

ACADEMIC NEWS

DAMTP:

Stephen Hawking's final book, [Brief Answers to the Big Questions](#), will be launched this week.

A study co-authored by *Colm-cille Caulfield* (DAMTP) and Paolo Luzzatto-Fegiz (UC Santa Barbara), which looks at how to develop ways to improve windfarm productivity, is featured in [Phys.Org](#).

Details of *Adrien Lefauve's* Young Scientist Award, awarded at the 12th Euromech conference, can be found [here](#).

The Guardian has recently reported on the publication of [Stephen Hawking's final paper](#) 'Black Hole Entropy and Soft Hair', which was co-authored by *Malcolm Perry* and *Sasha Haco*.

Congratulations to *Jacob Smith* who has won an Early Career Researcher Prize at the SPARC (Stratosphere-troposphere Processes And their Role in Climate) General Assembly in Kyoto, which took place in early October. He was awarded the prize for his poster: '*Causes of stratospheric water vapour variability in reanalysis and UKCA chemistry climate model*'. The Prizes were sponsored by Project Loon, which is working on providing high-speed internet access to remote areas across the world using a network of stratospheric balloons. Jacob's PhD research is supported by a NERC Industrial CASE project with the UK Met Office supervised by *Peter Haynes* (DAMTP), *Amanda Maycock* (Leeds) and *Andrew Bushell* and *Neal Butchart* (UK Met Office).

On 19th September *Peter Wadhams* gave the keynote address at the Peace BAR Festival at Kyung Hee University, Seoul, celebrating the 37th anniversary of the UN International Day of Peace. The address was on 'The Crisis of the Earth and the Future of Humanity'. At the same time the Korean edition of his book, 'A Farewell to Ice', was published by Kyung Hee University; this is the seventh foreign language edition.

DPMMS:

Congratulations to *Jack Thorne* (DPMMS) and *Yifeng Liu* (Yale) jointly awarded the [2018 SASTRA Ramanujan Prize](#).

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

- Matthew Arran (Fluid Mechanics)
- Josephine Evans (DPMMS – CCA)
- Chandrima Ganguly (Relativity and Gravitation)
- Laird Robert Hocking (DAMTP – CCA)
- Seok Young Hong (DPMMS)
- Panayiota Katsamba (Biological Physics & Mechanics)
- Charlotte Kirchhoff-Lukat (Relativity and Gravitation)
- Sean Moss (DPMMS)
- Irina Rasolonjanahary (Fluid Mechanics)
- Benjamin Wallisch (Relativity and Gravitation)

DAMTP ACADEMIC VISITORS

The following academics will be visiting DAMTP:

Visitor	Host or Research Group	Dates of visit
Kassandra Anderson	Roman Rafikov	15/10/2018 – 19/10/2018
Ryan Miranda	Roman Rafikov	15/10/2018 – 19/10/2018
George Mamatsashvili	Astrophysics	22/10/2018 – 24/10/2018
Zeljko Kereta	Cambridge Image Analysis	22/10/2018 – 31/01/2019

ANNOUNCEMENTS

Betty & Gordon Moore Library – Moore Methods

1.00pm – 2.00pm, Glass Room, Betty & Gordon Moore Library

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](#).

The team at the Moore also contribute to a University-wide *STEM Researcher Development Programme series* of sessions which run throughout Michaelmas Term. For more information, please see the [University Training Booking System](#).

Georgina Cronin, Research Support Librarian, and Amy Theobald, Research Support Assistant, encourage students and researchers to sign up to these sessions. If you have any questions about these sessions, or need any help with research related matters do contact the [Moore's Research Support team](#).

Equality & Diversity Committee For the attention of Undergraduate students, PhD students and Research Staff

Interested in equality? Want to add Committee experience to your CV? Want to represent your peers? Have something to say about how to make the Faculty of Maths more inclusive? Keep reading!

On behalf of the Chair, Professor Mike Cates, Vivien Gruar would like to invite you to sit on the Faculty of Maths Equality and Diversity Committee.

The Faculty's Equality and Diversity Committee is looking to recruit student representatives (one undergraduate and one postgraduate) and researcher representatives (one from each Department) for at least a 1-year term (with the possibility of renewal). This is an opportunity to contribute to the Faculty and support them in their aim of ensuring that we all have the opportunity to work and study in an inclusive environment. The Equality and Diversity Committee promotes a culture of participation and inclusivity, raises awareness of equality and diversity issues, embeds Equality and Diversity values and working practices, identifies obstacles and problem areas, identifies equality priorities and objectives, and proposes actions to meet these priorities and monitor progress. Its remit is to consider all the protected characteristics including gender, race, disability and sexuality for both staff and students.

If you are interested in serving on this Committee, at present or in the future, please email [Vivien Gruar](#) by *Tuesday 30th October*, including a brief paragraph on why you would be interested in the role. For students, please also include the name and email address of your Director of Studies. If you have any questions or would like to know more then please do feel free to email [Vivien Gruar](#).

Research Operations Office

Please note the new changes about submitting your grant applications to a funder. Full details are available on the [Research Operations Office website](#).

New research grant application deadlines...



Important information for principal investigators and administrators



<https://www.research-operations.admin.cam.ac.uk/submitgrantapp>

Smith–Knight and Rayleigh–Knight Prizes 2019 PHD STUDENTS

One or more Smith-Knight Prizes, and one or more Rayleigh-Knight Prizes for essays on any subject in Mathematics and its applications, are offered for competition in 2019.

The Prizes are open to:

- (a) any member of the University, if at the latest date for the submission of essays at least three but not more than five, complete terms have passed since the term of his or her admission as a Graduate Student; or
- (b) any Bachelor of Arts of the University who is not a Graduate Student of the University if, at the latest date for the submission of essays, at least three, but not more than five complete terms have passed since he or she last obtained Honours Examination or was approved for the M.Phil. Degree or for a Diploma.

The purpose of the Prize competition is to encourage beginning researchers in mathematics in their conduct and write-up of new and original work. The deadline to submit an essay is: *Tuesday 15th January 2019*.

Further information on the prizes can be found on the [Smith-Knight & Raleigh-Knight Prizes webpage](#).

The Vice-Chancellor's annual address

The Vice-Chancellor marked the start of the new academic year by giving his annual address to the University in the Senate House on Monday 1st October. Details of his annual speech are [available via this link](#).

EVENTS

Annual Race Equality Lecture - Race and Merit: Dismantling Myths

Monday 22nd October, 5.30pm – 7.00pm, Palmerston Room, St John's College

As a world-leading institution, Cambridge can often take for granted recruitment and promotion on the basis of "merit". But what is meant by "merit"? Does the current definition in Cambridge contribute to sustaining racial inequalities? The keynote speaker Baroness Valerie Amos, Director of SOAS University of London, will explore these topics looking at perceptions of "merit" and how they influence and impact understanding of discrimination and prejudice. If you wish to attend please use this [link to book a place](#).

Cambridge Festival of Ideas

Monday 15th – Sunday 28th October

This year's [Festival of Ideas](#) includes over 200 events and exhibitions, which will explore subjects ranging from the future of capitalism and whether marriage is healthy, to how democracy ends, and what we can learn about empathy from mystical experiences during epileptic seizures. It is now possible to [book a place at these events](#).

Women in Maths

The following events may be of interest to women students and staff:

The Association for Women in Science and Engineering cordially invites you to take part in their workshop series: [4 Steps to Career Success: CamAWiSE WiSE-UP series](#). All these talks will take place at *Lucy Cavendish College*, and you can join them for all the steps or take a single-step workshop. The 4 Steps to Career Success will include all important Networking over coffee and cake. All are welcome, STEMM and non-STEMM background. You can find out more details about CamAWiSE and these talks using the link above.

- *Tuesday 16th October*: '[Choosing your Career path](#)', presented by Naili Makangu (Featurespace, Past president of JCI Cambridge), at Lucy Cavendish College
- *Tuesday 20th November*: 'Get noticed with your CV', presented by Claire Button (CEO, Fusion Biomed & Antibodies.com)
- *Tuesday 12th March 2019*: 'Perfecting your interview skills', presented by Megan Loubser (HR, Johnson Matthey)
- *Tuesday 9th April 2019*: 'New job? Excel in your first 90 days', presented by Natacha Wilson (Director, Cambridge Insights)

GENERAL INFORMATION

Changes in Administrative Staff

New starter:

We are delighted to announce that *Mrs Caroline Bell* will be joining DAMTP in the Undergraduate Office on *Tuesday 16th October*. Her contact details will be:

Ext: 66879

Email: undergrad-office@maths.cam.ac.uk.

Room: B1.28

LOCAL ENVIRONMENT & SUSTAINABILITY

Annual Staff Travel Survey **NOW OPEN**

Have your say on the transport issues at the University and in Cambridge and how we can improve your journeys. Every year the University gathers data from staff about their journeys to work and at work via the Annual Staff Travel Survey. This is done for a number of reasons:

- To better understand the changing travel needs of our staff.
- To determine if there is a business case for investing in new transport initiatives for staff.
- For travel plan monitoring and planning requirements.
- To collaborate with partners and Cambridge wide initiatives, such as the Greater Cambridge Partnership, to feed in to transport data from Cambridgeshire businesses.
- To provide data to Higher Education Statistics Agency (HESA) as part of the Estate Management Record.

We would like to collect information from as many staff as possible. Staff can also choose to be entered into a prize draw to win £150. The survey should take approximately 20 minutes to complete and the information supplied will be kept confidential. Participants can also sign up to a transport mailing list to receive regular updates from the Environment and Energy Section.

The [travel survey](#) is open now until *Sunday 28th October*.

Botanic Gardens – Apple Day

Sunday 21st October, 10.00am – 4.00pm

This is the region's largest Apple Day: with apple tasting and sales, local produce stalls, food trucks, children's activities, cider bar and live musical entertainment. You can bring along your own apples for identification by the East of England Apples and Orchards Project who will also be providing apple tree care and pruning advice. You can also sign up on the day for a free Garden tour by one of our experienced guides. To avoid the queues it is recommended that Apple Day tickets are bought in advance from the Garden's ticket offices or [online](#). The [Botanic Gardens website](#) has full details on this event.