

UNIVERSITY OF
BIRMINGHAM

School of Chemical Engineering Community

Part of
THE EPS COMMUNITY



Spring 2017

Greetings from the School of Chemical Engineering. You will see in this newsletter some of our developments from the last 12 months. We are making great strides in healthcare technologies with the launch of a new research institute, creation of the first working prototype of an artificial human colon and developing new technology to improve bone healing. Our pioneering energy research is also making progress in developing new and renewable fuels and chemicals.

Our students have had a busy year as well with yet another Frank Morton triumph along with the ever-popular Winter Ball and Industrial Dinner. They are currently the College of Engineering and Physical Sciences' *Society of the Year* and want to keep their title. Please help them by nominating them for an EPS Societies' Award!

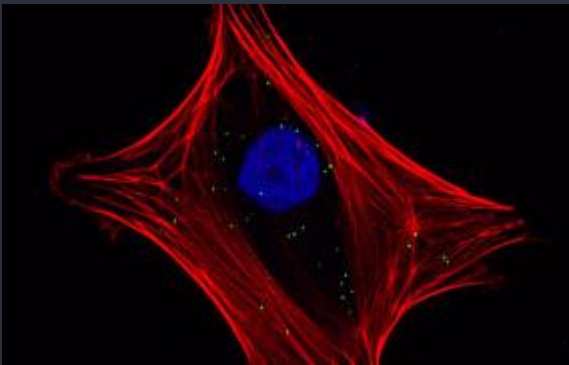
As ever, we are always pleased to hear from you about your news and experiences. If you would like to get involved, for example through providing career profiles, mentoring students, offering work placements or contributing to outreach events, please get in touch.

If you are planning on visiting us for the EPS Societies' Awards on Wednesday 7 June or the Alumni Reunion on Saturday 30 September, I look forward to seeing you there and collecting your memories of Chemical Engineering at Birmingham.

With best wishes

Professor Mark Simmons
Head of School

THIS MATTERS
Healthcare Technologies



Revolutionising healthcare

A new research project in the School of Chemical Engineering is looking to develop a novel technology to improve bone healing and quality following injury or disease, including fractures.

[FIND OUT MORE >](#)



Building an artificial colon

PhD student Konstantinos Stamatopoulos has built an artificial human colon – the first working prototype of its kind – to mimic how drugs work inside the large intestine.

[FIND OUT MORE >](#)

WE ARE BIRMINGHAM

Our 300,000 alumni all share one thing in common: the University of Birmingham. From recent graduates to industry experts, aspiring leaders to inspirational movers and shakers, Birmingham alumni are making important things happen. Join the "We Are Birmingham" project and share your story with our students. You can inspire our students and offer an insight into the wealth of opportunities available to them. Plus, anyone who submits a profile before 1 July will be automatically entered into a draw to win a BrumBag full of University merchandise. Share your Birmingham story and help shape their future.

[SUBMIT YOUR WE ARE BIRMINGHAM PROFILE >](#)



Alumni Spotlight

Sena Mutlu (MSc Advanced Chemical Engineering 2013) tells us about life after graduation, including working as a Process Design Engineer for Lodge Cottrell.

If you would like to share your story we would love to hear from you.

Simply fill complete our [online career profile form](#) or [email us](#) to tell us more.



Microvolunteering

On Saturday 15 April we marked Microvolunteering Day with a range of bite-size activities that support the University in 15 minutes or less.

Thank you to those who volunteered. If you didn't but would like to, there's still time!

We particularly want to hear how your careers have progressed so we can share your stories and help inspire our students.

[FIND OUT MORE >](#)

[FIND OUT MORE >](#)

University Reunion 2017

The Alumni Reunion 2017 provides a great opportunity to rediscover what made Birmingham "home" for you and to renew your lifelong connection to this special place. It's a fantastic time to reconnect with friends and classmates and see how Birmingham has grown into the university it is today. Join us for a day of reunion celebrations including campus tours, stress-free lectures, a chance to visit some of the latest additions to campus such as the new Library, and a plenty of opportunity to reminisce. There will also be time to visit us in Chemical Engineering to find out how we have changed since you were last with us and to meet some of our current academics and students.



[FIND OUT MORE >](#)



Societies News -
BUCES triumph again



EPS Societies'
Awards 2017

There are now seven student societies affiliated with the School: [BUCES](#), [Eagles Hockey](#), [EWB: Birmingham](#), [Engineering Rugby](#), [WISE](#), [oSTEM](#) and [SATNAV](#). It's been a busy year with many events, careers activities, sporting competitions and new committees, so there's plenty to update you on.

The College of Engineering and Physics Sciences is home to 25 student societies. Each does fantastic work to promote employment opportunities, industrial visits, guest speakers and, of course, social events.

[FIND OUT MORE >](#)

Were you a member of a society while at Birmingham? Wish you had been? Or have you been impressed reading about the activities of our [current student groups](#)? Why not nominate them for a Societies' Award?

These Awards celebrate the lengths to which our students go to make the University a better place to work and play. Join our celebrations by nominating your society. Maybe your former society will win the much coveted *Society of the Year* trophy.

They need your help!

[NOMINATE >](#)

News Round-Up

Using [catalysis and reaction engineering](#), Professor Joe Woods is a pioneer of novel processes designed to help alleviate the world's energy crises by developing new and renewable fuels and chemicals.

The University hosted a [major Chemical Engineering conference](#) to help shape a better world.

Landmark signing provides boost to [Birmingham Life Sciences](#).

Dr Sophie Cox and PhD student Thomas Hall have won a [prestigious award](#) for the most innovative collaboration with an industry partner.

Energy storage experts at the University of Birmingham and the University of Science & Technology Beijing have won a [major funding award](#) from the Chinese government for a joint doctoral research programme.

Alumnus Dr Amrit Chandan has been highlighted as a standout entrepreneur through his inclusion the prestigious [Forbes 30 under 30 Europe list](#).

A cool change is coming and business needs to get ready - Professor Toby Peters provide an [Energy perspective on the UK budget](#).

The School of Chemical Engineering marks the sad passing of alumnus and former lecturer [Professor Philip Edwin Barker](#).

Osman Kent, alumnus and serial entrepreneur, delivered the latest EPS Distinguished Lecture entitled "[Success gives you the credibility to talk about your failures](#)".

Events

Monday 15 - Wednesday 17 May

[Pint of Science](#)

Leading University of Birmingham academics will be speaking about their cutting-edge research. We aim to bring some of the most brilliant scientists to discuss their latest findings with you. You don't have to have any previous scientific knowledge or training, and this is your chance to meet the people responsible for the future of science.

Venue: Various locations across Birmingham City Centre

Wednesday 17 May

[Birmingham - Fraunhofer Joint Research Platform Launch](#)

The University of Birmingham is set to host the Birmingham – Fraunhofer Joint Research Platform Launch to establish closer ties with cutting-edge renewable energy technology in the UK and Europe.

Time: 9am-7:30pm

Venue: Elgar Concert Hall, University of Birmingham

Wednesday 7 June

[EPS Societies' Awards](#)

Celebrate with your student society as we recognise their extraordinary achievements with a gala, black-tie evening.

Time: 7pm-11pm

Venue: Edgbaston Campus

Saturday 17 June

[UBRacing 20th Anniversary](#)

Team members past and present, and motor sport enthusiasts are invited to join UBRacing in marking their 20th birthday and two decades of Formula Student at Birmingham. Join us for an afternoon of celebrations, take a peek at the 2017 car and be prepared for a few surprises.

Time: 1:30-6pm

Venue: Edgbaston Campus

Saturday 17 June

[Geotechnical Engineering 60th Anniversary Reunion](#)

We are delighted to announce that the Geotechnical Engineering masters degree programmes are celebrating their 60th year. To celebrate this notable achievement the University will host Geo60, a celebration and reunion of the programme to which all alumni and interested persons are invited to attend.

Time: 9:30am-5pm

Venue: Edgbaston Campus

Wednesday 28 June

[Mathematics Taster Day](#)

The School of Mathematics holds a Mathematics Taster Day for Year 12 pupils in the second half of the summer term. As well as information on studying mathematics at Birmingham, the day will include two sample lectures, a tour of campus and an interactive mathematics session.

Time: 9:30am-3:30pm

Venue: Edgbaston Campus

Tuesday 4 July

[Engineering Taster Day](#)

Our Engineering Taster Day is for Year 12 pupils who are thinking about applying to university to study an engineering degree. The day will consist of an introductory talk, a tour of campus, a subject fair and an interactive workshop.

Time: 9:30am-3:30pm

Venue: Edgbaston Campus

Sunday 16 - Thursday 20 July

[IUPAP International Conference on Women in Physics](#)

The International Union of Pure and Applied Physics (IUPAP) is delighted to announce that the 6th conference in this series will be hosted by Birmingham, UK. Organised in partnership with the Institute of Physics (IOP) and the Universities of Birmingham, Nottingham and Warwick, the Conference will foster the participation of women in physics and increase diversity in the field.

Venue: Edgbaston Campus

Wednesday 20 September

[London Mathematical Society Popular Lectures](#)

We are proud to begin the 2017/18 Birmingham Popular Mathematics Lecture series with the London Mathematical Society Popular Lectures, which are suitable for all who have an interest in Mathematics, and present exciting topics in mathematics and its applications. In this first event of the new academic year, David Tong (University of Cambridge) and Jason Lotay (University College London) will be speaking.

Time: 6:30-9pm

Venue: Elgar Concert Hall, University of Birmingham

Saturday 30 September

[University of Birmingham Alumni Reunion](#)

Join us for the big Anniversary Reunion on Saturday 30 September 2017. Whether you're celebrating your 50th anniversary or your 5th anniversary, come back to the Edgbaston campus and celebrate your University with staff, students and fellow alumni.

Time: 10am-5pm

Venue: Edgbaston Campus



You are in control of your data. We want to stay in touch with you and keep your information in accordance with your wishes. You will be kept updated with news from our campus, including research, educational activities and courses, events, alumni activities, and opportunities to support our fundraising. Depending on [your preferences](#), you will receive communications via post, email, telephone and social media. We would like to ensure that our interactions with you are appropriate and cost-effective. We will pay attention to your responses (including e-tracking) and, from time to time, may use your data for profiling, targeting, and research purposes. Your information will be [held securely](#) by the University of Birmingham and will only be made available to our academic & administrative departments, recognised alumni groups, and trusted agents acting on behalf of the University. Information on how your data is held and used is set out in our [Data Protection Statement](#). **If you wish to opt-out of any contact or have any questions about your personal data, please [contact the alumni office](#).** For reference, our Inland Revenue Charities reference number is X7237.