maths Days 2018 website](#).

GENERAL INFORMATION

New member of Administrative Staff

We are delighted to announce that:

- *Ms Kati Sexton* has been appointed as the Undergraduate Office Manager, and will be joining the Undergraduate Office team on Tuesday 13th March.
- *David Feijoo* is working as the Undergraduate Office Secretary on a temporary basis until the end of the Easter Term.

Graduate Office

Faculty Noticeboard and Part III email list usage REMINDER

This is a polite reminder to all staff sending circular messages to email lists concerning careers and recruitment (including circulars advertising PhD positions and studentships). These messages should be sent to: noticeboard@maths.cam.ac.uk **and not** directly to student email lists. The Part III list is now more tightly moderated to prevent general circular email getting through, and monitoring the volume of messages received means a lot of additional work for the Graduate Office staff. It is also worth noting that although all students are enrolled on relevant lists at the start of their course they can 'opt out' if they do not wish to receive these communications. Full details of the noticeboard and associated lists are available on the [Careers for Mathematicians webpage](#).

Supervision reporting Lent 2018 REMINDER

The Graduate Office requires all PhD supervisors to complete a CamSiS supervision report for each of their graduate students for Lent Term 2018, if they have not already done so. Degree Committee guidance on [supervision reporting can be found online](#). If you are experiencing difficulties with the reporting system please contact [Sarah Dodd](#), Graduate Office Administrator (39794 / C0.14).

HR Office

Easter vacation office hours

Due to staff leave the Maths HR Office (B1.31) will operate a skeleton service on the week beginning Monday 9th April, as follows:

Date	Morning	Afternoon
Monday 9 th April	9.30am – 12.45pm	2.00pm – 4.00pm
Tuesday 10 th April	9.30am – 1.15pm	2.00pm – 4.00pm
Wednesday 11 th April	9.30am – 1.00pm	3.00pm – 5.00pm
Thursday 12 th April	8.30am – 2.30pm	3.00pm – 5.00pm
Friday 13 th April	9.00am – 11.00am	1.30pm – 3.30pm

All enquiries should be sent to: hr-office@maths.cam.ac.uk

LOCAL ENVIRONMENT & SUSTAINABILITY

CMS Green Impact

Energy Awareness session

The *cmsgreenimpact* team held an Energy Awareness session in Central Core on Wednesday 28th February. This was well attended by staff and students alike, and with a mathematical quiz based around CMS energy usage, and encouragement to make a green pledge with 11 Easter eggs as prizes. Marc Isern was the lucky winner of the star prize. If you are a winner and haven't yet claimed your Easter Egg they are available for collection from Reception.



Thanks to Leanne, Maybritt and Tim for all their hard work and enthusiasm.



Bird boxes and bird feeders

There are now several bird boxes and feeders around the CMS site to help encourage bird life to visit the site. Thanks to Fran Watson who has generously donated this five star bird house to the *cmsgreenimpact* team for use on site.

