

Research news

[Transformative new approach to glucose sensor devices \(/university/colleges/eps/news/college/2014/Transformative-new-approach-to-glucose-sensor-devices.aspx\)](/university/colleges/eps/news/college/2014/Transformative-new-approach-to-glucose-sensor-devices.aspx)

College Best Publication Award. John S. Fossey (Chemistry), Paula Mendes (Chemical Engineering) and others from the University Birmingham, UK, along with collaborators at the University of Bath (Tony James), UK, and at the East China University of Science and Technology (Yitao Long), China, produced two back to back papers on the development of glucose sensors, which appeared in Analyst.

24/06/2014

[Funding boost for research into harmonic analysis \(/university/colleges/eps/news/college/Funding-boost-for-research-into-harmonic-analysis.aspx\)](/university/colleges/eps/news/college/Funding-boost-for-research-into-harmonic-analysis.aspx)

Dr Maria Carmen Reguera, Birmingham Fellow in the School of Mathematics is among 13 top scientists to receive a funding boost for her research from the VINNOVA programme, Mobility for Growth.

23/06/2014

[Funding strengthens UK-Rio research links \(/news/latest/2014/06/Funding-strengthens-UK-Rio-research-links.aspx\)](/news/latest/2014/06/Funding-strengthens-UK-Rio-research-links.aspx)



The University of Birmingham and the University of Nottingham have a new funding agreement to work with leading research institutions in the Brazilian state of Rio de Janeiro. The agreement will initially support up to 10 collaborative research projects over two rounds of funding worth £340,000.

23/06/2014

[Poll places Birmingham academics among world's most influential researchers \(/news/latest/2014/06/Poll-places-Birmingham-academics-among-worlds-most-influential-researchers.aspx\)](/news/latest/2014/06/Poll-places-Birmingham-academics-among-worlds-most-influential-researchers.aspx)

Four academics from the University of Birmingham have been named as Highly Cited Researchers in a prestigious list of the world's leading scientific minds.

20/06/2014

[Clark Lecture 2014: Steve Yianni, Chief Executive, Transport Systems Catapult Ltd \(/schools/civil-engineering/news/clark-lecture-2014.aspx\)](/schools/civil-engineering/news/clark-lecture-2014.aspx)

The fifth instalment of the School of Civil Engineering's annual Clark Lecture was this year delivered by Steve Yianni, Chief Executive at Transport Systems Catapult Ltd.

18/06/2014

[Recent research grants in Engineering and Physical Sciences \(/university/colleges/eps/news/awards/research-grants-0614.aspx\)](/university/colleges/eps/news/awards/research-grants-0614.aspx)

A selection of recent research awards in Engineering and Physical Sciences totalling in excess of £1.4 million. From aerospace coatings to railways and more...

17/06/2014

[G4S takes on a new recruit \(/news/latest/2014/06/G4S-takes-on-a-new-recruit-16-04-14.aspx\)](/news/latest/2014/06/G4S-takes-on-a-new-recruit-16-04-14.aspx)

Bob, the autonomous robot starts work as a trainee security officer

16/06/2014

[Birmingham shortlisted for National College for High Speed Rail \(/university/colleges/eps/news/college/Birmingham-shortlisted-for-national-college-for-high-speed-rail.aspx\)](/university/colleges/eps/news/college/Birmingham-shortlisted-for-national-college-for-high-speed-rail.aspx)



Birmingham is one of four locations across the country to have been shortlisted to become the home of the National College for High Speed Rail. The new College 'hub' and a number of 'spokes' based across the country will provide training to the next generation of engineers working on the HS2 project and beyond.

13/06/2014

[EPS in the media - June 2014 \(/university/colleges/eps/news/eps-media/2014/june.aspx\)](/university/colleges/eps/news/eps-media/2014/june.aspx)

Robots, molecules have no morals and more

10/06/2014

Molecules have no morals: ecstasy godfather Alexander Shulgin's legacy (/university/colleges/eps/news/college/molecules-morals-ecstasy.aspx)

Dr Simon Cotton writes for The Conversation.

10/06/2014

Privacy versus security – how to minimize the access to our personal data (/news/latest/2014/06/privacy-versus-security-09-06-14.aspx)

Scientists at the University of Birmingham announce that they have devised a method to make governments and other agencies more accountable for the data they collect from email communications, mobile phones and travel passes.

09/06/2014

Global impact in Engineering and Physical Sciences: Leading the way in computer and electrical engineering (/university/colleges/eps/news/college/global-impact-engineering-physical-sciences.aspx)



Professor Xin Yao, Professor of Computer Science and Director of the joint USTC-Birmingham Research Institute, and Professor Ian McLoughlin Professor in Electronic Engineering and Information Science at USTC and Birmingham alumnus, discuss the significance of international collaboration in their fields.

04/06/2014

Recent research grants in Engineering and Physical Sciences (/university/colleges/eps/news/awards/research-grants-0514.aspx)

A selection of recent research awards in Engineering and Physical Sciences totalling in excess of 900K. From novel implants to friction welding and more...

30/05/2014

Randomness to the rescue: If in doubt, flip a coin (/university/colleges/eps/news/college/Randomness-to-the-rescue-If-in-doubt,-flip-a-coin.aspx)

Until recently, combinatorics – the study of finite or countable discrete structures – was only a relatively small area within mathematics. Over the last few years, it has grown rapidly and today it is a well-established and very active field. Professor Deryk Osthus discusses the world leading Birmingham combinatorics study.

29/05/2014

Advanced materials research recognised by First Prize for Innovation for Product and Technology (/university/colleges/eps/news/college/Advanced-materials-research-recognised-by-First-Prize-for-Innovation-for-Product-and-Technology.aspx)

SAFRAN Prize: The University of Birmingham Advanced Materials and Processing laboratory led by Dr Moataz Attallah from the School of Metallurgy and Materials has received recognition for its contribution to the Use of Metal 3D Printing Technology (known as Selective Laser Melting Process) for Hot Section Parts of a Gas Turbine project in partnership with MicroTurbo and MONASH University.

29/05/2014

Trouble in the cloud leaves businesses tied to their servers (/university/colleges/eps/news/college/Trouble-in-the-cloud-Shehnila-Zardari-for-the-conversation.aspx)

Cloud computing is being heralded as the next big thing. Shehnila Zardari explores for The Conversation

20/05/2014

New microwave circuits for communication and sensing systems (/university/colleges/eps/news/college/New-microwave-circuits-for-communication-and-sensing-systems.aspx)

College best publication: New types of very high performance filters based on novel materials such as superconductors or ferroelectric and/or new fabrication technologies such as micromachined circuits are transforming everyday lives from broadcast, television and mobile phone communications technology to internet infrastructure, weather prediction.

16/05/2014

Scientists redefine production of world's third hardest material (/university/colleges/eps/news/college/Scientists-redefine-production-of-worlds-third-hardest-material.aspx)

Dr Isaac Chang from the School of Metallurgy and Materials was interviewed by The Manufacturer about his recent project, funded by the Defence Science and Technology Laboratory, to look at reducing the costs of producing boron carbide.

14/05/2014

Scientists take the grind out of producing one of the world's hardest materials known to mankind

A cheaper and more efficient way of processing one of the hardest materials on the planet could lead to the production of lighter, stronger and more hard-wearing machinery. Scientists at the University of Birmingham have developed a new method of producing boron carbide powder which uses lower temperatures and introduces fewer contaminants than current processing methods. Licensing partners are currently being sought by the University's commercialisation arm, Alta Innovations, to commercialise the technology.

12/05/2014

[Professor of Civil Engineering receives prestigious accolade from leading Middle East University \(/university/colleges/eps/news/college/Professor-Charalampos-Baniotopoulos-honorary-professorship.aspx\)](#)



Professor Charalampos Baniotopoulos, Chair of Sustainable Energy Systems and Director of the Resilience Centre in the School of Civil Engineering was awarded the title of Honorary Professor of the Jordan University of Science and Technology (JUST), last month.

09/05/2014

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