

UNIVERSITY OF
BIRMINGHAM

School of Mechanical Engineering Community

Part of
THE EPS COMMUNITY



Summer 2015

Greetings

This year's graduation ceremony was, as ever, a joyous occasion and it was my great privilege seeing our graduates one by one as they proudly stepped up to shake hands with the Provost and Vice-Principal in celebration of their achievements. It is a wonderful time of year on campus as we recognise our students' hard work and see them make the transition to alumni. As you will see from this newsletter it has been a busy time in the School and across the College: we are delighted that [Carl Hingley has been recognised for the integral part he plays in School life](#), with a BEM in the 2015 Queen's Birthday Honours and a Papin Prize at the inaugural Higher Education Technicians' Summit, whilst Drs Khamis Essa and Hany Hassanin have [successfully printed a 3D ceramic catalyst bed](#), which could significantly improve the efficiency and longevity of space travel.

In June we welcomed back alumni at our [reunion](#) and also held our second [EPS Societies' Awards](#), celebrating the fantastic achievements of our student body in delivering an exciting programme of events, projects and challenges over the course of the year as part of their involvement in our societies. The event proved incredibly successful for our students with Naomi Green, Joseph Moorhouse and WISE all proving victorious.

Unfortunately, I also have some sad news to share - Professor Freddie Bakhtar passed away earlier this month. He was a gentleman, a highly respected academic and a loyal supporter of the School of Mechanical Engineering. He will be greatly missed by all his friends, colleagues and students.

As the 2014/15 academic year draws to a close, I would like to wish you all an enjoyable summer and look forward to updating you with the latest news from the School and our new students in the Autumn Term.

With best wishes,

Duc Pham
Head of School
Mechanical Engineering

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News from the School of Mechanical Engineering

Professor Andy Schofield appointed as new Head of College



The University is delighted to announce that Professor Andy Schofield is to become Pro-Vice-Chancellor and Head of the College of Engineering and Physical Sciences, succeeding Professor Richard Williams, who has been appointed Vice-Chancellor at Heriot-Watt University. Professor Schofield will take up his new role in August. [Read more.](#)

Carl Hingley receives prestigious awards



The College of Engineering and Physical Sciences is delighted by the recognition of long serving member of staff Mr Carl Hingley, in the 2015 Queen's Birthday Honours. Carl is the Senior Automotive Technician at the School of Mechanical Engineering and has been with the University for almost four decades, playing a pivotal role in supporting the education - and enhancing the experience - of more than 2,500 Mechanical Engineering students. [Read more.](#)

Carl has also received a Papin Prize in recognition of his contributions as a technician – sometimes described as the 'unsung heroes' of UK higher education. [Read more.](#)

Congratulations class of 2015!



Congratulations to all of our new Mechanical Engineering graduates who received their degree certifications last month. [Read more.](#)

EPS Reunion 2015 Highlights



Over 140 alumni and guests from 1944 to 2014 attended this year's annual reunion on Saturday 20 June 2015. Guests travelled from as far as Brazil and Jordan to join us and enjoyed a unique opportunity to reminisce with their classmates, revive old friendships and catch-up on all that may have changed in their School. [Read more.](#)

EPS Societies' Awards 2015



On Tuesday 9 June the College celebrated the achievements of our 17 student societies with the second annual EPS Societies' Awards. From public astronomy events with AstroSoc to designing Formula Student cars with UBRacing, the societies do astonishing work not just in academia but also to promote careers opportunities, industrial visits and, of course, social events. A great night was had by all and over £1,000 was raised for research into childhood brain cancer conducted in the University's School of Cancer Sciences. [Read more.](#)

James Watt Undergraduate Society (JUGS) update



The newly elected 2015/16 JUGS committee fill us in on their plans for the next 12 months. [Read more.](#)

UBRacing gain their best result at Formula Student



After a challenging year with significant design change UBRacing have beaten all expectations with their result at Formula Student UK. Thousands of the world's best young engineers headed to Silverstone on 8-12 July to compete at the Institution of Mechanical Engineers' Formula Student competition. [Read more.](#)

Women in Science and Engineering Society



It's been a busy year for WISE, who were recently recognised at the EPS Societies' Awards! The committee tell us what they've been up to and their plans for next year. [Read more.](#)

WISE were also recently invited to celebrate National Women in Engineering Day (NWED) with British Gas Business. Read more about the event [here.](#)

The first 'hot fire' testing trials of a 3D printed monolithic ceramic thruster



Researchers at the University of Birmingham have confirmed successful trials of the first 3D printed ceramic catalyst bed which could significantly improve the efficiency and longevity of space travel. The first 'hot fire' testing trials of a 3D printed ceramic thruster were completed earlier this month as part of development work led by Dr Khamis Essa, Lecturer in Advanced Manufacturing and carried out by Dr Hany Hassanin, research Fellow in School of Mechanical Engineering. These trials were the culmination of several years of work into the use of additive manufacturing to create a new generation of rocket engines for space engineering. [Read more.](#)

£400k Innovate UK collaborative project to reduce CO2 emissions



A collaborative £400k Innovate UK project between the University of Birmingham and Hubbard Products Ltd, led by Dearman Engine Company Ltd, will commence in July 2015. The project will deliver a cost-effective zero emissions auxiliary system for power and cooling to reduce CO₂ emissions of refrigerated trucks and air-conditioned buses, in addition to other emissions benefits. [Read more.](#)

Pioneering University of Birmingham campaign raises nearly £200m for ground-breaking research and life changing opportunities



The University is celebrating after raising an unprecedented £193.4 million for a diverse range of projects including life-saving research and more than 500 student scholarships. The record breaking Circles of Influence campaign has smashed its original £160 million target and has supported more than 250 projects across campus, including the creation of a new state-of-the-art library and a sports centre featuring the city's first 50 metre swimming pool, which will be accessible to staff, students and the local community when it opens next year. [Read more.](#)

We want your thoughts!



We are currently reviewing the communications we send to our alumni and would greatly value your comments on your School newsletter. As an added incentive, participants will be entered into a draw to win a University of Birmingham alumni mug. Fill out the survey [here.](#)

New staff in 2014/15

There have been a number of appointments in the School this term. **Read a summary of our new staff [online here](#).**

Your School needs you...

Would you be able to share some of your time, expertise or connections to help our students to succeed?

We are currently looking for help and support from alumni with the following:

- **Undergraduate Open Day, 12 September and 17 October.** Could you donate a couple of hours of your time to pop back to your old School and speak to our prospective students about your time at Birmingham? For more information and to get involved [email us](#).
- Work experience placements are invaluable for our students, allowing them to learn about the world of work first-hand and apply their knowledge in a real-life setting. If you work in industry and think you could offer a work experience placement to our undergraduate or postgraduate students, please [email us](#).

There are many ways in which you can give a little back, from providing a career profile, to mentoring a student. Please [email us](#) if you would like to get involved and we'll be happy to talk to you.

College and School events taking place shortly...

[EPS Inaugural Lecture Series](#)

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

Wednesday 8 June 2016

[EPS Societies' Awards](#)

Come and celebrate with our student societies as we recognise their fabulous achievements in 2015/16.

Time: 7pm-11pm

Venue: 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

University events...

Sunday 6 September 2015

[Community Day](#)

See our research brought to life! Come along to the University's Community Day on Sunday 6 September where you can explore our beautiful, historic campus and enjoy free fun for all the family throughout the day. We are throwing the doors open for you to see for yourselves the great things that the University is doing for people here in the Midlands and around the world. This year's event will celebrate more than £160 million of donations to the University and thank all of our amazing supporters. Follow our thank you trail around campus and discover how donations have funded everything from dinosaur bones and robots to our new sports centre. To find out more about the impact of our Circles of influence campaign, please visit www.uobpartofit.com.

Time: 11am-4pm

Venue: Edgbaston Campus

Tuesday 8 September 2015

[Hong Kong Reception with the Vice-Chancellor](#)

University of Birmingham alumni based in Hong Kong are invited to join the Vice-Chancellor, Professor Sir David Eastwood, at a reception on Tuesday 8 September. The evening will be a great opportunity to meet and network with fellow alumni who live and work in Hong Kong, and to find out about the latest developments taking place at the University.

Time: 7pm-9pm

Venue: The Hong Kong Jockey Club

Golden and 50th Anniversary Reunion Lunch

If you graduated in 1965 or before you are invited back to campus on Saturday 12 September to a Golden and 50th Anniversary Reunion Lunch with your fellow alumni to celebrate your experiences, accomplishments and friendships at the University of Birmingham.

Time: 10.45am-4pm

Venue: Edgbaston Campus

Alumni group events...

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.

Do we have the right details for you?

According to our records your current business details are as follows: College Alumni Relations Manager at University of Birmingham. If this is not correct, please visit [your.bham](#) or email alumnioffice@contacts.bham.ac.uk.

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