

School of Metallurgy and Materials Community

Part of
THE EPS COMMUNITY



Spring 2016

Greetings

As you will see from this newsletter it has been a busy few months in the School of Metallurgy and Materials. Professor Alison Davenport shares her research into metal corrosion from her work with the international nuclear sector and discusses the impact such corrosion could have on the general populous. We have been fortunate enough to have several eminent speakers visit us: Lord Hutton, Chairman of the Nuclear Industry Association, spoke about the future of nuclear in the delivery of electricity needs; Professor Mark Miodownik, broadcaster and international materials scientist, delivered the University's annual Christmas Lecture; and Professor Dave Charlton, Spokesperson for the ATLAS Collaboration at CERN, was our latest Distinguished Lecture speaker when he discussed the future of the Large Hadron Collider from both a physics and engineering perspective. There is also plenty going on in the Birmingham Energy Institute regarding energy storage and the decommissioning of nuclear facilities.

Our students have also been incredibly active with both BUMS and NucSoc organising more social and careers activities than ever. The year culminated with the annual Materials Ball held in the magnificent surroundings of the Great Hall – a first for us all and a most enjoyable evening. Both are thoroughly deserving of one of EPS Societies' Awards so please do show your support and nominate them. BUMS would very much like to keep their "Society of the Year" crown but NucSoc are hot on their heels!

Finally, it would be lovely to see as many of you as possible at the forthcoming Alumni Reunion. As with previous years, we are inviting all of our former students to return to campus on Saturday 18 June to reminisce with friends and find out how the University has changed since your time as a student. It would be great to see you there.

As the end of the second semester in the 2015 academic year approaches, I would like to wish you all a pleasant Spring and I look forward to updating you with the latest news from

the School and our students in the Summer Term.

With best wishes,

Dr Stephen Kukureka

Deputy Head of School



Shedding Light on Corrosion

Professor Alison Davenport is conducting research into metal corrosion, this has impacts on nuclear, medical and aerospace industries to name a few.

[FIND OUT MORE >](#)



Nuclear is the only proven low-carbon option for providing electricity

Lord John Hutton, Chairman of the Nuclear Industry Association, discusses how Government and industry plan to deliver a stable market for nuclear energy infrastructure.

[FIND OUT MORE >](#)

Your Metallurgy and Materials Reunion

Join us on Saturday 18 June for our annual Metallurgy and Materials Reunion. Whether you graduated five or 50 years ago we invite you to get together with old friends and former classmates to reminisce and celebrate your experiences and friendships from the University of Birmingham. While we do celebrate milestone anniversaries, all alumni are welcome to attend this special Reunion Day regardless of your graduation year.

Take a trip down memory lane with a tour of Metallurgy and Materials and explore our beautiful campus to see what has changed, and indeed what has stayed the same, since your time at Birmingham. Why not get a group of friends together? We are happy to help

contact those you have lost touch with.

50th and Golden Anniversary tickets cost £45 and include a two-course formal lunch. All other tickets are £42 and include a hot buffet lunch. All bookings made before Friday 22 April 2016 are eligible for a £5 early booking discount.



[FIND OUT MORE >](#)



EPS Societies' Awards 2016

Were you a member of a student society during your time at Birmingham? Or have you been impressed reading about the activities of our [current student societies](#)? Why not nominate them for this year's Societies' Awards?

These Awards celebrate the lengths our students go to make the University a better place to work and play. Join our celebrations by nominating your society for these Awards. Maybe your former society



Societies' News

It's been a busy term for our societies! Nicole Lee, Social Secretary of [BUMS](#), Rob Arnold from [NucSoc](#), and the [WISE](#) committee tell us about their activities over the past few months, from industrial events to sporting competitions and introducing their new committees. This term we also welcome four new societies to our community: [Drone Soc](#), [Games Development](#), [SATNAV](#) and [oSTEM](#).

The College of Engineering and Physics Sciences is home to 24 student societies. Each does fantastic work to promote employment

will win the much coveted *Society of the Year*. They need your help!

[FIND OUT MORE >](#)

opportunities, industrial visits, guest speakers and, of course, social events.

[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](#).

The [decommissioning of nuclear facilities](#) is growing worldwide, creating job opportunities at all educational levels.

Nick Winsor, Chairman of the [Energy Systems Catapult](#), discussed how the Catapult will help deliver the UK's objectives for the transformation of energy systems at the University on 11 February.

Birmingham strengthens its partnership with China in [civil nuclear energy studies](#).

[Mark Garnier, Conservative MP for Wyre Forest](#), visited the University on 5 February to see latest developments in energy storage research.

Professor Dave Charlton, Spokesperson for the ATLAS Collaboration at CERN, delivered the latest [EPS Distinguished Lecture on the future of the world's largest scientific instrument](#) and the engineering involved.



Micro-Volunteering Day, 15 April

To mark international Micro-Volunteering Day on 15 April there's a whole range of opportunities to



Get involved!

There are many ways you can get involved with us:

- Tell us about your career and

support Birmingham – all in fifteen minutes or less.

These bite-sized tasks can have a big impact – from offering and how advice to students, or celebrating with the University's newest alumni by sending in your graduation memories. In Metallurgy and Materials we are particularly keen to hear what you've been up to since graduating and how your careers have progressed so we can share your stories with students.

[FIND OUT MORE >](#)

what you've been up to since graduating by completing a [career profile](#)

- Become a mentor and help support our students
- Share a photograph of yourself in your workplace on [Twitter](#) with #wearebrumalum
- Offer a work experience placement or internship
- Join in [Micro-Volunteering Day](#) on Friday 15 April

[FIND OUT MOORE >](#)

Events

[EPS Inaugural Lecture Series](#)

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

Friday 6 May

[Mathematics in Railway Industry](#)

Join the Birmingham Centre for Railway Research and Education for this free workshop on mathematics in the railway sector, including a technical visit to the newly refurbished Birmingham New Street Station.

Time: 9:30am-6pm

Venue: Gisbert Kapp Building, Edgbaston Campus

Friday 13 May

[Alumni Reception in Singapore with the Vice-Chancellor](#)

Join the Vice-Chancellor, Professor Sir David Eastwood, for an alumni reception in Singapore.

Time: 6:30pm-8:30pm

Venue: The Ritz-Carlton, Millenia Singapore

Tuesday 17 May

[Birmingham Heroes Lecture: Unlocking the immune system](#)

In the fifth Birmingham Heroes lecture, Professor Gary Middleton, Professor of Medical Oncology at the University's Institute of Immunology and Immunotherapy, will present the research and work being undertaken by the Cancer Immunology and Immunotherapy Centre at Birmingham, and how they are developing treatments to protect, harness and

enhance the immune system's response to cancer.

Time: 6:45pm-8:45pm

Venue: 10-11 Carlton House Terrace, London

Wednesday 8 June 2016

[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 18 June 2016

[EPS Alumni Reunion](#)

As a graduate of one of the nine schools in the College of Engineering & Physical Sciences, 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

Thursday 23 June London

[Professional Network 2016](#)

This popular network is the perfect opportunity to enhance your portfolio of contacts and to meet alumni working in related professions, whilst enjoying wine and canapes.

Time: 6:30pm-8:30pm

Venue: The Royal Academy of Arts, London

Global Alumni Gatherings

The University of Birmingham has alumni groups all over the world organising local events. A full listing of international events is available on our [website](#). To join a group and see details of upcoming please visit the [webpage](#) and select your location



You have received this email from the University of Birmingham because we believe that it is relevant and of interest to you. If you would like to opt out of receiving further University news via email, please visit [your.bham email](#) or telephone +44 (0)121 414 2773. In order to further tailor the communication we send, all emails are tracked and processed; further information regarding our use of data, is available by looking at our [data protection statement](#).

Having difficulty viewing this email? A pdf version is available on our [website](#).