

Research news

Government funding will allow quantum technology industry to flourish in UK

(<http://www.birmingham.ac.uk/research/impact/thebirminghambrief/items/2014/11/quantum-technology-27-11-14.aspx>)

We are on the way to creating a UK 'Quantum Valley', which, similar to Silicon Valley in the US, will provide an ecosystem of supply chain industries, skilled workforce and educated end users in which a multi-billion-pound quantum technology industry can flourish.

27/11/2014

The changing world of perfume and why some chemicals are being taken out

(</university/colleges/eps/news/college/2014/changing-world-of-perfume-chemicals-taken-out.aspx>)

There are two types of perfume in the world: the fast turnover celebrity perfumes, designed to hit the market and make profits before a star's capital wanes; and the timeless classics, with their expensive ingredients and loyal followings. While the names endure, many of the ingredients and quantities have changed over time.

27/11/2014

Exploiting the 'spooky effects' of quantum mechanics: physicists receive £80 million in funding

(</news/latest/2014/11/26-Nov-14-quantum-mechanics-physicists-receive-80-million-in-funding.aspx>)

A consortium led by physicists at the University of Birmingham including the Universities of Glasgow, Nottingham, Southampton, Strathclyde and Sussex have been awarded a UK Quantum Technology Hub with a total EPSRC, University and industry contribution exceeding £80 million to translate their work in quantum sensors into technology that could help industry solve many problems.

26/11/2014

Let Robot Battle Commence (</university/colleges/eps/news/college/2014/Let-Robot-Battle-Commence-.aspx>)



Celebrating the fourth edition of European Robotics Week (ERW), the School of Computer Science at the University of Birmingham will be taking part in a number of robot challenges from Monday 24 - Friday 28 November to showcase its broad and pioneering activity in the field of robotic research and development.

24/11/2014

From Lab Bench to Backbench (</university/colleges/eps/news/college/2014/From-Lab-Bench-to-Backbench.aspx>)

John Bridgeman, Professor of Environmental Engineering and Director of Research and Knowledge Transfer in the College of Engineering and Physical Sciences will be swapping lab coat for legislation, when he visits civil servant, James Riches, at the House of Commons today (Monday 24 November) for a "Week in Westminster", as part of a unique pairing scheme run by the Royal Society – the UK's national academy of science.

24/11/2014

New mathematical discovery in maximal sum-free sets after a decade of the unknown

(</university/colleges/eps/news/college/2014/New-mathematical-discovery-in-maximal-sum-free-sets-after-a-decade-of-the-unknown.aspx>)

The College of Engineering and Physical Science Best Publication Award September 2014 was awarded to Andrew Treglown, University of Birmingham and József Balogh, Hong Liu, Maryam Sharifzadeh, University of Illinois for 'The number of maximal sum-free subsets of integers'.

13/11/2014

A cool appointment: Birmingham introduces new Visiting Professor of Power and Cold Economy

(</news/latest/2014/11/13-Nov-14-A-cool-appointment-Birmingham-introduces-new-Visiting-Professor-of-Power-and-Cold-Economy.aspx>)

Toby Peters, long-time advocate of UK-based innovation in energy systems and founder of Highview Power and the Dearman Engine Company, has been appointed to the position of Visiting Professor in Power and Cold Economy at the University of Birmingham.

13/11/2014

University of Birmingham Research Triumphs at IET Innovation Awards

(</university/colleges/eps/news/college/2014/Recognition-for-University-of-Birmingham-Research-at-IET-Innovation-Awards-.aspx>)

Talented PhD student, Mohammad Esgandari, has been nominated for the Institution of Engineering and Technology (IET) Innovation Award for his pioneering Partitioned Brake Pad concept.

12/11/2014

Birmingham and Nottingham projects to strengthen UK-Rio research links

(</university/colleges/mds/news/2014/11/faperj-funding.aspx>)

The University of Birmingham and the University of Nottingham have strengthened their collaborations with Brazilian institutions in the state of Rio de Janeiro after securing funding for a number of country-specific research projects. The Rio de Janeiro State Funding Agency (FAPERJ) has allocated £100,000 for nine research projects in 2014/2015, with the amount matched by combined funding from the Universities of Birmingham and Nottingham.

12/11/2014

[Engineering and Physical Sciences in the media - November 2014 \(/university/colleges/eps/news/eps-media/2014/november.aspx\)](#)

From Bob the Robot to postgraduate engineering courses.

11/11/2014

[Human Factors in Healthcare \(/schools/eese/news/human-factors-healthcare.aspx\)](/schools/eese/news/human-factors-healthcare.aspx)

Professor Bob Stone's research on utilising virtual environments for patient care featured in an IEHF publication 'Human Factors in Healthcare'

06/11/2014

[Birmingham and Nottingham projects to strengthen UK-Rio research links \(/news/latest/2014/11/faperj-funding.aspx\)](/news/latest/2014/11/faperj-funding.aspx)

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06/11/2014

[Cooking up carbon: sawdust and iron in the melting pot \(/news/latest/2014/10/22-Oct-14-Cooking-up-carbon-sawdust-and-iron-in-the-melting-pot.aspx\)](/news/latest/2014/10/22-Oct-14-Cooking-up-carbon-sawdust-and-iron-in-the-melting-pot.aspx)

Chemists at the University of Birmingham have found a new way to make nanostructured carbon using the waste product sawdust, according to research published in the Royal Society of Chemistry journal Green Chemistry today (23 October 2014).

23/10/2014

[High Temperature Research Centre reaches the top \(/news/latest/2014/10/High-Temperature-Research-Centre-reaches-the-top.aspx\)](/news/latest/2014/10/High-Temperature-Research-Centre-reaches-the-top.aspx)

Construction of the University of Birmingham's High Temperature Research Centre reached a significant milestone this week as the University and contractor Wates Construction celebrated the development's 'topping out'.

21/10/2014

[Russell Group-China Workshop on Sustainable Energy and Carbon Reduction \(/university/colleges/eps/news/college/2014/Russell-Group-China-Workshop-on-Sustainable-Energy-and-Carbon-Reduction.aspx\)](/university/colleges/eps/news/college/2014/Russell-Group-China-Workshop-on-Sustainable-Energy-and-Carbon-Reduction.aspx)

A Birmingham delegation recently visited China to attend a Russell Group-China Workshop on Sustainable Energy and Carbon Reduction.

20/10/2014

[Birmingham physicist elected UK ATLAS Physics Coordinator \(/university/colleges/eps/news/college/2014/Birmingham-Physicist-elected-UK-ATLAS-Physics-coordinator.aspx\)](/university/colleges/eps/news/college/2014/Birmingham-Physicist-elected-UK-ATLAS-Physics-coordinator.aspx)

Dr Kostas Nikolopoulos, Birmingham Fellow in the School of Physics and Astronomy, has been elected UK ATLAS Physics coordinator.

15/10/2014

[Engineering and Physical Sciences in the media - October 2014 \(/university/colleges/eps/news/eps-media/2014/october.aspx\)](/university/colleges/eps/news/eps-media/2014/october.aspx)

From security analysis on the national grid and rail systems to detoxing from technology and more...

14/10/2014

[Birmingham puts LGBTQ identities at the heart of its curriculum \(/news/latest/2014/10/lgbtq-curriculum.aspx\)](/news/latest/2014/10/lgbtq-curriculum.aspx)



The University of Birmingham is taking steps to ensure that its curriculum is inclusive towards those with lesbian, gay, bisexual, transgender or queer (LGBTQ) identities.

14/10/2014

[High-speed rail college a boost for the region – the hard work starts now](#)

[\(/news/thebirminghambrief/items/2014/10/high-speed-rail-college-09-10-14.aspx\)](#)

Last week the government announced that the headquarters of the new National College for High Speed Rail will be located in Birmingham, with a satellite site in Doncaster. This is good news for the railway industry and good news for the two regions. It's also good news for the University of Birmingham, which will play a key role in the work of the college through its Centre for Railway Research and Education (BCRRE).

09/10/2014

High-speed rail college a boost for the region – the hard work starts now
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09/10/2014

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