

FACULTY NEWS BULLETIN

25 February 2020



ANNOUNCEMENTS

To celebrate the International Day of Women and Girls in Science 2020 on 11 February, the Alan Turing Institute published a blogpost from Professor Mihaela van der Schaar. <https://www.turing.ac.uk/blog/creative-approach-tackling-ai-gender-imbalance>

PhD Approvals

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

Kanwar Nain Singh	DAMTP	Instability and mixing in a turbulent stratified Taylor-Couette Flow
Eric Faber	DPMMS	Homogeneous models and their toposes of supported sets
Megan Griffin-Pickering	DPMMS	Contributions to the derivation and well-posedness theory of kinetic equations
Marius Leonhardt	DPMMS	Plectic arithmetic of Hilbert modular varieties
Zhiyou Wu	DPMMS	The Plectic Weight Filtration on Cohomology of Shimura Varieties and Partial Frobenius

Girls in STEM



Girls in STEM is a student organization dedicated to inspiring women of all socioeconomic and cultural backgrounds in the fields of science, technology, engineering and mathematics through hands-on scientific experiments, talks and more. They are currently recruiting members and volunteers who are interested in attending outreach events, career panels, workshops, and much more. If you are interested, please sign up for their newsletter by filling out the following form: <https://forms.gle/WoUyoch437BMJzJU9>. For more information, please contact girlsinstem.cambridge@gmail.com.

Researchfish Reminder - 2020 submission

This notice applies to those who receive funding from the following sources: *URIK (AHRC, BBSRC, ESRC, MRC, NERC, EPSRC, STFC), BHF, CRUK, Cystic Fibrosis Trust, NIHR, Alzheimer's Research UK, NC3Rs, Rosetrees Trust, and the UK Space Agency.*

A reminder that this year's [Researchfish](#) submission period closes at **4.00pm on Thursday 12 March**. Please read the information supplied on the Researchfish website and respond to the email you should have received about making your submission. You are required to make your submission before the deadline.

If you have anything you would like to be included in the next News Bulletin please send details to newsbulletin@maths.cam.ac.uk by Wednesday 4 March 2020. **The next issue will be published w/c 9 March 2020.**

EVENTS

Fluid Mechanics in the Spirit of G.K. Batchelor

15-18 March, CMS

This meeting is to commemorate the life and work of George Batchelor (1920 – 2000). George was a towering figure in the field of fluid mechanics carrying out ground-breaking research on turbulence and then on micro-hydrodynamics. In addition to his personal research George established DAMTP where this meeting is being held. DAMTP has trained many prominent researchers in fluid mechanics from the UK and around the world and hosted many academic visitors working in the subject.

Globally, George founded the Journal of Fluid Mechanics, arguably the most highly-regarded and influential journal in the field that is read by scholars world-wide. He also fostered international collaboration by being one of the founders of EUROMECH and he played a prominent role in IUTAM, both of which are sponsoring this meeting along with Cambridge University Press that publishes JFM. He also took personal leads in establishing contact with scientists behind the Iron Curtain and with China once relations softened at the end of the Cultural Revolution.

This meeting, sponsored by **EUROMECH, IUTAM, Cambridge University Press** and **Trinity College** will celebrate these achievements by bringing together 50 invited speakers from around the world. These will include Plenary lectures from the three previous Batchelor Prize winners, **Howard Stone** (Princeton, USA), **Detlef Lohse** (Twente, Netherlands) and **Ray Gossard** (Cambridge, UK), and plenary lectures from Berenger Dubrulle (SPEC, Saclay, France), **Rama Govindarajan** (ICTS, Bengaluru, India) and **Xiaoqing Zheng** (Lanzhou, China).

Spaces are still available to attend the symposium; if you wish to attend please register [here](#) or for more information about the event, please use this [link](#). A [Draft programme](#) is available.

Computation Day "Optimise, Open and Learn"

23 March, CMS

The Research Software Engineering group at the University of Cambridge are holding a "Computation Day" on 23rd March at the Centre for Mathematical Sciences. Speakers from across the university will talk about code optimisation, open source software, and machine learning. An Intel speaker will also be present, introducing their new OneAPI framework. Anyone with an interest in computation for research is welcome to attend. Lunch will be provided.

To attend, and for further details, please register at rse.group.cam.ac.uk/computation-day-2020

Research Symposium, Cambridge Centre for Data-Driven Discovery (C2D3)

22 April, 9.00am to 6.10pm, West Court, Jesus College

The [Cambridge Centre for Data-Driven Discovery](#) (C2D3) is holding a Research Symposium on 22 April. During this one-day symposium, leading Cambridge academics will showcase their latest research alongside lightning talks from early career researchers. Invited industry leaders from innovative businesses will be joining us to discuss the use of advanced data science methodologies in real-world applied applications. The two keynote speakers from academia and industry are, Prof Neil Lawrence and Dr Orlando Machado (Aviva), respectively.

Delegate registration opens on Monday 2 March.



The poster features a green and blue gradient background. At the top left, there is a logo with 'C2' and 'D3' in white boxes. To the right of the logo, the text reads 'Cambridge Centre for Data-Driven Discovery'. Below this, 'Research Symposium' is written in a large, white, sans-serif font, followed by '22 April 2020' in a smaller font. A horizontal dotted line separates this from the main title 'Lightning Talks with Posters Abstract Call', which is also in white. Another horizontal dotted line is below the title. At the bottom, it says 'University of Cambridge PhD Students and Early Career Researchers', 'Applications open 3 February 2020', 'Closing date 1 March 2020', and 'Full details on the event website [here](#)' with a circular arrow icon. A small paragraph at the very bottom states: 'C2D3 are looking for talks that showcase the depth and breadth of data science applications from the University, and research that industry will find interesting and informative. A prize will be awarded to the best lightning talk with poster, assessed by our industry colleagues.'

Lightning Talks with Posters - Abstract Call

Applications to present a lightning talk with a poster are open to PhD students and Early Career Researchers, from across all the University Schools. They are looking for talks that showcase the depth and breadth of data science applications from the University, and research that industry will find interesting and informative. A prize will be awarded to the best lightning talk with poster, assessed by our industry colleagues.

Closing date for Lightning talk with poster applications is **Sunday 1 March**. Please visit the [event webpage](#) for full details and to apply.

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5th March, 1-2pm

The Pink Room, Betty & Gordon Moore
Library

Know Moore About...Referencing

Thursday 5 March, 1pm-2pm, Pink Study Room, Betty & Gordon Moore Library

From fair dealing to sharing your research online it seems that nothing with copyright is ever simple. There are few black and white rules about copyright but there can be serious consequences for getting things wrong! This session will cover the basics of UK copyright law and how these impact researchers such as dealing with third party materials, seeking permissions and how to manage risk.

To book a place, please use this [link](#)

Save the Date: Dirac Lecture 2020

Thursday 14 May, 2.30pm, MR2

DAMTP and St John's College are very pleased to announce the date and speaker for this years Dirac Lecture at 2.30pm in MR2, Professor Juan Maldacena - Princeton University

All are welcome

GENERAL INFORMATION

Expenses Claims - Employee Subsistence Rates

The University's subsistence rates were updated in January, please visit [here](#) for more details.



If you have young children visiting CMS with you, please be aware that the Faculty has recently purchased a high chair for use in CMS. Should you wish to use it, please contact Reception.

A wall mounted folding baby changing table is also being sourced and we'll update you with its location when it's in place.