

UNIVERSITY OF
BIRMINGHAM

School of Chemical Engineering Community

Part of
THE EPS COMMUNITY



Summer 2013

Greetings

Welcome to the first alumni newsletter. The School is thriving. The range and variety of our research continues to grow, with funding for work ranging from classical chemical engineering, in fluid mixing and catalysis, to work on tissue engineering, nanotechnology, and the dynamics of washing machines. We have significant funding from companies as diverse as Rolls Royce and Mondelez (Cadbury as was) - both based around casting, one of single crystal turbine blades and one of chocolate. Hopefully the students benefit from this diversity - the aim of the School remains to give an excellent grounding in the subject whilst showing as wide a range as possible of the career paths chemical engineers can take. We have a strong intake of students into the first year, all of whom are predicted to get straight As or equivalent at A level (when Birmingham made me an offer, quite a long time ago, I was told to get three Cs...). This is in part the result of an initiative from the IChemE to explain to schools what chemical engineering is and why it matters, that has increased applications nationally - if you have not seen www.whynotchemeng.com/ please go and have a look, and spread the word. Fingers crossed, increasing fees have not affected the people who want to do chemical engineering; one of the best ways of recruiting is to show that our graduates and alumni continue to get good jobs and enjoy successful careers.

Professor Peter Fryer
Head of School
Chemical Engineering

In this issue...

[News from the School](#)

[Alumni profile](#)

[New staff](#)

[Alumni Giving](#)

[Are you LinkedIn?](#)

[What is your story?](#)

[Your School needs you](#)

[Events taking place](#)

News from the School of Chemical Engineering

Congratulations to all our recent graduates



Congratulations to everyone who graduated this summer and welcome to the alumni community! Graduations this year fell at the beginning of the heat wave and graduands enjoyed a beautiful summer's day to shake hands with Sir Dominic Cadbury and receive their degree certifications. **To read more about the day [click here.](#)**

University research to develop technologies which could transform electricity system

The University of Birmingham has won a £6m grant from the Engineering and Physical Sciences Research Council to create a new Centre for Cryogenic Energy Storage. The 'liquid air' technology could revolutionise the storage of energy, reducing the costs of integrating intermittent generation into the electricity system and ensuring power is available when it is most needed. The Centre will be the UK's first dedicated research facility for energy storage using cryogenic liquids, comprising new laboratories, state of the art equipment, and a major demonstration plant. [Read more.](#)

How the RWE npower Energy Challenge helped one graduate



Engineering has always been Andrew's passion. He spent his childhood taking things apart and rebuilding them, with an undying interest in how they work and can be improved. In 2012 he entered and won the RWE npower Energy Challenge as part of a team from the School of Chemical Engineering. [Read his story here.](#)

Students Plan Hydrogen Refuelling Infrastructure for Northeastern United States

Students from the University of Birmingham Centre for Hydrogen and Fuel Cell Research received an honourable mention award from representatives of Mercedes-Benz and Toyota for their entry into the 2012-13 Hydrogen Student Design Contest at the Alternative Clean Energy Expo in Washington D.C. The annual Contest demonstrates the talents of the student teams in the fields of engineering, architecture, marketing, and entrepreneurship. [Read the full story here.](#)

Preparing for the low carbon economy: fresh dialogue advances UK-China collaborations in sustainable energy

The University of Birmingham is at the forefront of developments between the UK and China in driving the low carbon transition. Smart grids have emerged as an important platform for China to realise its demanding energy targets, and research and development in this area is a national priority. Leading figures across industry, science and government convened at the University of Birmingham in July to further UK-China partnerships in sustainable energy and smart grid technologies. [Read more.](#)

“Having a PhD is just the start”



Dr. David Dimeloe graduated with a PhD in Chemical Engineering in 1971. His career has led him to be Chairman of Mackwell Electronics, an emergency lightening manufacturer and Carbon Zero company. [Read his story here.](#)

New staff in 2013

There have been a number of appointments in the School this year. [Read a summary of our new staff and their research interests online here.](#)

Puzzle-based Learning in STEM Subjects

Our generous alumni donors have funded projects across the University to provide immediate impact to our student body. Colleagues in Chemical Engineering and Maths have benefited from this generosity and created a "Guide to Puzzle-based Learning in STEM Subjects" to assist students who use maths as part of their degree. [Read more about Puzzle-based Learning here](#)

Have you joined the School LinkedIn Community yet?



An online community for alumni, students, faculty and friends from the School of Civil Engineering, the LinkedIn group provides you the opportunity to engage in conversation, find former colleagues, keep up to date with changes in the School and debate with academics. [Join this growing community today.](#)

We would love to hear from you

Everyone has a story to tell and we would love to hear yours. What have you been up to since leaving the School of Chemical Engineering? Have you had any successes or challenges that you would like to share with fellow graduates? Do you have any particular words of wisdom you would like to pass on to graduating students?

Your stories help us to promote your School, communicate with prospective students and complete the history of this institution. Please fill in the [online form](#) or email us at eps-community@contacts.bham.ac.uk, we would love to hear from you.

Your School needs you...

Would you be able to share some of your time, expertise or connections to help Chemical Engineering to succeed? There are many ways in which you can give a little back, from providing a career profile, to mentoring a student. **Details can be found [online](#) and [email us](#) if you would like to get involved.**

Events taking place shortly...

[Food Microbiology for Enforcement and Industry](#)

15 - 16/10/2013

A food microbiology course for enforcement and industry is being held on the 15th and 16th October 2013 at the University of Birmingham. Aware that both enforcement agencies and industry have very limited time and budgets in the current economic climate, the course has been designed to allow delegates to either attend one or two days. To register please email Gill Burrows on burrowsg@bham.ac.uk.

[Undergraduate Open Day](#)

14/09 and 26/10/2013

Encourage students you know to visit the School of Chemical Engineering, meet our staff and students and learn about our degrees.

Do we have the right details for you?

According to our records your current business details are as follows: Position at Organisation Name If this is not correct, please visit [your.bham](#) or email 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, 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](#)