

FACULTY NEWS BULLETIN

23 October 2019

ANNOUNCEMENTS



PhD Approvals

Many congratulations to the following students who have recently completed their PhD's:

Matthew Crowe	DAMTP	The evolution of ocean fronts in the presence of mixed layer turbulence
Felicity Eperon	DAMTP	Wave Equation on Curved Spacetimes
Jonathan Hung	DAMTP	Advancing the Matter Bispectrum Estimation in Large-Scale Structure
Brieuc Lehmann	DPMMS	Inferring differences between networks using Bayesian exponential random graph models: Application to brain functional connectivity
Eardi Lila	DPMMS	Geometric Functional Data Analysis

Clay Fellowships

The Clay Mathematics Institute (CMI) calls for nominations for its competition for the 2020 Clay Research Fellowships.

Clay Research Fellows are selected for their research achievements and their potential to become leaders in research mathematics. All are recent PhDs, and most are selected as they complete their thesis work. Each Fellowship will normally last until the holder is five years beyond the award of their doctoral degree. Fellows are employed by the Clay Mathematics Institute, which is a US charitable foundation, but may hold their fellowships anywhere in the USA, Europe, or elsewhere in the world, subject to local immigration and employment constraints. The fellowships provide generous salary and research expenses.

The primary selection criteria for the Fellowship are the exceptional quality of the candidate's research and the candidate's promise to become a mathematical leader. Selection decisions are made by the Scientific Advisory Board based on the nominating materials described below.

To nominate a candidate, please send the following items by November 16, 2019, to president@claymath.org, copied to admin@claymath.org:

- letter of nomination,
- names and contact information of two other referees,
- curriculum vitae for the nominee, and
- publication list for the nominee.

The list of former Clay Research Fellows can be seen at

https://claymath.org/fas?field_people_category_tax_tid=58

Betty & Gordon Moore Library – Moore Methods

The Betty & Gordon Moore Library will be running its regular *Moore Methods lunchtime training sessions* on a range of different skills to help make you a well-rounded researcher, student, or just a well-informed human being. Sessions are open to all and further information can be found on the [B&GM Library website](#), as well as the [University Training Booking System](#).

EVENTS

Cambridge-Imperial Computational PhD Seminar

4 November, 12noon-5.30pm, Room 2 Gatehouse, INI

The CICS is a seminar series (twice per academic term) between the mathematics departments of Cambridge and Imperial. Each meeting hosts PhD student talks from both departments on any aspect of computational mathematics, as well as a distinguished plenary speaker. The goal is to strengthen ties between the departments and give students a space to showcase their ideas and research, whilst learning about the broad array of computational topics studied at Cambridge and Imperial.

The first meeting is on Monday 4th November, 12noon-5.30pm (including free coffee and cake), Room 2 in the Gatehouse (INI). The speaker is Nick Trefethen, FRS, Professor of Numerical Analysis at Oxford, and the title is "Polynomials and Rational Functions in Numerical Computation." For more information, please visit this [link](#).

Getting Connected - Postdoc Induction

7 November, 10am-12.30pm, Postdoc Centre @ Eddington at 105 Eddington Place

A must-attend morning with information tailored to postdocs in Cambridge. At this event, you will be given information about:

- Your contract
- Professional development & the careers service
- The postdoc community at Cambridge

and have ample opportunity to meet other postdocs and network.

Please book through <https://www.training.cam.ac.uk/opda/event/3045751>

Assertiveness and Difficult Conversations

15 November, 9.30am-12noon, Student Services Centre at Bene't Street

As a postdoc, you're in a transitional period of your career, one that can be precarious at times or marked by dependency on others.

Inevitably, there are moments when you have to engage in difficult conversations, whether with your PI, your peers, students and/or the people you support or oversee.

Are you able to ask for the things you need and want? Do you spread yourself too thin by saying yes to others' requests for support? Do you have techniques for approaching difficult conversations?

This course is designed to help you develop an assertive mindset and to communicate your needs in an honest, clear, and respectful way.

Outcomes:

- Understand the benefits of being assertive and the difference between assertive, aggressive, and passive thinking and behaviour
- Know what assertiveness looks and sounds like
- Consider different ways to deal with difficult conversations in light of your own behaviour and that of others.

Registration link: <https://www.training.cam.ac.uk/gdp/event/3151228>



The Emmy Noether Society
TERM CARD MICHAELMAS 2019

Fresher's Squash, Wednesday 16th Oct, 16:15
Bateman Room, Gonville and Caius College

Thursday 24th Oct, 19:00
Talk by Elizabeth Mansfield –
"On the Nature of Mathematical Joy"

Thursday 7th November, CMS
Tea and Cake study session

Thursday 14th November, 19:00
Talk by Antonella Zanna

Tuesday 19th November
Movie Night

Thursday 28th Nov, 19:00
Talk by Mary Barker

This term card is provisional - check emails and 'The Emmy Noether Society' Facebook group for final event details. Talks are usually held in Mill Lane Lecture Rooms. Events are free, everybody is welcome!

Emmy Noether Society

Thursday 24 October, 7pm, Mill Lane Lecture Theatre

This Thursday, Elizabeth Mansfield will be giving a talk: "**On the Nature of Mathematical Joy**". The talk will be based on her mathematical travels over the last 30 years and even includes a reference to Emmy Noether!

Everyone is welcome to turn up.

See the Facebook event at <https://www.facebook.com/events/505296873645441/>.

GENERAL INFORMATION

Cambridge Philosophical Society

From its inception in 1819, the Society Membership has been made up of Honorary Members and Fellows. Anyone who would like to become a Fellow in today's society must be recommended in writing by an existing Fellow (who has been a member for at least three years) and a person of appropriate standing, who knows the candidate personally, in a professional capacity. Approved candidates are elected at open meetings of the Society.

As a Society Fellow you will be entitled to:

- Reduced (free to PhD's) subscription to our two journals - Biological Review and Mathematical Proceedings
- Annual summer visit – Previous visits include Kew Gardens, Diamond Light Source, Didcot and the Pitt Rivers Museum, Oxford, find out more in the [events list](#).
- Regular department visits – to places of interest within the University of Cambridge. Previous visits include Whittle Laboratory, Department of Earth Sciences and the Cavendish Museum.
- Access to travel grants – Fellows and Members can apply for grants for travel in the UK and abroad, to attend conferences, visit laboratories and conduct fieldwork
- Access to research studentships. The Society has a Studentship Fund to allow one or more graduate students to conclude a promising piece of research nearing completion

Society Fellows and Members are also welcome to attend any of our public events and lectures with no fee and no need to book. You'll find all the details of what's on this year on our [Events and Visits page](#).

The Cambridge Philosophical Society also run a free and open-to-all, lecture series. For more information about upcoming lectures please visit <https://www.cambridgephilosophicalsociety.org/lectures-visits/lectures>.

To become a member please visit <https://www.cambridgephilosophicalsociety.org/membership/how-to-join>

Travel Insurance

In January 2019 the University Guidance for Travel, Fieldwork and Work Away from Cambridge was reissued. During January to March extensive feedback from Schools, Faculties, Departments and individuals was received by the Safety Office on possible improvements and additions to this document. The University Sub-Committee for Physical Safety formed a working group to review and revise the guidance taking this feedback into account.

This review is now complete and the updated guidance is available on the [Safety Office](#) and [Safeguarding](#) webpages. Please ensure that you use the new risk assessment ahead of your travel and when booking your travel insurance.

Improved Emergency Leave for Dependants

The University recognises the challenges faced by employees who have responsibility for children or older dependants when, for example, childcare provision is unexpectedly unavailable or there are other unexpected changes of circumstances.

In response, provision is being extended with effect from 1 October 2019. The changes include up to 5 working days' paid leave in any rolling 12-month period (pro-rated for part-time employees), with a limit of 2 working days of paid leave on any single occasion. Please see further information in the [Special Leave Policy](#) and relevant [staff guides](#), available from 1 October 2019.

Our Cambridge Photography Competition

The *ourcambridge* team invites you to take part in a new photography competition.

They are looking for images that capture an '*ourcambridge* moment'. As a staff-centric programme, *ourcambridge* is all about recognising and celebrating the work of our professional services people so, ideally, we'd like the photo to feature people. However, we don't want to limit your creativity so if you are able to tell the *ourcambridge* story in a different way, that's fine. The choice is yours.

If you are not sure what an *ourcambridge* moment might look like, the only limit is your imagination! It could be people having a conversation, working together on a project such as a charity initiative or environmental project, sharing a light-hearted moment (as shown in the picture above) or undertaking an *ourcambridge* activity at a workshop or seminar (such as building Lego).

Prizes: The winner will receive a framed certificate, together with a framed copy of their photograph. Two runners up will receive framed certificates.

Entries must be submitted by **Friday 29 November 2019**. for more information, please visit this [link](#)

Quality refurbished bikes at great prices

OWL Bikes

- Come and see our new home in Hawthorn Way, Cambridge
- Grab yourself a bargain second-hand bike or visit us for repairs and accessories
- Support the work of leading disability charity Papworth Trust

Are you looking for a second-hand bike?

We recycle and refurbish unwanted or donated bikes alongside bike repairs and services. OWL Bikes provides an opportunity for adults with a learning disability to work towards goals related to customer service, mechanics and IT, leading to support empowering individuals to access volunteering & employment opportunities.

Papworth Trust
OWL



On Friday 25 October from 10am OWL bikes will be here at CMS to offer:

- refurbished second hand bikes for sale (believed to be in the price range of £70 - £130)
- bicycle repairs (such as puncture repairs, brake cables, etc)
- accessories such as lights and spare parts for sale

They will set up shop in the central courtyard area close to the Betty & Gordon Moore library and will accept cash or you can pay by card.

OWL bikes recycle and refurbish unwanted or donated bikes and this work forms part of a training programme for adults with learning disabilities. Their fully trained mechanics also offer bike repairs and services. OWL = Opportunities Without Limits and is part of the Papworth Trust.

<https://www.papworthtrust.org.uk/owl-bikes/>