

News and events

Events

[The School has an active seminar series \(/schools/eece/news/seminars.aspx\)](/schools/eece/news/seminars.aspx)

Selected news

[Atom Feed \(http://www.Birmingham.ac.uk/eece/news/atomfeed.aspx\)](#)

[The Warship 'Anne' Returns to Her Final Resting Place \(/schools/eece/news/warship-anne-returns-final-resting-place.aspx\)](/schools/eece/news/warship-anne-returns-final-resting-place.aspx)



In an attempt to bring the 17th century to the 21st century, and building on a quadcopter site survey conducted in March 2014, a small group of researchers from the University of Birmingham have developed a highly detailed Virtual Reality model of the warship 'Anne', in collaboration with the Shipwreck Museum in Hastings and using historical book references and paintings. The University's Human Interface Technologies Team specialises in advanced simulation technologies for defence, healthcare and heritage applications and their aim on this occasion has been to stage what is believed to be the world-first "resurrection" of an historic vessel using Augmented Reality techniques, viewed from an unmanned drone in flight.

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

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

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

[EECE students' success at The IET Midland Power Group competition \(/schools/eece/news/EECE-students-IET-competition.aspx\)](/schools/eece/news/EECE-students-IET-competition.aspx)

Five EECE students collected awards at Midlands Power Group (a specialist section of the IET) annual Prize Award Evening at Coventry University.

[A New Command Space Design Tool for the Royal Navy \(/schools/eece/news/command-space-design-tool-Royal-Navy.aspx\)](/schools/eece/news/command-space-design-tool-Royal-Navy.aspx)

HIT Team researchers have developed a novel interactive command space planning tool using games-based simulation techniques, enabling future Royal Navy (RN) multi-role vessel designers to explore a variety of command space layout concepts prior to finalising a specific solution.

[US Ambassador meets EECE students during visit to UoB \(/schools/eece/news/US-ambassador-visit.aspx\)](/schools/eece/news/US-ambassador-visit.aspx)



In February, as part of a visit to the city of Birmingham, Matthew W. Barzun, Ambassador of the United States of America to the United Kingdom of Great Britain and Northern Ireland, visited the University and took some time to meet with two EECE students to find out more about their participation in outreach work.

[EECE Students' First Submersible Dive Voted a Complete Success \(/schools/eece/news/submersible-dive-success.aspx\)](/schools/eece/news/submersible-dive-success.aspx)

Final Year project Students Oli McAfee, Tom Milton and Adam Clough have successfully deployed their remotely operated submersible vehicle.

[21st century technology used to survey historic 17th century remains of ship \(/schools/eece/news/17th-century-ship.aspx\)](/schools/eece/news/17th-century-ship.aspx)

The school supplied a state-of-the-art quadcopter to survey the remains of the 324-year-old warship Anne.

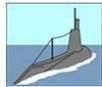
[Scholarships in Master of Research in Railway Systems Integration \(http://www.birmingham.ac.uk/schools/civil-engineering/news/scholarships-mres-railway-systems.aspx\)](http://www.birmingham.ac.uk/schools/civil-engineering/news/scholarships-mres-railway-systems.aspx)

£6000 Scholarships available in Master of Research in Railway Systems Integration

[Peer Assisted Study Sessions awards celebration \(/schools/eece/news/pass-awards.aspx\)](/schools/eece/news/pass-awards.aspx)

Congratulations to Mr Yousef Amar a 4th year Computer Systems Engineering with Business Management student within the School for being awarded "PASS Leader of the Year".

[A Virtual Tribute to the Crew of Her Majesty's Submarine A7 \(/schools/eece/news/virtual-tribute-crew-of-submarine-A7.aspx\)](/schools/eece/news/virtual-tribute-crew-of-submarine-A7.aspx)



The University of Birmingham's HIT Team has been invited to take part in a unique maritime heritage project, part of which involves the virtual recreation of one of Britain's earliest submarines – a vessel and its crew that, sadly, met an untimely end 100 years ago off the Cornish coast.

[Wearable tech sees all, so choose what you want to share. \(/schools/eece/news/wearable-tech.aspx\)](/schools/eece/news/wearable-tech.aspx)

Professor Chris Baber contributes to The Conversation.

[FIRST LEGO League competition \(/schools/eece/news/FIRST-LEGO-League-competition.aspx\)](/schools/eece/news/FIRST-LEGO-League-competition.aspx)

How do we protect ourselves from natural disasters? How do we rebuild communities struck by natural disasters? These are the subjects of the 2013/2014 Nature's Fury challenge set for 9 to 16 year olds by the FIRST LEGO League.

[Early successes in EECE student telerobotics projects \(/schools/eece/news/student-telerobotics-projects.aspx\)](/schools/eece/news/student-telerobotics-projects.aspx)

November and December saw a number of successful conclusions to early project research and teaching outcomes for undergraduate and postgraduate students alike. Focusing on the topic of telepresence or telerobotics, the achievements range from the development of a new, very low-cost robot arm and hand to innovative designs for hospital robots!

[The National Museum of the Royal Navy and the University of Birmingham announce new academic partnership \(/schools/eece/news/navy-museum-partnership.aspx\)](/schools/eece/news/navy-museum-partnership.aspx)



The National Museum of the Royal Navy (NMRN) and the University of Birmingham's School of Electronic, Electrical and Computer Engineering announce a new academic partnership to exploit and develop Virtual Reality technologies to support projects in naval heritage, both past and present. The partnership will highlight the work of the University's Human Interface Technologies Team and will initially focus on one of the world's iconic ships, HMS Caroline, the last floating survivor of the Battle of Jutland in World War One.

[EECE Hexacopter Battles the Cornish Weather \(/schools/eece/news/eece-hexacopter-battles-cornish-weather.aspx\)](/schools/eece/news/eece-hexacopter-battles-cornish-weather.aspx)



The weather almost scuppered the latest HIT Team hexacopter flight trial over the gun emplacements of the Fort installations of Whitsand Bay in south-east Cornwall. With intermittent heavy showers and predicted winds averaging 16 mph, not to mention gusts of up to 31mph+, the prospect of launching and recovering this fragile craft looked very bleak indeed. Nevertheless, just as the Team was about to abort the mission, a brief window in the weather permitted the execution of two very "interesting" flights...

[BAE Systems Award Exciting New Research Contract to EECE's HIT Team \(/schools/eece/news/bae-systems-research-contract-hit-team.aspx\)](/schools/eece/news/bae-systems-research-contract-hit-team.aspx)



EECE's Human Interface Technologies (HIT) Team is one of only three UK academic organisations to be selected to take part in a challenging 2-year research project instigated by BAE Systems. The EECE researchers will be addressing Human Factors issues of advanced interactive technologies and interaction concepts for Future Mission Systems. The Team will be collaborating with other researchers from the University of Liverpool and the Science & Technology Facilities Council at Daresbury.

[1960s Subsea Pioneer to work with EECE's HIT Team \(/schools/eece/news/1960s-subsea-pioneer-to-work-with-eece-hit-team.aspx\)](/schools/eece/news/1960s-subsea-pioneer-to-work-with-eece-hit-team.aspx)



Quietly rusting away 12 metres down on the seabed of Plymouth Sound, just a few yards away from the Breakwater Fort, are the remains of a cylindrical structure attached to steel legs and a large rectangular steel base. This is the wreck of the GLAUCUS, a unique and largely forgotten undersea habitat experiment from the mid-1960s. Colin Irwin, the designer of the GLAUCUS and one of the two pioneering divers who took part in the 1965 mission, has been working closely with the HIT Team for some months, providing the researchers with images and drawings of the habitat.

[Railway Engineering courses on track for 2014 \(/schools/eece/news/railway-engineering-courses.aspx\)](/schools/eece/news/railway-engineering-courses.aspx)

[State cash for gaming? I'll stick to Kickstarter, thanks \(http://theconversation.com/state-cash-for-gaming-ill-stick-to-kickstarter-thanks-17857\)](http://theconversation.com/state-cash-for-gaming-ill-stick-to-kickstarter-thanks-17857)

The UK government's Technology Strategy Board has announced that it's putting its weight behind the creative media sector, this time by way of a competition designed to encourage digital innovation in the games sector. Professor Bob Stone joins the conversation.

[High-tech over Burrator: a report by Professor Bob Stone \(/schools/eece/news/high-tech-over-burrator.aspx\)](/schools/eece/news/high-tech-over-burrator.aspx)

With growing support of local residents, Professor Bob Stone's team is further exploiting the extensive 3D model of Burrator they have developed to pinpoint important heritage sites, with the aim of bringing those sites "back to life" over the coming years. With the periods of excellent weather evident in the southwest this summer, it seemed like an ideal time to return to the area to continue some of the ongoing survey work and to test out one or two new technologies.

[Virtual world to help relieve patients' pain \(/schools/eece/news/Virtual-world-to-help-relieve-patients-pain.aspx\)](/schools/eece/news/Virtual-world-to-help-relieve-patients-pain.aspx)

Researchers in Birmingham are hoping to use the hi-tech world of virtual reality in a bid to relieve the pain of hospital patients.

[Sir Frederic Bartlett medal awarded to Professor Chris Baber \(/schools/eece/news/bartlett-medal.aspx\)](/schools/eece/news/bartlett-medal.aspx)

Professor Chris Baber, Head of School of EECE, was awarded the Sir Frederic Bartlett medal by the Institute of Ergonomics and Human Factors (IEHF) in April of this year.

[Dr Peter Gardner elected to become a Fellow of the Institution of Engineering \(/schools/eece/news/gardner-IET-fellow.aspx\)](/schools/eece/news/gardner-IET-fellow.aspx)

Dr Peter Gardner, Reader in Microwave Engineering in the School of EECE, has been elected to the status of Fellow of the Institution of Engineering and Technology (FIET), in recognition of sustained achievements within the profession.

[Dr Edd Stewart wins £105,560 grant \(/schools/eece/news/stewart-grant.aspx\)](/schools/eece/news/stewart-grant.aspx)

Dr Edd Stewart has won £105,560 from the Hitachi Europe Limited for the project, Failure detection technology of railway.

[Project Open Day - a showcase of students work \(/schools/eece/news/project-open-day-2013.aspx\)](/schools/eece/news/project-open-day-2013.aspx)

On Thursday 25th April the School of Electronic, Electrical and Computer Engineering held its annual Project Open Day which had nearly 50 visitors from industry looking at the work our students are doing.

[Sunday Times article - touchy-feely robot to teach in school \(/schools/eece/news/touchy-feely-robot.aspx\)](/schools/eece/news/touchy-feely-robot.aspx)

The Sunday Times published an article featuring Dr Ginevra Castellano and her work with robots for teaching children. You can read the article on their website at http://www.thesundaytimes.co.uk/sto/news/uk_news/Education/article1215624.ece

[Dr Sampson Hu wins Enterprising Birmingham Innovation competition \(/schools/eece/news/enterprising-birmingham.aspx\)](/schools/eece/news/enterprising-birmingham.aspx)

Dr Sampson Hu has been awarded £10,000 at this year's Enterprising Birmingham Innovation Competition for his work on a unique compact antenna design which has a very low production cost.

[EECE awarded silver and gold for Green Impact! \(/schools/eece/news/green-impact.aspx\)](/schools/eece/news/green-impact.aspx)

The EECE Green Impact Team were this week awarded with a silver plaque for the whole school environmental effort and a fantastic gold award for its laboratory entry!

[Augmented Reality trials for unmanned air platforms \(/schools/eece/news/ar-trials.aspx\)](/schools/eece/news/ar-trials.aspx)

BAE Systems' Typhoon Chief Test Pilot Mark Bowman takes part in a unique experiment to establish whether or not commercial off-the-shelf Augmented Reality (AR) techniques can be used to support the development of future operator interfaces for unmanned air platforms.

[New realities enhance historical and medical studies \(/schools/eece/news/new-realities.aspx\)](/schools/eece/news/new-realities.aspx)

Staff and students from the School of EECE conducted another investigation of field-based Augmented Reality (AR) last month when they attempted to recreate the experience of a World War II Spitfire preparing for taxiing within the remains of a dispersal pen at the long-abandoned RAF airfield of Harrowbeer near Yelverton.

[Games-based simulation in post-op recovery and rehabilitation \(/schools/eece/news/games-simulation-rehabilitation.aspx\)](/schools/eece/news/games-simulation-rehabilitation.aspx)

Professor Bob Stone, School of EECE, has been working with Intensive Care consultants Professor Julian Bion (also Dean of the UK Faculty of Intensive Care Medicine) and Dr Tom Clutton-Brock, (Head of the Department of Anaesthesia & Intensive Care), and together with Dr Charlotte Small (ST5 Anaesthetics, studying for her MD and supervised by Julian and Bob), they are researching the potential for using games-based simulation in post-operative recovery and rehabilitation support.

[EECE Research news - Award for Professor Zhang \(/schools/eece/news/zhang-award.aspx\)](/schools/eece/news/zhang-award.aspx)

Congratulations to Professor Xiao-Ping Zhang who is part of a consortium which were awarded £270,556 from the Engineering & Physical Science Research Council.

[EECE at the IET project evening \(/schools/eece/news/EECE-IET-project-evening.aspx\)](/schools/eece/news/EECE-IET-project-evening.aspx)

EECE students collect awards at The Institution of Engineering and Technology's University Project Evening 2013.

[EECE Research news: Dr E Tarte awarded £86,35 grant \(/schools/eece/news/tarte-grant.aspx\)](/schools/eece/news/tarte-grant.aspx)

Dr E Tarte won £86,354 from the Defence Science and Technology Laboratory

[The HIT Team's star recruit \(/schools/eece/news/star-recruit.aspx\)](/schools/eece/news/star-recruit.aspx)

Lt Roxanne Heaton's day job is Synthetic Training Lead in a Royal Navy Technology Based Training Unit. In layman's terms, Roxanne provides advice and consultancy on emerging synthetic technologies across the Royal Navy (including the Royal Marines.) This means acting as a principal consultant for the research and development of technology-based training solutions in order to meet the requirements of the versatile maritime force which is the Royal Navy.

[Tweet for EECE \(/schools/eece/news/twitter.aspx\)](/schools/eece/news/twitter.aspx)

The School of EECE has launched a Twitter feed.

[Smooth sailing for Virtual Wembury fundraising event \(/schools/eece/news/virtual-wembury.aspx\)](/schools/eece/news/virtual-wembury.aspx)

An opportunity to showcase some of the Human Interface Technology Team's summer achievements in virtual heritage, healthcare simulation and augmented reality (AR) came about in early December, when the Village Hall at Wembury in South Devon hosted the team at a special Virtual Wembury evening event for the local community.

[Dr Ginevra Castellano wins £344,786 grant \(/schools/eece/news/castellano-grant.aspx\)](/schools/eece/news/castellano-grant.aspx)

Dr G Castellano won £344,786 from the Commission of the European Communities for the project EU FP7 EMOTE - EMbodied-perceptive Tutors for Empathy-based Learning

[Silica cyclists \(/schools/eece/news/silica.aspx\)](/schools/eece/news/silica.aspx)

On the 22nd May a small team of cyclists visited the School on their journey around UK Universities as a way of raising the profile of Electronic and Electrical Engineering.

[Centrica Sponsorship Prize for STEM students \(/schools/eece/news/centrica-prize-stem-students.aspx\)](/schools/eece/news/centrica-prize-stem-students.aspx)

Two students from EPS have been awarded a £3,000 sponsorship prize from Centrica plc. The company is keen to promote and support STEM based subjects at Universities across the country.



[IME Railway Challenge \(/schools/eece/news/ime-railway-challenge.aspx\)](/schools/eece/news/ime-railway-challenge.aspx)

News item about the Institution of Mechanical Engineers Railway Challenge.

[International Hydrail Conference \(/schools/eece/news/international-hydrail-conference.aspx\)](/schools/eece/news/international-hydrail-conference.aspx)

News item about the International Hydrail conference, held at the University of Birmingham from July 3-4 2012.

[EECE at the Big Bang! \(/schools/eece/news/eece-at-big-bang.aspx\)](/schools/eece/news/eece-at-big-bang.aspx)

Scientists from the School of Electrical, Electronic and Computer Engineering (EECE) are taking part in the Big Bang UK Young Scientists and Engineers' Fair at the NEC from March 15 - 17.

[Birmingham academic explores developments in voice recognition technology \(/schools/eece/news/Birmingham-academic-explores-developments-in-voice-recognition-technology.aspx\)](/schools/eece/news/Birmingham-academic-explores-developments-in-voice-recognition-technology.aspx)

Professor Martin Russell explores developments in voice recognition technology

[Bob Stone leads team to Chairman's Silver Award \(/schools/eece/news/chairmans-silver.aspx\)](/schools/eece/news/chairmans-silver.aspx)

A team of researchers led by Robert Stone has won the BAE Systems Chairman's Silver Award. The award relates to research and development excellence in the field of "Gaming for Frontline Safety".



[Engineering Professor honoured twice in four weeks \(/schools/eece/news/stone-awarded.aspx\)](/schools/eece/news/stone-awarded.aspx)

Bob Stone, Professor of Interactive Multimedia Systems within the School of Electronic, Electrical and Computer Engineering has been the recipient of two prestigious awards during the months of April and May.

