

UNIVERSITY OF  
BIRMINGHAM

# School of Metallurgy and Materials 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 graduands one by one as they proudly stepped up to shake hands with Pro-Vice Chancellor 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: [Professor David Book has celebrated his inaugural lecture](#) and we are delighted that [Professor Nick Green has joined us as Director of the High Temperature Research Centre](#). 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 BUMS winning the coveted Society of the Year Award and WISE being awarded Head of College Idea of the Year.

And so 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,

**Dr Stephen Kukureka**  
Deputy Head of School  
Metallurgy and Materials

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## News from the School of Metallurgy and Materials

### 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 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.](#)



### Congratulations class of 2015!

Congratulations to all of our new Metallurgy and Materials graduates who received their certificates 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 opportunity to reminisce with their classmates, revive old friendships and catch-up on all that has changed in their School. [Read more.](#)

### EPS Societies' Awards 2015



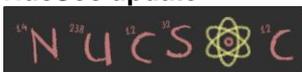
On Tuesday 9 June the College celebrated the achievements of our 17 student societies with the sixth annual EPS Societies' Awards. From public astronomy events with AstroSoc to designing Formula 1 cars with UBRacing, the societies do astonishing work not just in academia but also to promote career opportunities, industrial visits and, of course, social events. A great night was had by all and over £10k was raised for research into childhood brain cancer conducted in the University's School of Cancer Sciences. [Read more.](#)

### BUMS update



BUMS have had a fantastic year culminating with winning Society of the Year 2014/15 at the EPS Societies' Awards. Co-Chair Deborah Harris [tells us more.](#)

### NucSoc update



The current and past NucSoc committees look back on an incredibly busy few months for the Society. [Read more.](#)

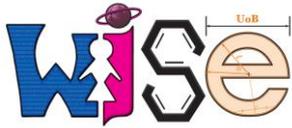
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## UBRacing gain their best result at Formula Student



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 update



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.](#)

## New director for High Temperature Research Centre



The University of Birmingham's High Temperature Research Centre has announced that Professor Nick Green has taken up his new position as Director.

Nick joins from Doncasters Ltd where he held the position of Head of Technical Centre. At Doncasters he established and led the Centre, bringing to bear a focus of material characterisation and material/process modelling for development of high value manufacturing processes. [Read more.](#)

## Hydrogen Energy promises to be a major player in the transport of the future



Queuing at a filling station could become a thing of the past if new-generation hydrogen-fuelled cars take to the road. Innovative research being carried out by [Professor David Book](#) could see drivers refuelling their vehicles at home. David, who is Professor of Energy Materials in the School of Metallurgy and Materials, is a world-leading expert on hydrogen energy and storage. In his recent Inaugural Lecture, entitled 'Hydrogen energy – using materials to purify, compress and store H<sub>2</sub>', he explained how hydrogen promises to be a major player in the transport of the future, as it can be combined with oxygen from the air in a fuel cell to produce electricity, with only water vapour as the exhaust gas. [Read more.](#)

## CASiM Project



A collaboration between the University of Birmingham, Rolls-Royce and the Manufacturing Technology Centre, the CASiM2 project has been opening up the world of advanced simulation and computational modelling to local SMEs. CASiM2 offers a unique simulation and modelling service that has been helping local manufacturing to virtually test new processes and designs without the cost of prototyping. The funding for this project has enabled the University to retain some of its most exciting postgraduates and allowed them the freedom to explore simulation and modelling further. This project has also focussed on helping graduates of the University gain employment with local manufacturers which has been an excellent outcome both for the University and the locality. If you have been involved with the project, why not give us some feedback by completing our [short survey.](#)

To find out more about the project please visit the websites [here](#) and [here.](#)

## CHART Project



The University runs a materials characterisation project which aims to support small and medium-sized enterprises (SMEs) with their manufacturing challenges. Through this project the University has purchased several pieces of world-leading equipment including electron

as  
ers and

vice versa. In order to promote this service, we are inviting SMEs into the University for an open day to find out more about CHART and how they might work alongside us. If you've worked with the CHART Project why not [fill in our quick survey?](#)

For more information or to book onto an open day please [visit our website](#).

## 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](#).

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## 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.

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## 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](#)

### [Thursday 24 September 2015](#)

**A Celebration of the Life and Times of Ray Smallman**

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 8 October 2015**

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**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 22 October 2015**

**Tin Oxide: History, Applications and Future Challenges, *Oliver Brinkman Hounsel Glassworks***

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 5 November 2015**

**Fracking-a fractured future? *Bonnie Pailing, Arup***

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 19 November 2015**

**Some Challenges of Working with Composites, *Jamie White, Exactaform***

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 3 December 2015**

**Light Weight Alloys and the Sports Industry, *Keith Norhona, Reynolds Technology***

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 17 December 2015**

**Christmas Reception**

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 28 January 2016**

**The Pen Museum, *Larry Hanks***

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 11 February 2016**

**Advances in Casting Theory and Practice, *John Campbell, Tech.Plus***

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 25 February 2016**

**West Midlands Heats of the IoMMM Lecture Competition**

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**Thursday 10 March 2016**

**The Cold Economy, *Toby Peters, University of Birmingham***

**Time: 6pm**

**Venue: Small Lecture Room (GD20), Metallurgy and Materials Building, Edgbaston Campus**

**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**

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**University events...**

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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](http://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

#### **Saturday 12 September 2015**

##### **[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 50<sup>th</sup> 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

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## **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.

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## **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](mailto:alumnioffice@contacts.bham.ac.uk).

**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 information from your College, School or Department by email, please opt-out by visiting [your.bham](#), emailing [alumnioffice@contacts.bham.ac.uk](mailto:alumnioffice@contacts.bham.ac.uk), or telephoning +44 (0)121 414 2773 / 2744 / 4724. 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](#)

