

FACULTY NEWS BULLETIN

15 February 2022

ANNOUNCEMENTS

Congratulations to Professor Anne-Christine Davis and Dr Sunny Vagnozzi who have been awarded a [2021 Buchalter Cosmology Prize](#) for their paper on the XENON1T anomaly, proposing novel ways to directly detect dark energy.



David Crighton Fellowships 2022

The David Crighton Fund was set up in memory of the late Professor David Crighton FRS, to provide support for young scholars in his research field, i.e. the subfield of applied mathematics concerned with fluid mechanics, acoustics, waves and vibration. The managers of the Fund are accordingly offering up to four David Crighton Fellowships for research students and postdoctoral fellows in these areas. Applications are welcome from candidates based in Departments of Mathematics, Engineering or Physics in Cambridge and elsewhere.

The David Crighton Fellowship award is to be used to cover actual travel and subsistence expenses, up to a maximum amount of £4,000, to facilitate two to three months' study and research. Under normal circumstances we would expect fellowships to be taken up within 12 months of the successful candidates being notified of the outcome of the competition. Candidates based *outside* of Cambridge will have the opportunity to undertake study and research in Cambridge, whereas award winners currently based *in* Cambridge can utilise funds to travel elsewhere. Applicants should normally be in the second half of their PhD research, or have no more than three years' postdoctoral experience.

To be considered for an award, the following documents should be submitted by email to the Head of Department's Secretary hod-sec@damtp.cam.ac.uk.

- A brief curriculum vitae
- A description of the candidate's research topic, limited to one page
- A statement of the benefit that can be expected from the proposed period of study
- A letter from the proposed senior host stating that he or she agrees to accept the candidate to study with them between specified dates, countersigned by the host's Head of Department
- A detailed statement of expected travel and subsistence expenses
- Full contact details for two academic referees (name, address, telephone/fax numbers and e-mail address). Referees should be asked to send letters of recommendation to include details of their assessment of the applicant's suitability for a David Crighton Fellowship including the benefits they are likely to gain from their visit, directly to the Head of Department's Secretary, hod-sec@damtp.cam.ac.uk.

Applications and references should be received by the Head of Department's Secretary by: 18 March 2022.

NRICH Update



NRICH, the school maths outreach team based in the Faculty and led by Dr Ems Lord, has just released an exciting new set of resources for schools focusing on proof which cover primary, secondary and post-16 age groups. The NRICH team hope that the younger members of families will enjoy working on the problems, and please don't forget that they welcome solutions up to their deadline of Monday 21st March (they'll be publishing a selection of those they receive on the NRICH website):

- [Activities for primary ages \(5-11 years-old\)](#)
- [Activities for secondary ages \(11-18 year-olds\)](#)

STEP Support Programme

The STEP Support Programme (STEPSP), a collaboration between the Faculty of Mathematics and NRICH, is busy preparing its latest series of online webinars which will be offered to all UK state school students who have been given a STEP offer from Cambridge. First year students who took part themselves as candidates last year have volunteered to support the webinars this year as student mentors, and they are looking forward to helping this year's candidates achieve their best possible STEP results.

In January, the STEPSP launched their weekly Y12 course which enables students to challenge themselves with advanced problem-solving activities in readiness for tackling the STEP 2 modules later in the year. This means that prospective mathematics undergraduates now receive up to 18 months free support from the STEPSP.

As part of the ongoing cycle of STEPSP evaluation and future development, the STEPSP's Claire Metcalfe and Director of NRICH Dr Ems Lord invited first year students in the faculty for their feedback regarding the impact of the programme, not only on their preparation for STEP but also their undergraduate studies. Their feedback was incredibly positive about their experiences using the STEPSP online materials and the weekly live webinars, but they also noted that the STEPSP was the only preparation programme where they were able to problem-solve on a weekly basis with faculty undergraduates, which they reported was extremely useful preparation for their Part 1 studies.

Researchfish - 2022 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.

This year's [Researchfish](#) submission period runs from **7th February 2022 to 4pm on 17th March 2022**. 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.

EVENTS

Know Moore About: CopyWRONG to CopyRIGHT - for researchers in STEMM

22 February, 1pm-2pm

This session will introduce the basics of copyright, outline how you can use the work of others in your own and how to safely share your work at the end of a project. They will also look at Creative Commons licences and how these can help you understand and grant permission to use work.

Book a place [here](#).

Writing for publication - for researchers in STEMM

22 February, 1pm-2pm

This course designed is to take you step-by-step through academic writing and publication, with tips and resources to make writing up as simple as possible. The course will demystify the peer-review process, and help you to improve the precision and clarity of your academic writing.

Book a place [here](#).

LGBT+ History Month Lecture: Education as Liberation

28 February, 5pm-6pm

What role should education, and the education system, play in queer liberation? This year's LGBT+ History Month concludes with a Q&A discussion, exploring both the historical role of the education system in the experience of sexuality and gender minorities, and a future perspective on the role that education can play in achieving equality. The panel of **Shon Faye**, **Sarah Franklin** and **Duncan Astle** will be fielding questions and discussing the role of education in queer liberation.

They would like to gather as many questions in advance as possible, so that they can organise the discussion. If you have a question for a panel then please send it to equality@admin.cam.ac.uk.

Book a place [here](#).

London Mathematical Society Meeting: Diverse Perspectives on Alan Turing

4 March 1pm-6pm, De Morgan House (Russell Square, London), and Online (via Zoom)

Speakers: Sir Dermot Turing, Stephen H. Muggleton (Imperial), Andrew Hodges (Oxford), Debbie Marriott (Bank of England), Jonathan Dawes (Bath)

For more information on this event please see [here](#).

- If you would like attend in-person at De Morgan House, please use this [registration form](#) **by 10.00am (GMT) on Thursday 3 March 2022**.
- If you would like attend remotely via Zoom, please use this [registration form](#) **by 10.00am (GMT) on Friday 4 March 2022**.

GENERAL INFORMATION

Dr Bike Sessions

Dr Bike sessions available now for free basic maintenance and repairs. If your bike needs a safety check or basic maintenance and repairs, like a new chain or brake adjustment you can now book one of the free Dr Bike sessions with a trained Bikeworks mechanic. From this term they are also offering bike marking and registration.

Sessions are available for all the dates and locations listed below and can be booked via the [Bikeworks website](#) for a time that suits you. Bikes do not have to be dropped off at your designated time, but can be left with the mechanics before your session.

- 22 February - West Cambridge Site
- 24 February - Clinical School
- 28 March - Old Schools
- 31 March - West Cambridge Site

Travel Insurance and Risk Assessments

[Travel insurance](#) is available through the University's Group Business Travel Insurance Policy for employees and postgraduate students travelling away from the UK to carry out University activities. University activities would include overseas trips to attend University-related meetings and conferences or to carry out research.

Just a reminder that before you can organise your travel insurance, you will need to complete the relevant risk assessment. Most trips will be low risk, so will require a low risk assessment, but you should always check the [guidance](#) especially when travelling to certain countries. Please note that in the event of a claim, the Department is required to confirm that a risk assessment was received before releasing funds.

Please send through your risk assessment, to inform your Departmental Administrator of your forthcoming trip, to pa-damtpsec@maths.cam.ac.uk (DAMTP) and dpmmssec@dpmms.cam.ac.uk (DPMMS).
