

## ACADEMIC NEWS

### DPMMS:

*David Spiegelhalter* (Statistical Laboratory) has commented in the [Guardian Msn](#) on the research on motorcyclists having more fatal crashes under a full moon. David has also recently presented the BBC Radio 4 programme '[Good luck Professor Spiegelhalter](#)' about luck, fate and fortune, which is now available to listen to online.

### DAMTP:

The [Royal Astronomical Society](#) have just announced *Helen Mason* has been awarded the 2018 RAS Annie Maunder Medal for Outreach. (Annie Maunder was a Solar Scientist who went to Girton College). The RAS citation for this medal can be read [here](#).

A study led by *Christopher Moore* suggesting that the Gaia spacecraft has the necessary sensitivity to study ultra-low frequency gravitational waves that are produced by supermassive black hole mergers has been reported on in the [Universe Today](#).

*Carola–Bibiane Schönlieb* has recently been announced as the 2018 LMS Mary Cartwright Lecturer. This year's [Mary Cartwright Lecture](#) will take place on Friday 2<sup>nd</sup> March, and Carola will be talking on 'Model-based learning in imaging'.

*Amalia Thomas'* and *Nathalie Vriend's* Public Engagement with Research case study on 'Interactive Experiment Exhibition and Photoelastic Toys' can now be viewed on the [Public Engagement website](#).

The Faculty would also like to belatedly congratulate *Carola–Bibiane Schönlieb* and *Anders Hansen* who each received a [Philip Leverhulme Prize in Mathematics and Statistics](#) in 2017.

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

- Johannes Bausch (Quantum Information)
- Tamsin Spelman (Biological Physics & Mechanics)

## OTHER NEWS

### Cambridge Mathematics student stars in Channel 4 documentary

On Tuesday 9<sup>th</sup> January Channel 4 screened the first episode of a two-part documentary by rapper Professor Green titled, 'Working Class White Men'. This week's episode, 'Being Somebody', followed three young men, including Lewis Croney, a very talented sixth form student who was working towards achieving the grades needed to win his place at Cambridge to read Maths - he is now a current a first year at Trinity. The documentary has achieved a lot of press coverage and public interest, and was an extremely positive presentation of both Cambridge, especially the Mathematics Faculty, and Lewis's hard work, commitment and talent. It includes film of Lewis and his mum attending an Open Day at the CMS, as well as the nerve-racking moments when Lewis is waiting for his STEP results. You can watch the programme on [All 4](#) (if short of time, the segments from 31:57 to 35:27, and 43:33 to 46:28 are particularly relevant). You can read more in the news story on the [Faculty website](#).

## ACADEMIC VISITORS

The following academics will be visiting DAMTP:

Visitor	Host or Research Group	Dates of visit
<i>Hao Chung</i>	Nilanjana Datta, Quantum Information	22 <sup>nd</sup> January – 9 <sup>th</sup> February
<i>Emmanuel Dormy</i> (Ecole Normale Supérieure, Paris)	Keith Moffatt, and working with the Fluid Dynamics group	2 <sup>nd</sup> January – 31 March
<i>Mike Meylan</i> (University of Newcastle, Australia)	He is visiting DAMTP at the request of David Abrahams (INI) following Mike's work in the Sea Ice Programme	2 <sup>nd</sup> January – 31 <sup>st</sup> May
<i>Hakop Pashayan</i> (University of Sydney)	Richard Jozsa, Quantum Information	20 <sup>th</sup> – 27 <sup>th</sup> January
<i>Christophe Raufaste</i> (University of Nice)	Ray Goldstein, Biological Physics and Mechanics	8 <sup>th</sup> January - 17 <sup>th</sup> August

## ANNOUNCEMENTS

### David Crighton Fellowship 2018

The David Crighton Fund was set up in memory of the late Professor David Crighton FRS, to provide support for young scholars in his research field, i.e. the subfield of applied mathematics concerned with fluid mechanics, acoustics, waves and vibration. The managers of the Fund are accordingly offering *up to four David Crighton Fellowships* for research students and postdoctoral fellows in these areas. Applications are welcome from candidates based in Departments of Mathematics, Engineering or Physics in Cambridge and elsewhere. Full details on this fellowships and how to apply can be found on the [David Crighton Fellowships webpage](#). Applications for these fellowships should be submitted by email to the [Head of Department's Secretary](#), June Wilders, by *Wednesday 31<sup>st</sup> January*.

### Employee Reward Focus Groups **VOLUNTEERS WANTED**

The aim of the Employee Focus Groups is to find out how University employees feel about the rewards currently available to them and provide an opportunity to input into the wider Reward Strategy work the Reward Team is developing. The key question at the sessions will be: *Do the rewards\* offered by the University for working here engage and motivate you?* (\*Rewards are defined as reward elements that make up a total reward package offered by the University as part of employment which might include pay, additional pay, benefits, career/pay progression, other rewards/recognition and the transparency of how reward is communicated.) The Reward Team is looking for between 15 – 20 participants for each focus group session. The sessions are planned to last for 1 ½ - 2 hours. Each focus group will concentrate on discussing a reward attributed to one of the main staff categories within the University: Academic / Academic Related / Research / Assistant; and each session will take a cross representation from all schools and institutions in each staff category to hear their views on current rewards, what may be missing from the reward agenda and provide an opportunity to input into the discussion on the strategic direction of reward at the University. The focus group will look at five sections of the University's reward offering in more detail: Pay / Progression / Rewards and recognition / Benefits / Communication. In order to ensure that the views of staff within the School of the Physical Sciences are represented, they are looking for *two volunteers from each staff category* to take part in these sessions. If you are interested in taking part in these groups please let [Faith Payne](#) know by *Thursday 18<sup>th</sup> January*.

### Philip Leverhulme Prizes – 2018 round

Nominations and applications for the Philip Leverhulme Prize are now open. Philip Leverhulme Prizes recognise the achievement of outstanding researchers whose work has already attracted international recognition and whose future career is exceptionally promising. Every year the prize scheme makes up to thirty awards of £100,000, across a range of academic disciplines. For the 2018 competition the selected subject areas are: Classics, Earth Sciences, **Physics**, Politics and International Relations, Psychology and Visual and Performing Arts. The disciplines selected are intentionally broad, and nominations will be considered irrespective of a nominee's departmental affiliation. The 2018 round closes to nominations on *Thursday 17<sup>th</sup> May 2018*. Further details can be found on the [Leverhulme Trust webpage](#).

## 2018 L'Oréal-UNESCO for Women in Science UK & Ireland Fellowship Awards Programme

The 2018 L'Oréal-UNESCO for Women in Science UK & Ireland Fellowship Awards Programme is now receiving applications. They will be awarding five outstanding female early-career scientists a bursary of £15,000, which is designed to provide practical help to aid female researchers in continuing their cutting-edge research. The fellowship awards are open to female early-career researchers working in the field of life and physical sciences, engineering, **mathematics** and computer sciences. Applications need to be made [online](#) by the deadline of *Friday 16<sup>th</sup> February 2018*.

## London Mathematical Society Prizes – call for nominations

Nominations are invited for London Mathematical Society Prizes in 2018. Details and nomination forms can be found on the [London Mathematical Society website](#). The application deadline is *Friday 26<sup>th</sup> January*.

## EVENTS

### Betty & Gordon Moore Library – Moore Methods

The Betty & Gordon Moore Library will be running another *Moore Methods Research Skills Programme* during Lent Term. More details and information will shortly be available on the library [website](#).

### Bite-Sized Training Sessions PROFESSIONAL SUPPORT STAFF AND PHD STUDENTS

Following on from last terms sessions there will be two bite-sized topic sessions this term. The purpose of these courses is to take away tips for improvement and / or a greater understanding of the area which may lead to you attending a more in depth course. A sandwich lunch will be provided and there are limited spaces for each session. You can book a space for a session by using the links below.

- *Monday 29<sup>th</sup> January* - Session 3. [Working in Teams](#)
- *Monday 19<sup>th</sup> February* - Session 4. [Getting the best out of people](#)

### Early Career Researcher Programme

The Early Career Researcher Programme at UCCRI is open to all PhD students and Postdocs whose research is related, but not exclusive, to conservation and environmental issues or have a strong interest in this field and would like to meet researchers who work in this area. This programme starts again on *Friday 26<sup>th</sup> January, 12.00noon - 2.00pm* with a science-policy workshop from the Parliamentary Office for Sciences and Technology, and a talk from Ivan Collister, CSaP Policy Fellow and former senior civil servant at No.10 Downing Street. You need to register for this event in advance. Further details and the Term Programme are available on the [Early Career Programme website](#).

## GENERAL INFORMATION

### CMS Christmas Party – Online feedback survey

The Christmas Party was a great success this year and the CMS Christmas Party organising team would like to thank everyone for their help in making it such a splendid evening. They wish to say special thanks to all those that gave so generously to Magpas, last year's chosen charity. Details of the full amount raised (around £500) will be available shortly. In order to assist with the planning of future events a short on-line survey will be circulated and the CMS Christmas Party organising team would be very grateful if as many people as possible could complete it.

### IT Skills Training FOR ALL UNIVERSITY MEMBERS

The University Information Service offers a wide variety of face to face and online IT Skills training to support all University members. Their [Lent 2018 Flyer](#) is now available. The available courses and training can be viewed online [here](#).

### Leave to Work Away and Risk Assessments STUDENTS

#### Leave to Work Away

- PhD and MPhil students must complete an application for [leave to work away](#) if they intend to work away from Cambridge **for more than** two weeks at a time, unless it is holiday agreed with a Supervisor and College Tutor.
- Leave to work away is granted for time away from Cambridge to undertake activity which is directly related to your approved topic of research. There must always be a good academic case for seeking

permission to work away. This applies throughout the period that you are a registered student.

- Applications should ideally be made two months in advance of the departure date. Applications for Leave to Work Away may not be made retrospectively.
- An application to work away can be initiated for: fieldwork; to complete an internship relevant to your research or sponsored by your funding body; returning home to write up or make corrections to a thesis.

### Risk Assessments

As part of the 'Leave to Work Away' application students are required to complete an appropriate [risk assessment form](#), even if they are working elsewhere in the UK or visiting another institution. Students should either email, or submit a paper or electronic copy of the risk assessment to Sarah Dodd, [Graduate Office Manager](#) (C0.14). Applications for leave to work away *will not be approved until* a copy of an appropriate risk assessment is received.

### Personal and Professional Development STAFF

The [Lent Term flyer](#) from Personal and Professional Development (PPD) is now available. Inside there are details of training courses and initiatives from PPD, Health and Safety and Equality and Diversity for all staff members. The available courses can be booked online [here](#).

### Short Leave in Full Term ACADEMIC STAFF

During Full Term Short leave may be requested through the Head of Department for periods of between two and fourteen nights (permission is not needed for an absence of two nights or less).

Requests for absences of more than fourteen nights must be made to the General Board, via the Faculty Board. The [Short Leave application form](#) can be found on the internal DAMTP webpage.

### Supervision Reporting SUPERVISORS

PhD supervisors are reminded that they are required to provide a supervision report on each of their PhD students on at least a termly basis. Full details of how to complete supervision reports, including registration reports, are given on the [Degree Committee website](#). If you are not a UTO you will be eligible to claim a payment of £55 per student per term for supervising. Please note that we can only authorise this payment if you have submitted a report. Forms and queries should be directed to Sarah Dodd, [Graduate Office Manager](#) (C0.14).

### Supervision Training Lent Term

Please note that the Faculty will be offering a supervisor training session on *Thursday 18<sup>th</sup> January*. This will be the last supervision training session offered in this academic year. Places are still available. Information and online booking is available [here](#).

## LOCAL ENVIRONMENT & SUSTAINABILITY

### Recycling at CMS

Every office at CMS should have a blue mixed recycling bin along with a black bin for non-recyclables. Cans, plastics, paper and other recyclables can go into these blue bins but please note that certain types of waste needs to go into dedicated waste streams many of which are detailed below. The black bins in offices should be for food waste, polystyrene, certain types of food packaging such as crisp packets, etc.

There are other types of recycling points around CMS, which we are all encouraged to use:

**Batteries** – there are collection boxes by Reception and to the left of the drinks vending machine in the Central Core.



**Compostable waste, Food waste and Vegware** can go in the green caddies in each common room or in the designated bins by the Café. This waste goes to a Biogen plant in March, Cambridgeshire that produces compost and electricity from the resultant biogas.



**Electrical items** need by law to be collected and disposed of in a separate waste stream there are blue bins labelled as electrical waste in each building.



**Glass recycling** – all glass needs to be separately recycled in the designated bins by the Café. Glass bottles from Friday ‘Happy Hour’ needs to be placed in the large blue bin provided behind the Café by the link bridge.



**Newspapers** – can be left in the Perspex box by the Green Challenge noticeboard in Central Core these will be used for bedding for the Shepreth hedgehog hospital. Feel free to bring in newspapers from home!



**Toner cartridges** – Can be left in the black / yellows boxes in these locations:

Pavilion B - outside B0.25

Pavilion D – in the corridor by the first floor print room

Pavilion E – by the printer outside MR13

Pavilion F – by the printer on the ground floor

Pavilion G - by the ground floor printer

Pavilion H – by the ground floor printer



**Unused spare stationery** – good quality surplus stationery can be left in the box on the table in the Core outside Pavilion G Common Room or returned to the department’s stationery stores.