

FACULTY NEWS BULLETIN

8 October 2019

ANNOUNCEMENTS



Congratulations to Oscar Randal-Williams who has been awarded the "Dannie Heineman prize" by the Akademie der Wissenschaften zu Göttingen.

Peter Wadhams gave an invited keynote address at the 38th Peace BAR Festival at Kyung Hee University, Seoul, South Korea on 19 September. The annual festival is held on the UN International Day of Peace, and the theme in 2019 was the need for action on climate change. His fellow speakers were Ban Ki-Moon, former UN Secretary General, and Irina Bokova, former Director-General of UNESCO.

Professor Stephen Morris, from the University of Toronto, is visiting Jerome Neufeld and Ray Goldstein until 7 December.

STEM For Britain

Applications for STEM for Britain 2020 are now 'live' at <http://www.stemforbritain.org.uk/>.

STEM for Britain 2020 will take place in the Houses of Parliament on **Monday 9 March** during British Science Week.

Applications opened on Monday 23 September 2019 to early-career research scientists, engineers, technologists and mathematicians who wish to exhibit posters in one of the following five areas:

- * Biological and Biomedical Sciences
- * Chemistry
- * Engineering
- * Mathematical Sciences
- * Physics

There will be two poster exhibition and judging sessions during the day, each ending with a reception and prize-giving. The competition attracts over 500 entrants, of whom approximately one third are selected to present their work in Parliament.

The closing date for applications is Monday 2 December.

Cambridge Centre for Data Driven Discovery (C2D3)

The interdisciplinary research centre, Cambridge Centre for Data Driven Discovery (C2D3), has moved offices from the Cavendish Lab to CMS Pavilion F. C2D3 brings together researchers and expertise from across the academic departments and industry to drive research into the analysis, understanding and use of data science. They can support any funding bids on data science and can research into their networks to find individuals to strengthen bids. More information can be found through our website bigdata.cam.ac.uk.

OPdA Mentoring Scheme

The Office of Postdoctoral Affairs aims to support postdocs at Cambridge University and associated Research Institutions. For four years now, they have been running a very successful mentorship scheme for postdocs with academics and people from industry acting as mentors. They are currently looking to find academic staff who are happy to listen, question and discuss a postdoc's situation, and this year they are short of mentors with a background in Physics and Engineering.

The approach for mentoring is that of 'developmental mentoring' which requires the postdoc to be the driving force, for example by arranging the meetings and setting topics and deadlines for themselves. Postdocs participating in the scheme generally are looking to talk through a range of subjects from the personal to the professional with someone who understands their subject but is not too close.

If you are interested in the scheme or for further information, please contact Dr Anke Friedrich at mentoring.opda@admin.cam.ac.uk.

Donation to Centre for Theoretical Cosmology



The Centre for Theoretical Cosmology is extremely grateful to receive the donation of a painting of Stephen Hawking by the late British-born Canadian artist, Frank Barry, father of Ailsa and her brother Christopher Barry. The artwork, entitled "Homage to Stephen Hawking," was painted in 1990, not long after Stephen published his bestselling book *A Brief History of Time*, through which he became known to the wider public around the world.

The painting was generously offered to the CTC by Ailsa Barry and her husband, Jonathan Sakula. The unveiling took place on 17 September 2019, nearly 18 months to the day after the death of Stephen Hawking, with Ailsa and Jonathan in attendance along with Nigel Peake, Head of DAMTP, and a select group of other CTC and DAMTP members.



EVENTS

Saffron Hall Oxford **Philharmonic Orchestra** op
Wednesday 16 October 2019
Saffron Hall, 19:30
Debussy
Prélude à l'après-midi d'un faune
Stravinsky
Symphony in Three Movements
Bartók
Music for Strings, Percussion & Celesta
Marcus du Sautoy
presenter
Marios Papadopoulos
conductor
Half price tickets for under 18s and students
Tel: 0845 548 7650
20 pax minibus - access charge
saffronhall.com

Music & Maths – with Marcus Du Sautoy and the Oxford Philharmonic Orchestra
Wednesday 16 October, 7.30pm at Saffron Hall, Saffron Walden

University of Oxford Simonyi Professor for the Public Understanding of Science, Marcus du Sautoy presents Music and Maths, a concert exploring 20th-century works by Debussy, Stravinsky and Bartók and the mathematical structures which underpin them.

Student tickets are half price, there will be a **free minibus** running between Audley End station and Saffron Hall, and there will be delicious **hot bowl food** available for purchase in the foyer before the show.

Buy your tickets now: <http://bit.ly/2mWW8pa>.

Sir Michael Atiyah: Forays into Physics
Friday 25 October, INI

The INI are hosting a one day event to celebrate Sir Michael Atiyah's contributions to physics. Lectures will start at 11.15am.

Confirmed speakers are :

Sir Roger Penrose: Michael Atiyah's roles in the drive towards a twistor theory of physics.
Nigel Hitchin: Gravitational instantons and cubic surfaces.
Paul Sutcliffe: Solitons and points.
Matilde Marcolli: Anyons, networks, and codes in geometric models of matter.
Nick Manton: Skyrmsions.

If you wish to participate in the meeting, please register by completing the google form <https://forms.gle/neZL8MqEEzrkoAuY7> . Registration is free, but the number of participants is limited.

CMIH and CCIMI Events

Artificial Intelligence Developments in Healthcare Imaging

23 & 24 October

This user engagement event will focus on artificial intelligence and will provide an update on some of the research projects and collaborations taking place in the CMIH. It will feature presentations from CMIH researchers and Industry Partners, as well as other academics and end users in the public sector and industry.

Please follow the link to the [event website](#) to view the programme and further details.

CCIMI Colloquium

13 November

The second CCIMI Colloquium will feature a talk by [Professor Mark Girolami \(Cambridge\)](#) on 'The Statistical Finite Element Method'. This will be held on Wednesday 13 November at 5pm, at the Centre for Mathematical Sciences, University of Cambridge. This event will be followed with a wine reception.

The event is free, but registration is required: <https://ccimi-colloquium-mark-girolami.eventbrite.co.uk>

CCIMI - Connecting with Industry Day 2019

27 November

The main focus of this one day industrial engagement event is to provide an update on research and collaborations taking place at the CCIMI, as well as presenting interesting research being developed elsewhere.

The talks will highlight research taking place at CCIMI, with associated industrial speakers and will look to explore the big questions in data science, especially where mathematics is most suited to help provide answers. This event will be of interest to participants including economists; social scientists; physicists; engineers; biomedical scientists as well as those working in statistics; pure, applied & computational analysis; quantum computing, cryptography, communication & security and those from data processing.

To register for the event and for additional information please [click here](#).

Cambridge Festival of Ideas 2019

Monday 14 - Sunday 27 October

Featuring hundreds of free events over two weeks, the annual Festival of Ideas returns with a packed programme of lectures and debates, workshops, exhibitions and hands-on family activities. From [quiz show style fun at the Museum of Zoology](#) to [party games at the Whipple Museum](#), you will find plenty on offer. Check out the [Festival website](#) to find out more.

Black History Month 2019

Lectures, films, discussion panels and exhibitions are being held across Departments and Colleges during Black History Month 2019. For details of events please [click here](#).

Annual Race Equality Lecture

14 October 5.30-6.30pm, Palmerston Room, St John's College

David Lammy MP will be in conversation with Gillian Joseph, from Sky News, about his personal journey and how race and racism have shaped his life, as well as a variety of topics including: how racism manifests itself in organisations today, the barriers to career opportunities faced by BAME staff and how to overcome them, the lack of BAME role models in senior positions, and how to increase BAME access and representation in leading professions.

Black Mathematics at Cambridge

26 October, 1.30-4.30pm, MR2, CMS

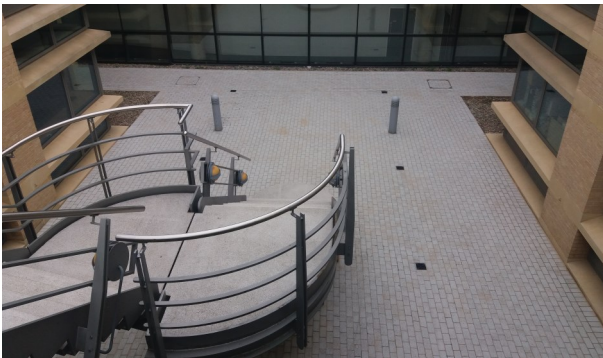
An event to showcase black mathematicians and their contribution, and inspire young black students to study mathematics at University. There will be a key note talk by Dr Nira Chamberlain, President Elect of the IMA (Institute of Mathematics and its Applications), short presentations by current researchers and recent graduates, and a panel discussion with current and recent students.

LGBT Mathmos

LGBT Mathmos hold regular tea and cake socials in CMS. The first of these will be on **Friday 18 October at 2.30pm** in the central core and every fortnight thereafter during term. Everyone is welcome, so do please come along and say hello. There is also a LGBT+ Math mailing list which you can sign up to at <https://lists.cam.ac.uk/mailman/listinfo/soc-maths-lgbt> which includes reminders and information about other events.

GENERAL INFORMATION

Your work environment

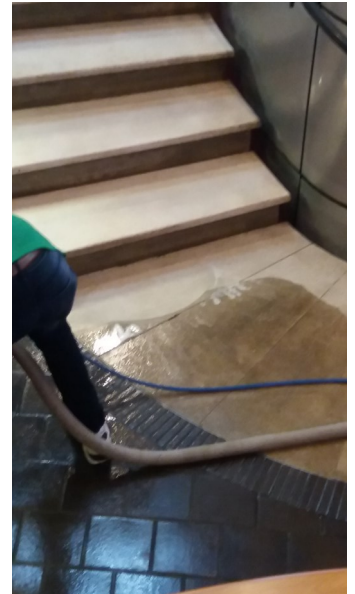


This summer much work has been ongoing to clean the pavers, Yorkstone and the coping stones in the terraced gardens throughout the CMS site and to bring them back to near original condition.

All of the pavers at lower ground floor level and many of the paths and coping stones in the terrace garden areas have been steam cleaned to remove the build-up of dirt, moss and lichen over the last two decades.

Much of the Yorkstone paving has been steam cleaned in the main courtyard area and the coping stones which were black are now a brilliant white. Works are ongoing to re-point all the joints in the paving and the gardeners are surface dressing and re-seeding the grass following the damage from two dry summers.

Carpets have been replaced in Pavilions C & D ground floor corridors, the common rooms in Pavilions D, F & H and in MR 14 along with ten offices across the site. The Betty & Gordon Moore library have had all the staircases re-carpeted and the carpet tiles in the entrance lobby replaced. In all cases we are using the same high specification products as in the original build.



Anti bribery and Corruption Training

Just a reminder to all managers and PI's that if you haven't done so already, please can you complete the anti bribery and corruption online training module <https://www.training.cam.ac.uk/course/fin-comp-abc>.