

ACADEMIC NEWS

DAMTP:

On Tuesday 6th November the CMIH held its Artificial Intelligence and Machine Learning in Clinical Imaging Research event at The Alan Turing Institute. The event reviewed academic and policy developments in the fields of artificial intelligence and machine learning, as applied in clinical imaging research. The talks given during the conference focused on four key themes which formed the basis for the afternoon discussion session: data governance, multidisciplinary training, engaging industrial partners and developing a pipeline of studies in AI and ML. A fuller report on this event can be read on the [CMIH website](#).

DPMMS:

Congratulations to *Ray Lickorish* who has been announced as one of the [2019 Class of Fellows of the American Mathematical Society](#), 'For contributions to knot theory and low-dimensional topology'.

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

- Arran Fernandez (Non-linear Dynamical Systems)
- Davide Piazzoli (DPMMS – CCA)

DAMTP ACADEMIC VISITORS

The following academics will be visiting DAMTP:

Visitor	Host or Research Group	Dates of visit
Aleksandra Pizurica	Carola-Bibiane Schönlieb	19/11/2018 – 21/11/2018
Gustav Zickert	Carola-Bibiane Schönlieb	05/11/2018 – 18/11/2018
Georg Hahn	Nilanjana Datta	07/11/2018 – 09/11/2018
Felix Leditsky	Johannes Bausch	10/11/2018 – 18/11/2018
Frank Roesler	Anders Hansen	22/11/2018 – 23/11/2018

ANNOUNCEMENTS

Nominations for Faculty Board Student Representatives

Faculty Representatives play an important role in student representation at Cambridge. Faculty reps are elected to amplify the voice of students and to represent students' views to the Faculty.

To ensure that the Faculty takes student needs and concerns into account in all its decision making processes, **one graduate rep** and **two undergraduate reps** sit on the Faculty Board of Mathematics, which meets twice per term, and discusses matters and makes decisions to do with anything and everything in the Faculty.

- The Faculty is holding elections for Faculty reps (two undergraduates and one graduate) on *Thursday 22 November 2018*, to serve from 1st December 2018 to 30th November 2019.
- Nominations must reach *Hannah Fox, the Secretary of the Faculty Board, CMS, by 5.00pm Thursday 15 November 2018*.
- Nomination forms are available from the CMS Reception, or by emailing the [Undergraduate Office](#).

For more information about being a student rep you are welcome to contact the current reps: [Siqi Fang](#), [Richard Moulange](#) and [Alex Chamolly](#); the [Chair of the Faculty Board](#), or the [Undergraduate Office](#).

BAME staff network announced in diversity drive

The University has launched a BAME (Black, Asian and Minority Ethnic) staff network alongside a [new website](#), which details all the policies, procedures, support and reporting options around race equality. Longer term, the Equality and Diversity team is developing diverse recruitment guidelines to help attract more Black, Asian and Minority Ethnic (BAME) staff. Further information can be found on the [staff webpages](#).

Student Support Initiative - Open Meeting **FOR ALL STAFF**

Tuesday 13th November, 3.15pm – 5.00pm, Cormack Room, the University Centre

The Student Support Initiative (SSI) is a Collegiate University initiative to bring together many different projects and objectives into an inspiring campaign which will build momentum and raise money for the benefit of students and enhance our support of them across the Collegiate University. The Strategic Working Group for Access and Participation (SWAP) – the body responsible for overseeing the SSSI – is holding another open meeting to follow on from one held in July this year. This will be an opportunity for staff in the University and Colleges to get an update on recent developments with the SSI and to provide feedback. The meeting will include a presentation from Professor Graham Virgo and Dr Mark Wormald as co-chairs of SWAP. There will also be workshop sessions to consider key challenges and potential responses to them as well as a Q&A. [You need to register to attend this event](#).

There is a [Moodle site for the SSI](#) which gives further information about the initiative. On the Moodle site you can also sign up to receive a newsletter about the SSI.

WiTT (Women in Trading & Technology) **OPPORTUNITY FOR FEMALE STUDENTS**

Sunday 9th – Wednesday 12th December, London

[Jane Street](#) is a quantitative trading firm that uses innovative technology, a scientific approach, and a deep understanding of markets to guide their business, and they will be hosting a fourth edition of WiTT (Women in Trading and Technology) this December. They are inviting students to spend three days in their London office to learn more about what they do and how they do it through a series of classes and activities. Attendees will receive an in-depth look into the ways they use math and computer science, as well as insight into the different roles that exist within their firm. In the trading program, students will learn about mathematical and financial topics such as probability, market structure, and arbitrage through a combination of short classroom lectures, group games, and mock trading sessions. There will be a main curriculum of core subjects, with flexibility to explore alternative areas of interest for those already familiar with a given topic. These activities are structured to provide a foundation for and a broad overview of our work, and there will be plenty of opportunities for close interaction with their traders. Women interested in attending should [make an application](#) to be considered for a spot in the program. The application deadline is *Wednesday 14th November 2018, 11.59pm*. If you have any questions email witt@janestreet.com.

EVENTS

Bite-sized Training Courses 2018-2019

The Faculty of Maths are pleased to offer a lunchtime programme of bite-size topics over the coming months. *The lunchtime sessions are aimed at Professional Support Staff, Part III, M.Phil and PhD students, and post docs.* 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. There are 25 places available on each session and a sandwich lunch will be provided.

Session 1: Getting your message across

Friday 23rd November, 1.15pm - 2.15pm in MR21

"Communication is not a skill to be learned, but an art to be cultivated". This session will include reference to:

- The communication process
- Barriers to communication
- The four key communication styles
- Using assertive communication to get your message across

[You can book a place on this course using this Doodle link.](#)

The following sessions will be:

Session 2: Time management - *Monday 21st January, 1.15pm - 2.15pm in MR4*

Session 3: Working in teams - *Monday 18th February, 1.15pm - 2.15pm in MR4*

Session 4: An introduction to negotiation skills - *Monday 18th March, in MR4*

Session 5: Building personal resilience – *Monday 8th April, 1.15pm - 2.15pm in MR21*

Emmy Noether Society

The [Emmy Noether Society](#) will be hosting the following events:

Tuesday 13th November, 6.00pm in Mill Lane, Room 6

Constanze Roitzheim (University of Kent) will be speaking on, 'Stable homotopy groups - Music of the stable spheres'.

Abstract: Stability is a phenomenon that adds a lot of structure to algebraic topology, particularly to homotopy groups. She will explain and motivate the construction of stable homotopy groups and give a brief overview of examples, known results and open challenges. This talk does not require any prerequisites in topology. All are welcome.

Thursday 29th November, 3.00pm CMS, Central Core

Tea and Cake – all are welcome to drop in

Equality & Diversity

International Day for the Elimination of Violence Against Women

Tuesday 27th November, 12.30pm - 1.30pm, at the Runcie Room, Faculty of Divinity, Sidgwick Site

Join Rachel Kryz, Co-Director of End Violence Against Women to discuss current issues around sexual harassment and the challenges that wider cultural attitudes bring to issues of tackling abuse against women and girls. If you wish to attend [you can book a place using this link.](#)

Trans Awareness

Wednesday 21st November, 12.30pm - 1.30pm, in the Seminar Room B, 17 Mill Lane

This session will set the wider context for trans identities, provide greater understanding of the experience of trans people and explore uses of language and key terms such as cisgender, non-binary and transgender, all in a safe supportive environment. [You can book a place using this link.](#) Please note it is currently full and you can only sign up to the waiting list.

Showcasing Tools and Resources for Graduates (STEM)

Wednesday 21st November, 12noon – 2.00pm, Lecture Room6, Mill Lane.

This event will allow participants to explore lots of different tools and resources that can help them with their work at Cambridge. Tools and resources on offer include:

- reference management software (Zotero & Mendeley)
- sharing your work (blogging & Twitter)
- managing your time and work (Trello & cloud storage)
- presenting your work (Canva & Creative Commons images)

For more information please check out [the UTBS event page](#). This is a drop in the event, however, they do encourage people to book so that they have an idea of numbers planning to attend. Pizza will be available on a first come, first served basis.

GENERAL INFORMATION

CMS Safety Committee

As it is now getting darker earlier, and colder, the CMS Safety Committee have asked us to note the following:

- Care must be taken by cyclists when joining Clarkson Road from the path next to the Isaac Newton Institute.
- Clarkson Road and the corner of Clarkson Road / Wilberforce Road in icy conditions is not usually gritted by the Council, however, CMS do salt this stretch of road when they can, and their advice is to slow down going around the corner as this is a site of frequent accidents.
- Cycling is not permitted through the central courtyard area, nor can bicycles be brought into the CMS buildings. There are plenty of sheltered cycle racks across the site.

BE SAFE BE SEEN

Find out how you can stay safe cycling in the winter online at www.environment.admin.cam.ac.uk/what-are-we-doing/travel

- 1 Wear bright reflective clothing.
- 2 Put a white front light and red back light on your bike.
- 3 Put a red back reflector on the back of your bike.

Web: www.environment.admin.cam.ac.uk
Email: environment@admin.cam.ac.uk

CUenvironment
@CambridgeSust

THE CAMBRIDGE green CHALLENGE

Short Leave during Full Term FOR THE ATTENTION OF UTO's

During Full Term a period of Short Leave (2 – 14 nights) may be requested through your Head of Department, using the appropriate form:

[DPMMS Short Leave form](#)

[DAMTP Short Leave form](#)

Permission is not required for an absence of two nights or less. Requests for an absence of more than fourteen nights must be made to the General Board, via the Faculty Board using the [CHRIS/67 form](#).