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Research news

Professor Yvonne Elsworth featured on BBC Radio Four's 'In our time' (http://www.bbc.co.uk/podcasts/series/iot)

How was the Sun formed, and what do we know about its structure and the processes going on inside our nearest star? Select 'The Sun 10 Jul' podcast from the linked page.

24/07/2014

Physics at Birmingham research paper appears in prestigious journal. (http://physics.aps.org/synopsis-for/10.1103/PhysRevLett.113.012502)

Professor Martin Freer's paper 'Carbon-12 Caught in a Triangle' featured in the high profile American Physics Society Journal.

24/07/2014

Chemists at Birmingham celebrate £1 million award for new equipment (/university/colleges/eps/news/college/2014/Chemists-at-Birmingham-celebrate-1-million-award-for-new-equipment.aspx)

Staff at the School of Chemistry at the University of Birmingham celebrated the installation of new equipment yesterday (21 July 2014) as a result of a £1 million award from the Engineering and Physical Sciences Research Council's core capability grant, and match funding from the University in excess of £500,000.

23/07/2014

Chemists at Birmingham celebrate £1 million award for new equipment (/news/latest/2014/07/22-Jul-14-chemists-at-birmingham-celebrate-one-million-award-for-new-equipment.aspx)

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23/07/2014

Small nuclear reactors may be the key to a low-carbon future (/university/colleges/eps/news/college/2014/small-nuclear-reactors-low-carbon-future.aspx)

Take a hard look at the painful process of de-carbonising the UK's electricity supply, and it's clear that the options on the table are not great.

17/07/2014

Engineering and Physical Sciences in the media - July 2014 (/university/colleges/eps/news/eps-media/2014/july.aspx)

From small nuclear reactors to the science of the sun and more...

17/07/2014

Virtual reality technology comes to Burrator (/schools/eece/news/burrator-02-14.aspx)

The University of Birmingham's Human Interface Technologies Team will be bringing the latest in Virtual Reality and Gaming technologies to the shores of Burrator Reservoir this weekend, as they take part in the official opening of South West Lakes' new Discovery Centre. Having already "hit the news" in the south west with their recent achievements using VR techniques to recreate the A7 submarine the HIT Team will be demonstrating how Virtual Reality can be used to "turn the clock back".

15/07/2014

Creative planning for 'self-made' UK cities of the future (http://www.birmingham.ac.uk/news/thebirminghambrief/items/2014/07/creative-planning-how-will-we-work-rest-and-play-in-cities-of-the-future.aspx)

The University of Birmingham Policy Commission on Future Urban Living launches its report in the House of Lords on Monday 7 July. The report is the culmination of a year's evidence taken from a wide range of leading practitioners and thinkers on cities from the UK and elsewhere, drawing from it ideas to inform the way we live, work and play in the cities of the future.

08/07/2014

Wirelessly Lockpicking a Smart Card Reader (/university/colleges/eps/news/college/2014/Wirelessly-Lockpicking-a-Smart-Card-Reader.aspx)

College best publication award: Dr Flavio Garcia, School of Computer Science, summarises a study of iClass, the widely used contactless smart card.

07/07/2014

2014 UK CubeSat Forum Workshop - Best student presentation (/schools/eece/news/UK-cubesat-forum-workshop.aspx)

Congratulations to Graham Kirkby, a PhD student in the Space Environment and Radio Engineering group

04/07/2014

Dr Elizabeth Blackburn receives early career award from Institute of Physics (/schools/physics/news/blackburn-award-institute-of-physics.aspx)

The Institute of Physics announced its 2014 award winners. Dr Elizabeth Blackburn, Reader in Experimental Physics, was awarded the Moseley medal for distinguished early career research in experimental physics.

04/07/2014

A manufacturing renaissance (/university/colleges/eps/news/alumni/manufacturing-renaissance.aspx)

As UK manufacturing experiences an upturn, Professor John R. Bryson, Professor of Enterprise and Competitiveness at Birmingham Business School, explains this unexpected phenomenon.

03/07/2014

Natural medicine is great, but chemists can make it even better (/university/colleges/eps/news/college/2014/natural-medicine.aspx)

For years humans have searched for medicines in nature. While some seek "natural cures" in order to avoid chemicals, in truth everything is made up of chemistry. But as humans, we're very good at manipulating what we find in nature – either through intention or accident.

02/07/2014

Paper proves that children are naturals when it comes to teamwork (/schools/psychology/news-events/2014/01July-children-are-naturals-when-it-comes-to-teamwork.aspx)

A paper by PhD student Sophie Milward on the topic of children's ability to co-operate with others has been accepted by prestigious journal Cognition.

01/07/2014

UK leads in cool technology – liquid air energy storage (/news/latest/2014/07/liquid-air-energy-storage-01-07-14.aspx)

The world's first research centre for Cryogenic Energy Storage has been established at the University of Birmingham

01/07/2014

Birmingham goes 'Beyond the Boson' at the Royal Society (/news/latest/2014/06/beyond-the-boson-30-06-14.aspx)

Scientists from the University of Birmingham are showcasing ground breaking research into the Higgs boson at the Royal Society Summer Science Exhibition 2014.

30/06/2014

Civil Engineering graduates recognised for excellence in geotechnical engineering (/university/colleges/eps/news/schools/Civil-Engineering-graduates-recognised-for-excellence-in-geotechnical-engineering-.aspx)

Two graduates from the School of Civil Engineering recently received the high accolade of being shortlisted for the Ground Engineering's Young Geotechnical Engineer award 2014. Janvi Shah was announced as the winner and Chris Shaw was highly commended at a prestigious awards ceremony, which took place in May.

24/06/2014

Advanced materials research recognised at international conference (/university/colleges/eps/news/schools/Advanced-materials-research-recognised-at-International-conference.aspx)

James MacDonald, PhD student in the Advanced Materials and Processing lab, School of Metallurgy and Materials has won the Best Poster Prize at the International Conference on Hot Isostatic Pressing Technology in Stockholm, Sweden, attended by over 170 guests from 21 countries.

24/06/2014

Making Mini Big Bangs at the Large Hadron Collider (/university/colleges/eps/news/college/2014/Making-Mini-Big-Bangs-at-the-Large-Hadron-Collider.aspx)

Much has been made of the discovery of the Higgs boson – the elementary particle pivotal to the Standard Model of physics – and rightly so. Yet the so-called 'God particle', hypothesised for so long and finally confirmed in 2012, is responsible for only one per cent of the mass of the visible universe. The other 99 per cent is due to the Strong Force.Professor David Evans, School of Physics and Astronomy, talks about his work at the Large Hadron Collider.

24/06/2014

Pepper the emotional robot may just make you angry (/university/colleges/eps/news/college/2014/emotional-robot.aspx)

Dr Nick Hawes writes for The Conversation.

24/06/2014

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