

School of Mechanical Engineering Community

Part of
THE EPS COMMUNITY



Winter 2015

Greetings

As you will see from this newsletter it has been a busy start to the new academic year in which we have welcomed over 250 new undergraduate and postgraduate students to the School. Dr Haider Butt has led an international team in developing a new holographic lens printing method to be utilised in space, whilst Dr Remi Olatumbosun has featured in the Nigerian press.

Our students have also been busy, with an eventful start to the year for JUGS, UBRacing and UBRobotics, whilst WISE continue to promote the opportunities available to female scientists and engineers.

It's always a pleasure to hear from our alumni and I'm delighted to read about Jenny Freij's start to graduate life and look forward to hearing more about her continued successes.

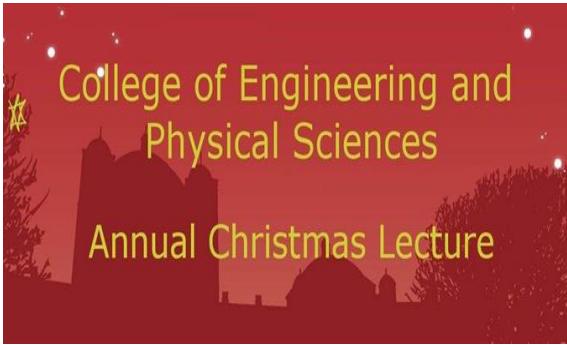
As the end of the first semester in the 2015/16 academic year approaches, I would like to wish you all a pleasant and restful Christmas and I look forward to updating you with the latest news from the School and our students in the Spring Term.

With best wishes

Professor Duc Pham

Head of School

Mechanical Engineering



EPS Christmas Lecture 2015: Stuff Matters

This year's EPS Christmas Lecture will be delivered on 8 December by Professor Mark Miodownik, internationally renowned materials engineer, broadcaster and resident scientist on BBC programme *Dara O Briain's Science Club*. Professor Miodownik will be revealign the changes to the material world that are coming our way from bionic people to living buildings and objects that heal themselves.

[FIND OUT MORE >](#)



UK and China launch Centre to advance energy research and education

A new joint Centre for Energy & Environment Research and Education to drive new technologies and train the next generation of engineers has been launched with the University of Science & Technology Beijing (USTB). The Centre, which was launched in Beijing in October is a collaboration between the Birmingham Energy Institute and USTB's School of Mechanical Engineering.

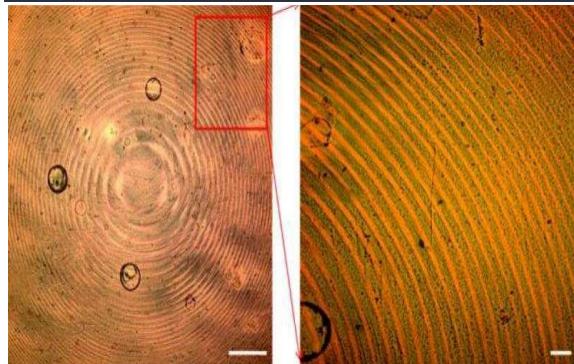
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"The best place in Birmingham..."

In a new feature we'll be asking students and alumni in the College of Engineering and Physical Sciences about their favourite places in Birmingham. In this edition they tell us "The best place in Birmingham to hang out after lectures".



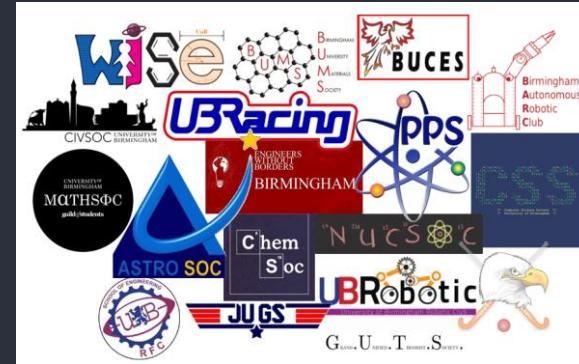
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Holographic lens printing method could pave way for printing in space

Dr Haider Butt has led a team which has developed a new holographic lens printing method, which could allow astronauts to print telescope lenses in space.

[FIND OUT MORE >](#)



Societies News

It's been a busy start to the year for our societies! We hear from the committees of [JUGS](#), [UBRacing](#), [UBRobotics](#) and [WISE](#) about their events over the past few weeks to their plans for the coming months.

[FIND OUT MORE >](#)

News Round-Up

There have been a number of appointments in the School over the past few months. Read a summary of our new staff [here](#).

Dr Remi Olatunbosun recently provided comment for Nigerian publication [The Nation](#) on a zero-emission automobile built by students at the University of Lagos.

The University recently unveiled its [five-year plan](#) to deliver real impact, tackle major challenges and transform lives through its research, education, investment and influence.

Birmingham has been named [University of the Year for Graduate Employment](#) in The Times and The Sunday Times Good University Guide 2015-16.

A Qur'an manuscript held by the Cadbury Research Library and thought to be among the oldest in the world, was [recently exhibited at the University](#).



Alumni News

In this edition Jenny Freij (MEng Mechanical Engineering with a Year Abroad, 2015) tells us how she secured a graduate job

Get Involved!

There are many ways you can get involved with us:

- Send us your news for a chance to feature in our next edition
- Become a mentor and help support our students
- Offer a work experience placement
- [Hang a personalised bauble on our Christmas tree!](#)

And don't forget to let us know where your favourite place to socialise after lectures was!

[FIND OUT MORE >](#)

[EMAIL US >](#)

Events

[EPS Inaugural Lecture Series](#)

For information on upcoming lectures in the EPS Inaugural Lecture Series please [visit our website](#).

Saturday 5 December 2015

[Christmas at Winterbourne](#)

Winterbourne's ever popular Christmas event returns on 5th December, bringing a traditional Christmas to Birmingham. With the house beautifully dressed in traditional decorations, carol singers providing an unforgettable atmosphere, magic lantern shows and an expanded craft stalls areas, there's plenty to keep you entertained.

Time: 11am-7pm

Venue: Winterbourne House and Garden, Edgbaston Campus

Monday 7 December 2015

[Festive Drinks at the University Carol Service](#)

Join fellow University of Birmingham alumni, staff and students for the perfect start to the Christmas season. Come back to campus for an uplifting and joyful carol service, organised by the University Chaplaincy and Department of Music and featuring carols, readings and festive poems, all in the beautiful surroundings of the Great Hall. Alumni are then invited to join us in the Rotunda (above the Aston Webb foyer) for mulled wine, fruit juice and mince pies.

Time: 6.15pm-9pm

Venue: Great Hall, Aston Webb Building, Edgbaston Campus

Tuesday 8 December 2015

EPS Christmas Lecture

[Professor Mark Miodownik: Stuff Matters](#)

Whatever people think about the rapid pace of change of technology, our most fundamental categorization of stuff on the planet has not altered: there are living things that we call life, and there is non-living stuff that we call rocks, tools, buildings and so on. As a result of our greater understanding of matter, this distinction is now becoming blurred and is likely to usher in a new materials age. Bionic people with synthetic organs, bones

and even brains will be the norm. Just as we are becoming more synthetic, so our man-made environment is changing to become more lifelike: living buildings, and objects that heal-themselves are on the horizon. This lecture reviews the changes to the material world that are coming our way.

Time: 6.30pm-8.30pm

Venue: Leonard Deacon Lecture Theatre, Medical School, Edgbaston Campus

Tuesday 19 January 2016

Distinguished Leaders Series: Paul Szumilewicz and Lucy Williams (HSBC)

In the latest lecture in the Distinguished Leaders Series, the Birmingham Business School (BBS) Alumni Relations team are delighted to welcome Paul Szumilewicz and Lucy Williams to discuss 'Leading Change: Challenges and opportunities of moving HSBC's Ring-fenced bank from London to Birmingham'.

Time: 6pm-8pm

Venue: Room G12, Main Lecture Theatre, Birmingham Business School, Edgbaston Campus

Wednesday 9 March 2016

EPS Distinguished Lecture: Professor Dave Charlton FRS

Professor Dave Charlton FRS, spokesperson of the ATLAS Collaboration at the Large Hadron Collider at CERN will be delivering the next EPS Distinguished Lecture. Please see the [website](#) for more information.

Time: 6pm-7.30pm

Venue: Edgbaston Campus

Wednesday 8 June 2016

EPS Societies' Awards

Come and celebrate with our student societies as we recognise their fabulous achievements in 2016/17.

Time: 7pm-11pm

Venue: The Great Hall, Edgbaston Campus

Saturday 18 June 2016

EPS Alumni Reunion

As a graduate of one of the nine schools in the College of Engineering & Physical Sciences (EPS), you are invited back to campus for a Summer Reunion to get together with your fellow alumni to celebrate your experiences, accomplishments and friendships at the University of Birmingham.

Time: 9.30am-6pm

Venue: Edgbaston Campus

Monday 12 September 2016

Alumni Golf Day 2016

Following on from the success of the inaugural University of Birmingham Alumni Golf Day

held in 2015 at Edgbaston Golf Club, we are delighted to announce that another event is planned for 2016. Please see the [website](#) for further information.

Time: 10am-6pm

Venue: Edgbaston Golf Club

The University of Birmingham has alumni groups all over the world that organise local events. To join a group and see details of upcoming events please visit the [webpage](#) and select your location.



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