

## Keep connected

Keep connected to what is happening at the University and in your College through our news postings, social media channels and by attending events.

### Community news

#### **[Are low carbon battery-powered trains the future? \(/university/colleges/eps/news/college/2015/01/Are-low-carbon-battery-powered-trains-the-future-.aspx\)](/university/colleges/eps/news/college/2015/01/Are-low-carbon-battery-powered-trains-the-future-.aspx)**

The Birmingham Centre for Railway Research and Education's (BCRRE) Traction Systems Research Group has been investigating the potential for novel traction technologies for trains for some years. In 2009 the group completed a study for the Department for Transport in conjunction with TRL Ltd. to investigate the potential of a train powered entirely by batteries; the results of this work led the industry to begin to think more seriously about developing Independently Powered Electric Multiple Unit trains for the UK.

#### **[Birmingham researchers build momentum at CERN with New Physics experiment \(/university/colleges/eps/news/college/2015/01/Birmingham-researchers-build-momentum-at-CERN-with-new-physics-experiment-.aspx\)](/university/colleges/eps/news/college/2015/01/Birmingham-researchers-build-momentum-at-CERN-with-new-physics-experiment-.aspx)**

Birmingham Particle Physics research group successfully completed a pilot run of the NA62 experiment at test facility CERN on Monday 15 December 2014. The experiment is a continuation of the very successful charged and neutral program at CERN which started with NA48.



#### **[Changing Interactions: A perspective on the nature of our interaction with computers, and what this means for the future \(/university/colleges/eps/news/college/2015/01/Changing-Interactions.aspx\)](/university/colleges/eps/news/college/2015/01/Changing-Interactions.aspx)**

Professor Russell Beale delivered his inaugural lecture in November 2014. This profile celebrates his success in the field of Computer Science.



#### **[UK's first independent research to monitor fracking as it happens \(/university/colleges/eps/news/college/2015/UKs-first-independent-research-to-monitor-fracking-as-it-happens.aspx\)](/university/colleges/eps/news/college/2015/UKs-first-independent-research-to-monitor-fracking-as-it-happens.aspx)**

The University of Birmingham will partner in a national environmental research programme carried out by a UK Consortium and led by the British Geological Survey (BGS). Dr Michael Rivett, Senior Lecturer in Earth Sciences (Contaminant Hydrogeology) at the University of Birmingham is a member of the consortium research team, aiming to enhance the scientific understanding and knowledge of the effects of shale gas operations on the environment.

#### **[Public support for nuclear energy at an all-time high \(/university/colleges/eps/news/college/2014/Public-support-for-nuclear-energy-at-an-all-time-high.aspx\)](/university/colleges/eps/news/college/2014/Public-support-for-nuclear-energy-at-an-all-time-high.aspx)**

Professor Martin Freer comments on a new ComREs opinion poll that found that a majority of adults now support the use of nuclear power to provide energy in the UK.

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**[More EPS news... \(/university/colleges/eps/news/news.aspx\)](/university/colleges/eps/news/news.aspx)**

### EPS events

#### **[Professor Xiao-Ping Zhang's Inaugural Lecture \(http://www.birmingham.ac.uk/university/colleges/eps/events/inaugural-lecture/Xiao-Ping-Zhang-25-02.aspx\)](http://www.birmingham.ac.uk/university/colleges/eps/events/inaugural-lecture/Xiao-Ping-Zhang-25-02.aspx)**

25/02/2015

In this lecture, Professor Zhang will discuss the scope of the Power & Energy Internet in the contexts of 3rd Energy Industrial Revolution and then explain the architecture of Power & Energy Internet. In addition, the key technologies and major challenges for building up the Power & Energy Internet will be presented, highlighting the technological developments and achievements at the University of Birmingham.



#### **[EPS Distinguished Lecture: Prof Dr PE Seeram Ramakrishna \(http://www.birmingham.ac.uk/university/colleges/eps/events/distinguished-lecture/Seeram-Ramakrishna.aspx\)](http://www.birmingham.ac.uk/university/colleges/eps/events/distinguished-lecture/Seeram-Ramakrishna.aspx)**

10/03/2015

EPS Distinguished Lecture: How to Live Beyond 100 Years? Science & engineering-enabled ageless living.



#### **[EPS Societies' Awards 2015 \(/university/colleges/eps/events/EPS-Societies-Awards-2015.aspx\)](/university/colleges/eps/events/EPS-Societies-Awards-2015.aspx)**

09/06/2015

The College of Engineering and Physical Sciences hosts 15 student societies covering all disciplines and all Schools. Each does fantastic work to promote careers opportunities, industrial visits, guest speakers and of course social events. These Awards act as a reminder of the hard work and dedication undertaken by students to make the University a better, more vibrant place to study and play.



#### **[EPS Reunion 2015 \(/university/colleges/eps/events/EPSreunion2015.aspx\)](/university/colleges/eps/events/EPSreunion2015.aspx)**

20/06/2015

As a graduate of one of the nine schools in the College of Engineering & Physical Sciences (EPS), you are invited back to campus on 20 June 2015 for a Summer Reunion to get together with your fellow alumni to celebrate your experiences, accomplishments and friendships at the University of Birmingham. The day will be an opportunity to meet up with your classmates to explore campus and see what has changed and, indeed what has stayed the same, since your time at



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<http://www.tinyurl.com/epslinkedin>



</alumni/events/events-calendar.aspx>

