Hello,
As I write this introduction we are preparing to welcome our new students for the start of the new academic year. Looking back on the last year there have been many highlights. In this newsletter we cover all the news and events that we hope keep you informed. This covers research, advancements in medical technologies, Royal visits, student successes and awards, news from our alumni and much more.

Read more from Mark Simmons

Paula Mendes shortlisted for a Women in Tech Award
Professor of Advanced Materials and Nanotechnology, Paula has been making significant and varied contributions to the development of advanced technologies to address biotechnological and healthcare challenges. Congratulations Paula!

Remote-controlled stem cells for the future
Birmingham Healthcare Institute engineers are developing technology that allows stem cells to be remotely controlled. Professor Alicia El Ha explains how her team is using magnetic nanoparticles to revolutionise cell based treatment.
Smart tech helps Indian farmers reduce food waste and boost income
Harnessing smartphone technology so that Indian farmers make better business decisions could help to tackle the sustainable cooling challenge facing India and the wider world.

Clean cold experts launch toolkit to help tackle pollution and climate change
Our experts are working with the Kigali Cooling Efficiency Program and UK Government to help accelerate the spread of affordable sustainable energy and tackle climate change.

From the wider College: The problem with the plastics problem
Solving the plastics problem will not be easy. It does not have one single and simple solution. The problem is complex and often underestimated. Single use plastics, exemplified by plastic packaging will, and should, never be eliminated completely - to do so would risk other undesirable environmental consequences.

Student rising to the top
Krystel Goodwin, a third year student on the Chemical Engineering MEng programme, has made the top 10 finalists for the TARGETjobs Science Undergraduate of the Year Award 2019. Congratulations Krystel!

EPS Societies’ Awards
986 nominations were received to this year’s student society awards. We’re proud to announce that our own Yasmin Afia Bobie won Role Model of the Year, and the new Energy Society received the Head of College Idea of the Year!
Launch of a brand new website

We're excited to launch to you, our alumni, the brand new EPS Community website; you're the first people to see this! Chemical Engineering and the College of Engineering and Physical Sciences, in which we are part, has a community of over 85,000 graduates, students, staff and friends. This new site celebrates everything that brings our unique community together and explores opportunities for you to join in. Come along to one of our events, see what our 38 student groups are up to, learn about your fellow alumni, and discover how you could get involved. Let us know your feedback by emailing eps-community@contacts.bham.ac.uk, we'd love to hear from you.

WE ARE BIRMINGHAM ALUMNI

Share your story and inspire our students

From recent graduates to industry leaders, you are making important things happen. You can inspire students and offer an insight into the opportunities awaiting them. Whatever you're doing, they want to hear from you. Plus, anyone who submits a profile before 1 November will receive an Old Joe magnet.

Alumni spotlight: Dr Maria Velissariou

In February, and in the lead up to International Woman's Day, our Women in Science and Engineering Society had the privilege to interview Dr. Maria Velissariou, Chief Science and Technology Officer at the Institute of Food Technologists, as she spoke at one of their events on the importance of mentoring.

Could you mentor a student?

We're looking for enthusiastic alumni and professionals to provide expertise, advice and inspiration to help our students start their careers. Mentoring makes a real difference; we all know the benefits of having someone to bounce ideas off. If you'd like to be that person, please get in touch.

Email Grace to become a mentor
News roundup

Chemical Engineering at Birmingham rises to 6th place in the 2020 Guardian University Rankings.

The Faraday Institution announces a further £55 million for energy storage research.

Dr Sophie Cox's work on engineering honey to fight the growing threat of antimicrobial resistance featured on BBC One’s Breakfast news programme.

Birmingham experts have worked with one of China’s biggest railway rolling stock companies to develop the world’s first shipping container using materials that store and release cold energy.

Birmingham hosts UK-China symposium on clean energy utilisation and energy storage.

HRH The Duke of Sussex visits the world's first conflict wound research centre.

Chemical Engineers takes first step to developing rigorous numerical model to predict the shape and size of drops and flows occurring within micro-fluidic devices.

Birmingham Centre for Energy Storage to lead the UK’s new energy storage research network.

Scientists at the University of Birmingham have developed a novel eye drop that rapidly reduces sight-threatening scarring to the surface of the eye.

Nisha Kandola, a recent Masters in Chemical Engineering graduate, has received a prestigious Salters' Graduate Award.

Events

Sustainable civil nuclear power workshop
17 September 2019, 9:30am-5pm
Old Gym, University of Birmingham

My Life in Maths and Shaping the Brain - London Mathematical Society Popular Lectures
19 September 2019, 6:30-8pm
Bramall Music Building, University of Birmingham

Wetting of hydrophobic and superhydrophobic surfaces workshop
20 September 2019, 10:30-11:30am

Join In Hong Kong
24 October 2019, 6:30-8:30pm
Asia Society Hong Kong Center, Admiralty, Hong Kong

Careers and Coffee
29 October, 6-8pm
Cherry Reds, Birmingham City Centre

Join In New York
13 November 2019, 6:30-8:30pm
Four Seasons Hotel, Barclay Street, New York

Join In San Francisco
G34 Engineering Building, University of Birmingham

**Book to the Future**
18-19 October 2019 The University's annual festival of the written and spoken word, featuring free workshops, panel discussions, performances and author talks, including:

- **The return of race science, Angela Saini**
  18 October, 5:30-7pm

- **From Brum to bakes, Candice Brown**
  19 October, 6-7pm

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**LGBTSTEMinar**
10 January 2020
University of Birmingham

**House of Lords Reception**
24 April 2020, 6:30-8:30pm
House of Lords, London

**EPS Societies’ Awards**
10 June 2020, 7:30-11:30pm
Great Hall, University of Birmingham

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