

## ACADEMIC NEWS

DAMTP were very saddened to announce the death of *John Grenfell-Shaw* last Thursday. John was a third year PhD student working in the Environmental and Industrial Fluid Dynamics group, and a member of Trinity College. [A tribute](#) from John's supervisor can be read on the Trinity College website.



The Faculty are delighted to announce the following academic promotions, which come into effect from Monday 1<sup>st</sup> October 2018, as published in the [Reporter](#) on Wednesday 13<sup>th</sup> June:

- *Nilanjana Datta* on her promotion to a Readership (DAMTP)
- *Jerome Neufeld* on his promotion to a Readership (DAMTP / Earth Sciences)
- *Jorge Pinto Da Silva e Conceição Santos* on his promotion to a Readership (DAMTP)
- *Roman Rafikov* on his promotion to a Readership (DAMTP)
- *Jacob Rasmussen* on his promotion to a Professorship (DPMMS)
- *Carola-Bibiane-Schönlieb* on her promotion to Professorship (DAMTP)
- *Alexey Shadrin* on his promotion to a Readership (DAMTP)
- *Jack Thorne* on his promotion to a Professorship (DPMMS)

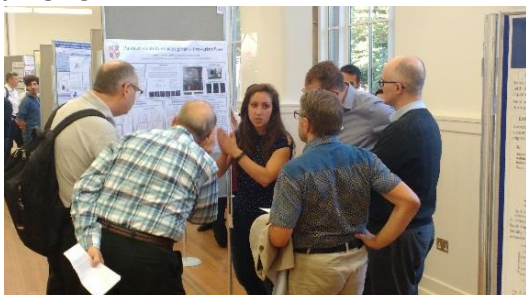
### DAMTP:

*Matthew Arran* (PhD student) was one of two awardees of the 'Best Poster Award' at the ICAR X (10th International Conference on Aeolian Research), which took place in Bordeaux at the end of June. Matthew presented a poster on '*The internal structure of mobile barchan dunes*', which was highly rated by the jury and awarded the top prize.

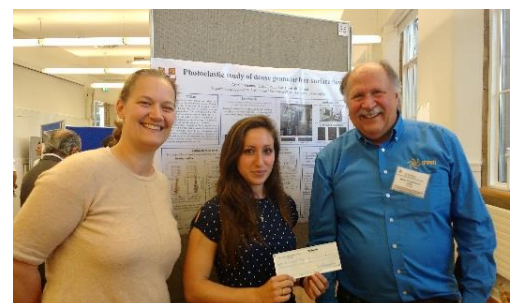


Matthew is on the right

*Amalia Thomas* (PhD student) has won first prize in the IFPRI (International Fine Particle Research Institute) AGM Student poster session, which took place in Edinburgh at the end of June. In the second round of judging Amalia was evaluated with four other finalists and was announced the winner, and awarded \$1000.



Amalia explaining her poster to the IFPRI judging panel



(Nathalie Vriend (left), Amalia Thomas (middle), The IFPRI President (right))

The [2018 Gruber Prize in Cosmology](#) has been awarded to the Planck satellite team, which includes the DAMTP Centre for Theoretical Cosmology (CTC) scientists *Paul Shellard*, *James Fergusson* and *Anthony Challinor*. The prize is administered by Yale University and this year will be awarded on 20<sup>th</sup> August 2018 at the General Assembly of the International Astronomical Union, in Vienna. Through its study of the Cosmic

Microwave Background (CMB), the Planck observatory collected data that has provided cosmology with the definitive description of the universe on the largest and smallest scales. High level contributions and leadership of several key Planck papers came from the Cambridge Planck Analysis Centre, an interdisciplinary team at the Kavli Institute for Cosmology, made up of members from the Institute of Astronomy, the Cavendish Astrophysics Group and the DAMTP CTC.

*Tom Crawford*, former DAMTP PhD student, has published the following items on his website recently:

[The Perfect Penalty Kick](#) - with the World Cup in full swing here's the science (and maths) behind the perfect penalty...

[CO2 Beneath our Feet](#) (JFM blog) - is carbon sequestration the answer to global warming?

[Funbers 7](#), [Funbers 8](#) and [Funbers 9](#) - the next three episodes in the Funbers series on BBC Radio Cambridgeshire, telling you the fun facts about numbers that you didn't realise you've secretly always wanted to know

#### **DPMMS:**

Congratulations to *Caucher Birkar* who has been awarded a Whitehead Prize in recognition of his outstanding research in higher dimensional algebraic geometry, most prominently his recent ground breaking finiteness results on Fano varieties and Mori fibre spaces.

*David Spiegelhalter* (Statistical Laboratory) has recently examined the strategies being tested to combat the spread of false information in the *BBC World Service – The Documentary* radio programme: [‘You can handle the truth’](#).

Congratulations to *Péter Varjú* who has been awarded a Whitehead Prize for his deep and ground breaking contributions to analysis and probability on algebraic structures.

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

- Nina Friedrich (DPMMS)
- Justas Dauparas (Biological Physics & Mechanics)

## **ANNOUNCEMENTS**

### **Royal Astronomical Society – Medal and Prizes 2019**

Nominations are invited for the RAS Medals and Prizes to be awarded in January 2019.

- **A** - astronomy and astrophysics, broadly defined, including cosmology, astroparticle physics, astrobiology and astrochemistry
- **G** - geophysics, solar physics, solar-terrestrial physics, planetary science and meteoritics

The deadline for nomination this year has been extended to *Monday 20<sup>th</sup> August 2018*, with the exception of the Patrick Moore Medal and the Annie Maunder Medal for Outreach, which have a deadline of *Friday 28<sup>th</sup> September 2018*. A list of [awards available this year](#) can be found on the Royal Astronomical Society website.

## EVENTS

### Open Access Training

Open Access Team will be delivering several training sessions aimed at research administrators and librarians to help you understand the various funder Open Access requirements and how the University's Open Access support systems work. These sessions will equip you to help researchers understand:

- what Open Access policies actually mean for researchers across the disciplines
- what they are required to do in order for their research to be eligible for REF 2021
- how to manage key tasks in Symplectic Elements

The dates of the training are:

Thursday 12<sup>th</sup> July, 10.00am – 12.00noon

Friday 20<sup>th</sup> July, 10.00am – 12.00noon

Tuesday 24<sup>th</sup> July, 10.00am – 12.00noon

Wednesday 1st August, 2.30pm – 4.30pm

Tuesday 7<sup>th</sup> August, 2.30pm – 4.30pm

Monday 13<sup>th</sup> August, 2.30pm – 4.30pm

Spaces are limited to 15 people per session. To sign up to one of these training sessions please follow this link to the first event: <https://www.training.cam.ac.uk/osc/event/2610611>. If you have any questions about the training sessions please contact [info@openaccess.cam.ac.uk](mailto:info@openaccess.cam.ac.uk)

## GENERAL INFORMATION

### New members of administrative staff

We are delighted to announce the following new members of administrative staff in the Faculty:

- *Sue Burnham* will be joining the DAMTP Finance Office as *Senior Accounts Clerk* on Monday 16<sup>th</sup> July. Her contact details will be: [finance@damtp.cam.ac.uk](mailto:finance@damtp.cam.ac.uk) / 37855.
- *Pedro Cardoso* has joined the Faculty IT Team as a new *trainee technician* (sandwich placement) until June 2019.
- *Alessandra Uomo* joined DAMTP as *Pavilion H and HR Office Administrator* on Monday 2<sup>nd</sup> July. Her contact details are:  
[pavhsec@damtp.cam.ac.uk](mailto:pavhsec@damtp.cam.ac.uk) / 37094  
[hr-office@maths.cam.ac.uk](mailto:hr-office@maths.cam.ac.uk)

### End of Financial Year REMINDER

Please make sure that all expense forms are submitted to your department's Finance Office by the end of the financial year, which is *Friday 27<sup>th</sup> July*. Please make sure that you submit your expense claims using the correct claims form: [DAMTP](#) / [DPMMS](#). Failure to use the correct form may delay the payment of expenses. All expenses should be claimed within three months of incurring expenditure.

### HR Office – July opening hours

Due to staff taking annual leave the HR Office (B1.31) will operate a skeleton service on the weeks beginning 16<sup>th</sup> July and 23<sup>rd</sup> July, as follows:

Monday 16 <sup>th</sup> July	9.30am	12.45pm	2.00pm	4.00pm
Tuesday 17 <sup>th</sup> July	9.30am	1.15pm	2.00pm	4.00pm
Wednesday 18 <sup>th</sup> July	9.30am	1.00pm	2.00pm	4.00pm
Thursday 19 <sup>th</sup> July	8.30am	-	-	5.00pm
Friday 20 <sup>th</sup> July	9.30pm	-	-	3.00pm
Monday 23 <sup>rd</sup> July	9.30am	12.45pm	2.00pm	4.00pm
Tuesday 24 <sup>th</sup> July	9.30am	1.15pm	3.00pm	5.00pm
Wednesday 25 <sup>th</sup> July	9.30am	1.00pm	3.00pm	5.00pm
Thursday 26 <sup>th</sup> July	8.30am	2.30pm	3.00pm	5.00pm
Friday 27 <sup>th</sup> July	-	-	2.00pm	4.00pm

Please email all enquiries to: [hr-office@maths.cam.ac.uk](mailto:hr-office@maths.cam.ac.uk)

### News bulletin - Long Vacation publication dates

During the Long Vacation the Faculty News Bulletin will be published on Monday 6<sup>th</sup> August and Monday 3<sup>rd</sup> September. If there is anything you would like included in these issues please email [Faith Payne](mailto:Faith.Payne@maths.cam.ac.uk) by the preceding Wednesday.

### Private medical insurance for University employees

University employees have access to competitive rates on [Private Medical Insurance \(PMI\)](#) through the new provider General & Medical (G&M). Employees who took out PMI with Bupa under the previous scheme are unaffected by the change, but may wish to compare the cover they currently have and the cost of the new scheme.

### Summer at the Museums

*Wednesday 25<sup>th</sup> July – Monday 3<sup>rd</sup> September*

Summer at the Museums have plenty of free or low-cost activities to keep everyone happy over the summer holidays, taking place in venues throughout Cambridge and the county. They will bring everything from hands-on making and creating, storytelling and interactive science, to drop-in events and museum trails. Their '[What's On' guide](#) provides full details about what's happening and where, and up-to-date information will be posted on [Twitter](#).

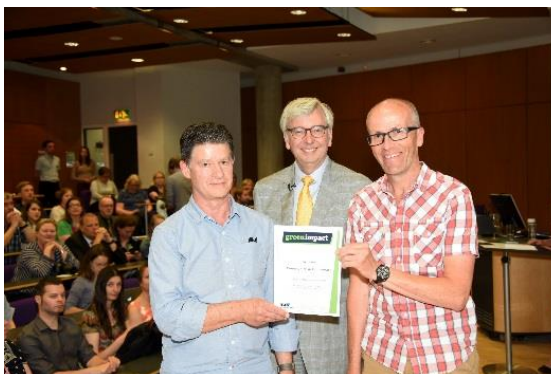
## LOCAL ENVIRONMENT & SUSTAINABILITY

### Green Impact Awards 2017-2018

On Thursday 21<sup>st</sup> June CMS hosted the [University's Green Impact Award ceremony](#). Green Impact is the University's flagship sustainability programme, and the teams who participate in the scheme work hard all year to make their department or College as sustainable as possible. This year, there was a record level of involvement with 29 departmental teams and 13 College teams receiving 47 awards; and the Vice-Chancellor of the University, Professor Stephen Toope presented all of the winners with their awards. Green Impact teams receive awards in the Bronze, Silver, Gold and Platinum categories depending on the number of sustainability actions they had completed.

This year the CMS Green Impact Team were awarded:

- Gold and Platinum awards.
- The 'Community Action Award', which recognises working in partnership with community groups, developing new projects and taking Green Impact out into the wider community. CMS were awarded this for their efforts in carrying out a range of activities with local groups aiming to improve biodiversity in the local area, e.g. running a 'planting day' involving local residents.



Mick Young (CMS Facilities Manager) also received an 'Environmental Hero' Award, which was awarded for his energy and commitment to Green Impact.

### Plastic Free July

Could you reduce the amount of single-use plastic you use and dispose of in just one month? Plastic Free July is an initiative with the goal of helping people identify their plastic use and come up with strategies for reduction. Full details on this can be found on the [Plastic Free July website](#).