

MATHEMATICAL &amp; PHYSICAL SCIENCES



## Faculty Focus - August 2017

### Spotlight on...

#### **Dhiren Kataria, MSSL**

As Head of the In-situ Detection Systems research group at the MSSL, Dhiren leads the laboratory's plasma instrumentation and detection systems R&D programme as well as the laboratory's CubeSat development programme.

On a day-to-day basis, his primary role is to provide specialist support to multi-disciplinary teams of engineers and researchers for development of payloads for flight missions. In addition, a key aspect of his role includes the delivery of an associated research program.

[Read more...](#)



### News, Announcements and Updates



#### **Professor Lucie Green awarded 2017 Lise Meitner Medal and Prize**

Professor Lucie Green (UCL Space & Climate Physics) has been awarded the Institute of Physics 2017 Lise Meitner Prize for distinguished contributions to public outreach.

[Find out more...](#)

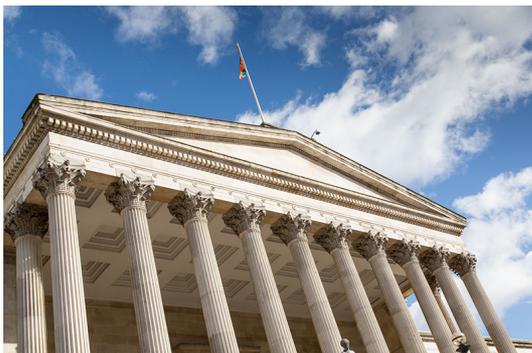
#### **Royal Society Summer Science Exhibition 3-9 July**

Congratulations to Smart Surfaces (Profs. Claire Carmalt & Ivan Parkin's group) and Zoom for Improvement (Prof. Andy Beale's group), both from UCL Chemistry



on their Royal Society event which was featured on the BBC World Service.

[Find out more...](#)

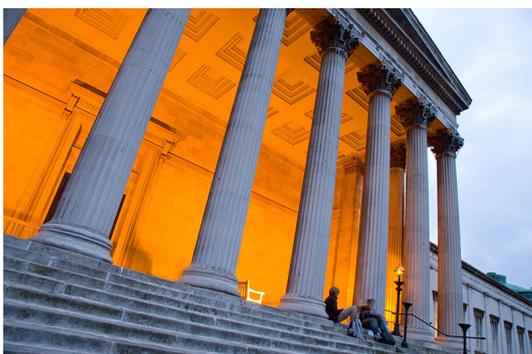


### Looking for funding opportunities?

You will find a wide range of sources, including EU, RCUK and third sector funding through UCL's subscription to RESEARCHconnect. To access the site you will need to register – please email

[Jacob Sweiry](#). [Watch a short video intro.](#)

[Find out more...](#)



### UCL Public Policy Small Grants Scheme 2017/18

This year the scheme will run under two main themes: Policy Challenges and Expert Engagement, each offering awards of up to £4,000 per project. Deadline for applications is 2nd October 2017.

[Find out more...](#)



### Dr Yao Lu awarded the Bayer Open Science Start-up Pitch

Congratulations to Dr Yao Lu (UCL Chemistry) who received a certificate in the 67th Lindau Nobel Laureate Meeting dedicated to Chemistry. The Lindau meeting is organised for Nobel Laureates and young scientists worldwide to meet and discuss science.

[Find out more...](#)

## Faculty Highlights

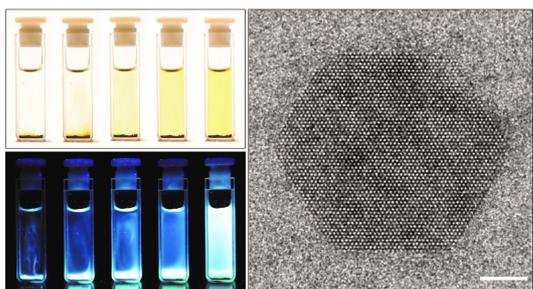
**Has Cassini found a universal driver**



### **for prebiotic chemistry at Titan?**

An important type of molecule that helps produce complex organic material has been detected within Titan's hazy upper atmosphere by a UCL-led team as part of the international Cassini-Huygens mission.

[Find out more...](#)



### **Glowing nanosheets created by UCL-led team**

Researchers led by UCL Chemistry and UCL Physics & Astronomy have shown that 2D nanomaterials, which can be used to create LEDs or solar cells, can be made by the simple method of dissolution.

[Find out more...](#)



### **Statistical Sciences organise Royal Society meeting**

Professors Sofia Olhede and Patrick Wolfe are organising a meeting on the impacts of the usage of algorithms in society, 30-31 October 2017 at the Royal Society at Carlton House in London.

[Find out more...](#)



### **MAPS Faculty Teaching Awards 2017**

Each year the Mathematical and Physical Sciences Faculty recognises excellence in teaching by staff and teaching assistants at all levels within the faculty through the Faculty Teaching Awards.

[Find out more...](#)

### **Fear of crime is contagious, even in low crime communities**

Fear of crime can be considered



contagious, because social interaction is the mechanism through which fear is shared, according to a study led by Rafael Prieto Curiel (UCL Mathematics).

[Find out more...](#)

## Events

### **Bobby&Stillman in the Science Library**

22 July 2017 - 22 September 2017

London's tides, in films that play with time and space, sampling and perception. A film-maker and a photographer work with scientists from UCL's Big Data Institute, touching on the uncertainty principle.

[More info...](#)



### **Launch event of the Centre for Doctoral Training (CDT) in Data Intensive Science (DIS)**

18 Sep 2017

The Centre's ambition is to train the next generation of leaders in data science and become a platform that fosters collaboration across all DIS disciplines.

[More info...](#)

### **MMM Hub Launch**

14 Sep 2017

[More info...](#)

### **UCL MAPS Enterprise Workshop**

16 Oct 2017

[More info...](#)

### **The growing ubiquity of algorithms in society: implications, impacts and innovations**

30-31 Oct 2017

[More info...](#)

## Enterprise

### **UCL Mathematical Sciences Industrial Sandpit**

Nicholas Ovenden (UCL Mathematics), assisted by Cat Mora and Laura Fenner (BEAMS Research Facilitation Services), organised and ran the first ever UCL Mathematical Sciences Industrial Sandpit



over three days at the end of June.

[See more...](#)

## Training and Development



### New Digital Skills Development dates for summer 2017

ISD Digital Skills Development has released new dates for the summer term. As usual, we are offering a wide range of courses covering Excel, Matlab, LaTeX, Photoshop and more.

[See more...](#)



### Introduction to Research Support @ UCL

A new regular training course is running to introduce PhD students to research support available during the course of their studies. The course is co-organised by the Doctoral School, Office of the Vice Provost (Research) and Library Services.

[See more...](#)

### Submit your news: what would you like to hear about?

If you have any upcoming events that you like to be promoted to MAPS Faculty staff [please let us know](#).

### Feedback on the faculty newsletter

Thanks to those who completed the UCL MAPS Internal Communications Survey. We have tried to take your comments on board when putting this newsletter together. We are keen to make sure that this addresses your needs so [please let us know](#) how we can continue to improve.



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