INSIDE
University leads pioneering project
Graduations 2014
From the Vice-Chancellor

The University’s 50th anniversary will be a significant milestone in our history and development. Before then we have much to celebrate and much to look forward to. I am delighted to share our successes with you in this edition of News & Views.

The last few months have further demonstrated why we are one of the world’s leading research and technology universities. We are proud to be ranked 49th in the UK for the quality of our research with three-quarters being classed as either world-leading or internationally excellent. We are also delighted to have been chosen to host the British Science Festival in 2015. The Festival will enable us to showcase our cutting-edge research, and this edition highlights some great examples, including our work on cancer, dementia and digital pathology, and our contribution to shedding a fascinating new light on Stonehenge.

Our great research, contributing significantly to real-world needs, is among the reasons that we have been selected as a UK leader for digital health, setting up a pioneering digital health zone to promote improved healthcare and to enhance the economy via new products.

To mark our 50th anniversary, we are delighted to welcome the first tranche of Anniversary Chairs. All outstanding academics who have achieved distinction in their fields, they will be responsible for advancing their subjects nationally and internationally and contributing to driving forward the University as an international centre of excellence.

Professor Brian Cantor, Vice-Chancellor

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FRONT COVER: Bradford leads £12m digital health innovation, see page 6.
PHOTOS LEFT: Graduation December 2014, see pages 16-19.
The British Science Festival comes to Bradford in 2015

One of Europe’s biggest science festivals will return to the University in September 2015, bringing together hundreds of scientists and thousands of visitors for a week of world-leading scientific innovation and discussion.

The British Science Festival is one of Europe’s biggest science festivals and brings together over 350 leading scientists for a week of ground-breaking science, technology and innovation. The week-long festival showcases the latest scientific breakthroughs and discoveries from across the globe. Tens of thousands of visitors will attend the talks, discussions, workshops and evening events.

The city’s own annual science festival will follow the national event, making for a very special and high-profile celebration of science with the eyes of the scientific world on Bradford.

Vice-Chancellor of the University, Professor Brian Cantor, said: “We are thrilled that the British Science Festival will return to Bradford in 2015. The University prides itself on its high-quality research and knowledge transfer activity and we look forward to hosting the Festival next year alongside the ever-popular Bradford Science Festival.”

British Science Association Chief Executive, Imran Khan, said: “We are delighted to be returning to Bradford for the 2015 British Science Festival. The University of Bradford hosted an excellent festival in 2011 and enjoys a brilliant legacy, with the city now hosting its own annual science event. The British Science Festival provides a fantastic opportunity to celebrate the role and importance of science and innovation in our culture and society, and we look forward to returning to Bradford for another excellent week of science.”

The national festival is traditionally a springboard to announce the results of major research projects. One of the most high-profile came from the 2011 Bradford event when the University announced the development of a new cancer treatment, the Autumn crocus ‘smart bomb’, directly targeting solid tumours.

The Festival has been the stage for many iconic moments in history - such as the famous debate on Darwin’s controversial theory of evolution between Thomas Huxley and the Bishop of Oxford in 1860. It also saw the first use of the word ‘scientist’, in 1834.

The origins of the Festival, previously known as the annual meeting, can be traced back to York, in 1831. Since then it has travelled the globe, including visits to Montreal and Australia. Bradford first hosted the event in 1873, and 2015 will be the fourth time Bradford has hosted the Festival.

The headline sponsor for the British Science Festival is Siemens - the four-year partnership between Siemens and the Festival started in Birmingham in 2014 and will continue at Bradford.

For more information visit www.britishscienceassociation.org
The Festival has been the stage for many iconic moments in history - such as the famous debate on Darwin’s controversial theory of evolution between Thomas Huxley and the Bishop of Oxford in 1860. It also saw the first use of the word ‘scientist’, in 1834.
Bradford leads £12 million digital health innovation

The University is leading a partnership to develop a £12m digital health zone that could enhance the quality of life for millions of people and is likely to create more than 2,000 jobs in the next ten years.

And in a further announcement, the Digital Catapult, a national centre set up to rapidly advance the UK’s best digital ideas, appointed a Local Enterprise Partnership (LEP)-led consortium in Yorkshire to establish one of three local Digital Catapult Centres in the city.

A partnership bid led by the University won £3.8m from the Department for Business, Innovation and Skills (BIS) to establish a University Enterprise Zone in digital health innovation in the city, one of only four bids to be selected for funding across the UK.

The successful bid brings together the University, BT, the City of Bradford Metropolitan District Council, and NHS organisations including the three Bradford NHS Trusts - Airedale, Bradford Teaching Hospitals and Bradford District Care Trust - to cement the Leeds City Region as a UK hotbed of digital health innovation. Additional funding of some £8.3m from the partners brings the total funding for the initiative to over £12m.

For BIS, the aim of University Enterprise Zones is to encourage universities to strengthen their roles as strategic partners in local economic growth through leadership in innovation and skills. The Zones, which cover a range of industry sectors, are intended to develop incubator and ‘grow-on’ space for knowledge-intensive businesses in locations that encourage them to interact and innovate with universities in a sustainable way. BIS invited eight City Regions to compete for funding through the pilot programme.

The Bradford Council-owned Design Exchange building in the Little Germany area will be upgraded to create the Digital Exchange, a business incubator to bring small and young companies together in an open innovation environment. Scheduled to open in early 2015, the Digital Exchange will house companies that focus on information and communications technology, with onsite practical support available from BT researchers, university academics and the Council’s business support team.

Nearby, a new £7m Health and Wellbeing Centre will be built on the University’s city campus. This will be used both as a community amenity - housing practising health professionals such as doctors, optometrists and dispensing pharmacists - and for tenant organisations to test out healthcare delivery innovations. Teams of researchers and students will work with the patients, healthcare professionals and the companies at the Digital Exchange to trial and monitor new devices, services and ways of working to see which are the most effective and affordable.

The University’s Vice-Chancellor, Professor Brian Cantor, welcomed the news: “As a world-leading technology university, Bradford is ideally suited to this initiative. The Digital Health Zone will enable companies developing new healthcare products and services to connect with Bradford’s outstanding capabilities in healthcare systems research, practice-based medicine and information and communications technology.”

Bradford’s academic lead, Mohammed A Mohammed, Professor of Healthcare Quality and Effectiveness, said: “Ageing society, increasing chronic diseases, smaller budgets and how to deliver personalised healthcare are global challenges. We see this initiative as a major opportunity for the UK to lead on communications-enabled digital healthcare. Digital healthcare enables self-care, remote monitoring of patients, personalised care, remote access to expert clinical advice and the ability to share clinical networks across geographies. The innovations developed here could enhance the quality of life for millions of people and we can ensure that these are safe, ethical and cost-effective.”

Due to open in March 2015, the Digital Catapult Centre Yorkshire will be located in the Design Exchange building in the Little Germany area of Bradford, and will provide a physical space for start-ups and small businesses in the creative and technology sectors to develop and showcase their digital ideas and products. They will also be able to use it to
connect and collaborate with larger businesses, universities and public sector organisations. With a united aim of generating thousands of new jobs, driving innovation at a local level and creating millions in linked investment and future funding by 2025, the three local centres will support the London King’s Cross Digital Catapult Centre which was opened by Ed Vaizey MP, Minister for the Digital Economy.

The Digital Catapult Centre Yorkshire will host a high bandwidth connection linking it with two additional centres planned for Brighton and Sunderland, and also with the Digital Catapult Centre London. The Yorkshire-based consortium, proposed by Leeds City Region LEP and York, North Yorkshire and East Riding LEP, was selected following an open call for partners in July 2014.

It was chosen from 17 LEP and local consortia bids involving more than 50 business, local authority, SME and university partners.

The project will be led by the University of Bradford with support from experts from across other Yorkshire universities. The new Centre will be part of Bradford’s Digital Health Enterprise Zone, one of four University Enterprise Zones under construction nationally. The consortium will have a specific focus on digital health innovation and will bring together start-ups, small and large businesses and the academic community to develop new healthcare products and services.

Other partners include the University of Leeds, University of York, BT, Science City York, Leeds Beckett University, City of Bradford Metropolitan District Council and University of Huddersfield.

Activity will run until March 2018, and the consortium will also be tasked with

- Initiating and collaborating with the Digital Catapult on a range of innovative projects, designed to be accessible to start-up and SME businesses to use and learn from.
- Creating links between universities and the local business community that enable university-led research and development in the Digital Catapult challenge areas to be converted into commercial market opportunities which can be prototyped and piloted by start-ups and SMEs.
- Helping to develop the higher-level skills needed to realise and exploit new data and media capabilities.

For more information visit www.bradford.ac.uk/dhez/
The University’s Professor of Diversity, Uduak Archibong, has been listed in the New Year’s Honours list 2015. Her contributions to higher education and equality during her career were officially recognised when she was made a Member of the Order of the British Empire.

When Professor Archibong first joined the University, only 1 per cent of nursing students were from Black and Minority Ethnic backgrounds. Working with local healthcare providers and other higher education institutions she soon raised this to over 30 per cent, ensuring that university students more accurately reflected the community from which they were drawn and would ultimately serve.

This is just one example of Professor Archibong’s commitment to equality and diversity. It is a commitment that now sees her lead an international team of researchers on multiple large-scale research projects on representational diversity and inclusive workplaces. These projects include GENOVATE, a European Union-funded 3.2 million Euro project which seeks to ensure equal opportunities for women and men by encouraging a more gender-competent management in research, innovation and scientific decision-making bodies, with a particular focus on universities.

Her success has seen her being called upon throughout the NHS and higher education and she has also contributed extensively to the development of healthcare in developing countries, including Pakistan and numerous countries in Africa.

She is a Visiting Professor at the University of Kwa-Zulu Natal in South Africa, Visiting Professor at the Central University College in Ghana, Visiting Professor at the National Open University of Nigeria, Fellow of the West African College of Nursing and Fellow of the Royal College of Nursing.

Speaking of her honour, Professor Archibong said: “I am thrilled to have received an MBE and be recognised for my work. It is a privilege to work in an institution which is committed to promoting an inclusive workplace and study environment.”

Vice-Chancellor, Professor Brian Cantor, said: “I am enormously pleased to hear that Professor Archibong has received this honour. As the University of Bradford approaches its 50th year, this honour further demonstrates that Bradford is fiercely committed to making change in society and always has been.”

Professor Archibong, whose career began as a general and public health nurse and midwife, was born and raised in Nigeria. While studying she was named best nurse and then best midwife by the University of Calabar Teaching Hospital. She also gained the Outstanding Young Person award for her contribution to healthcare development in Nigeria in 1990.
Bradford researchers help uncover hidden secrets of Stonehenge

Bradford archaeologists are part of an international research team that has uncovered a host of previously unknown archaeological monuments around Stonehenge in a project that will transform our knowledge of this iconic site.

Results from the Stonehenge Hidden Landscapes Project were unveiled at the 2014 British Science Festival in Birmingham. They show how, using new remote sensing techniques and geophysical surveys, the team uncovered 17 previously unknown ritual monuments around the site, along with dozens of burial mounds - all of which have been mapped in minute detail.

Researchers at the University of Bradford are partners in the project, which is led by the University of Birmingham and the Ludwig Boltzmann Institute for Archaeological Prospection and Virtual Archaeology, in Austria.

Alongside previously unknown features, the team has also uncovered new information on other monuments, including the Durrington Walls 'super henge', a vast ritual monument of more than 1.5 kilometres in circumference which is situated a short distance from Stonehenge.

Hundreds of burial mounds and settlements from the Bronze Age, Iron Age and Roman period have also been surveyed at a level of detail never previously seen. Taken together, the results show how new technology is reshaping how archaeologists understand the landscape of Stonehenge and its development over a period of more than 11,000 years.

Dr Chris Gaffney, Head of Archaeological Sciences at Bradford, said: "The Stonehenge Hidden Landscapes project is the pinnacle of a recent trend to apply new and rapid technologies to collect accurate non-invasive data for mapping our buried heritage.

"In many respects, the Stonehenge project goes far beyond any other project - both in the complexity of the data sets generated but also in the immense impact it will have on our understanding of Britain’s greatest and best-known archaeological site."

He added: "Archaeology studies the past, but, in the application of remote sensing at this scale, the Stonehenge Hidden Landscapes Project demonstrates how future researchers will investigate our archaeological heritage.

"Increasingly, the investigation and understanding of iconic sites around the globe will be enhanced by rapidly mapping the larger-scale environment that they have come to dominate."

British project leader and Chris’s brother Vincent Gaffney, now Professor of Landscape Archaeology here at Bradford, said: "This project has revealed that the area around Stonehenge is teeming with previously unseen archaeology and that the application of new technology can transform how archaeologists and the wider public understand one of the best-studied landscapes on Earth.

"New monuments have been revealed, as well as new types of monument that have previously never been seen by archaeologists. All of this information has been placed within a single digital map, which will guide how Stonehenge and its landscape are studied in the future.

"Stonehenge may never be the same again."

IMAGE RIGHT: Remote sensing techniques and geophysical surveys have revealed previously unknown monuments at Stonehenge
Bradford leaps into UK top 50 for research excellence

The University has been ranked 49th in the UK for the quality of its research with three-quarters being classed as either world-leading or internationally excellent.

The results, published in the Research Excellence Framework (REF), assess the quality and impact of university research and see the University significantly improve in overall ranking from 62 to 49 in the UK.

The REF replaces the previous Research Assessment Exercise, last conducted in 2008. It places greater emphasis on the impact of research, considered by the REF to be making a major contribution to economic prosperity, national wellbeing and the expansion and dissemination of knowledge.

The REF particularly measures the output – the number and quality of publications - of a university’s research, and the real impact of research based on case studies submitted.

The results placed all our individual subject areas in the top 50, with Civil Engineering and Social Work in the top ten for output, and Archaeology and Politics and International Studies in the top ten for impact.

Nearly 40% of Bradford’s impact case studies have been ranked world-leading (4*). With 90% ranked as either world-leading or internationally excellent (3*), the University is 43rd in the country for the impact of its research. The University is also 43rd for the quality of research output.

Almost three-quarters (74%) of its research overall, for both its impact and quality, was rated as world-leading (4*) or internationally excellent (3*). A further 22% of the University’s research was internationally recognised, meaning that overall 96% was ranked as internationally recognised through to world-leading.

The results for Allied Health, Management and Archaeological Science were particularly good. In Allied Health the overall assessment of research placed 92% of it in the 4* and 3* categories, and 100% of the impact and environment in 4* and 3*. Impact was strong in Archaeological Science where 100% was classed as 4* and 3*, 60% in the 4* category. Politics and International Studies also scored 100% for impact across 4* and 3*. Management did particularly well in impact with 87% in the 4* and 3* categories.

Vice-Chancellor Professor Brian Cantor said: “We pride ourselves on the high quality of our research and knowledge transfer activity. These results underline that excellence and demonstrate Bradford’s continued development as a world-leading, research-intensive university that brings real solutions to issues affecting society and communities worldwide.

“Bradford is fiercely committed to making a difference - producing research that impacts on real-world problems and equipping our graduates to go into the world able to make a significant contribution to society. We are proud of that commitment and delighted to see the excellence and impact of our research recognised.”
New partnership strengthens Bradford and Penang relationship

The University has taken a major step forward in developing its presence in Malaysia by signing a collaboration agreement with an agency of the Penang State Government. The memorandum of understanding (MoU) signed by Vice-Chancellor Professor Brian Cantor and State Minister for Religious Affairs, Domestic Trade & Consumer Affairs, The Honourable Dato Abdul Malik Kassim, was witnessed by Penang’s Deputy Chief Minister, Professor Dr Palanisamy Ramasamy.

This new relationship with PIHH Development SDN BHD, an agency of the Penang State Government, is specifically designed to promote the internationalisation of higher education and cultural cooperation in Penang, Malaysia, and the UK. The MoU seeks to develop and strengthen the bonds between academic communities in Penang and Bradford, and in the process also contribute to generating understanding, cooperation and communication between the two cultures.

Highlighted as one of the reasons behind the new relationship was the University’s strong business offering. This includes its business school which has once again been named amongst the top in the world, with its Distance-Learning MBA and its prestigious Triple Crown accreditation. Professor Cantor and the Deputy Chief Minister also discussed the University’s Peace Studies department and its renowned reputation across the world, Bradford’s strong Research and Knowledge Transfer Centres, including leading on polymer engineering, medical and automotive sectors and the recent announcement of a new Digital Health Zone. This will enable companies developing new healthcare products and services to connect with Bradford’s outstanding capabilities in healthcare systems research, practice-based medicine and information and communications technology.

The signing of the MoU comes after a Penang State Trade Mission to the UK in September as the University seeks to develop its strategic partnerships with leading institutions.

Professor Cantor said: “As one of the world’s leading technology universities, Bradford is at the forefront of researching and developing solutions to the big global issues, including sustainable development and climate change, poverty, ill-health and disease, production and manufacturing, and terrorism and security.

“The University of Bradford is a truly international university, both in terms of its research and teaching and in attracting students from all over the world. Penang and its great institutions are well placed to partner with us as we jointly develop responses to issues that affect us all.”

The agreement sets out areas of collaboration between the two organisations. These will focus on staff development and exchange, student exchange, curriculum development and joint research programmes.
University of Bradford celebrates appointment of 50th Anniversary Chairs

The University is delighted to announce the appointment of a first tranche of ten new Chairs to build on the University’s academic success and mark its 50th anniversary.

The new Chairs, all outstanding academics who have achieved distinction in their fields, will be responsible for advancing their subjects nationally and internationally and contributing to driving forward the University as an international centre of excellence.

The University received its Royal Charter in 1966 and is proud to be one of the world’s leading technology universities. The new Chairs’ role will be to lead the delivery of the University’s strategy of being a world leader in cutting-edge research, knowledge transfer to enhance economic development and, through outstanding teaching, producing graduates who will make a difference to people and society.

In particular, the University, with its elite academics, will bring its strengths to bear on its three key themes - namely advanced healthcare, innovative engineering and manufacturing, and supporting sustainable societies - helping to solve three of the major issues facing the world.

Professor Brian Cantor, Vice-Chancellor of the University, said: “Our 50th anniversary will be a significant milestone in the history and progress of the University. Over the last 50 years we have established a worldwide reputation as a great technology university committed to cutting-edge research that impacts directly on society and people’s lives, and we are looking forward to maintaining and enhancing our contribution to society over the next 50 years.

“We are absolutely delighted to welcome our new Chairs and look forward tremendously to working with them. The University addresses the major issues of the 21st century including sustainable development and climate change, poverty, ill-health and disease, production and manufacturing, and terrorism and security. Our new Anniversary Chairs will enable us to make an even greater contribution in these fields.”
Allan Kellehear, Professor of End of Life Care

Allan Kellehear was formerly Professor of Community Health at Middlesex University, Professor of Palliative Care at La Trobe University in Australia, Professor of Sociology at the University of Bath and Professor in the Department of Community Health & Epidemiology at Dalhousie University in Nova Scotia, Canada.

Ann Cunliffe, Professor of Organizational Studies

From the University of Leeds (Professor of Organization Studies), Ann Cunliffe spent 20 years working with institutions in the USA, holding positions at the University of New Mexico, California State University, and the University of New Hampshire, before returning to the UK. She also holds a Visiting Professorship at Escola de Administração da Fundação Getulio Vargas, Brazil.

Francesco Menotti, Professor of Archaeology

From Basel University (Professor of Archaeology), Francesco Menotti’s main area of research is later European prehistory, with a special emphasis placed upon wetland archaeology and lake-dwelling studies in the Circum-Alpine region (from the Late Neolithic to the early Iron Age).

Jackie Ford, Professor of Leadership

Jackie Ford is from the University of Leeds (Professor of Leadership and Organization) and was Founding Director of the Leeds University Centre for Leadership Studies. Before joining the University of Leeds, she worked as Professor of Leadership and Organization Studies at Bradford University School of Management. Prior to this, she held senior academic appointments at the former Nuffield Institute at Leeds University.

Marian Gheorghe, Professor of Software Engineering and Computational Models

From the University of Sheffield (Reader in the Department of Computer Science), Marian Gheorghe has also held positions at the University of Pisa and the University of Bucharest.

Professor Gheorghe’s research spreads across a broad spectrum of topics including computational models, natural and unconventional computing, applications, software engineering, agent-based systems and synthetic biology.

Martin Priest, Professor of Tribology

Also from the University of Leeds (Professor of Engineering Tribology), Martin Priest has been involved in the education of undergraduate and Master’s engineering students as a faculty member since 1996, holding several leadership roles including Director of Learning and Teaching for Mechanical Engineering. He had been responsible for undergraduate and postgraduate modules and projects in tribology (friction, lubrication and wear of surfaces) and thermofluids.

Mohamed El-Tanani, Professor of Molecular Oncology and Cancer Therapeutics

Mohamed El-Tanani is from Queen’s University Belfast (Professor of Molecular Oncology and Cancer Therapeutics). He has also held appointments at the University of Liverpool, Alexandria University Hospital, Egypt, and King Khalid Hospital, Saudi Arabia.

His research has focused on cancer metastasis, the spread of cancer from the original tumour to distant organs and in particular, through better understanding, the potential to improve cancer patient survival and quality of life.

Richard Morgan, Professor of Molecular Oncology

Joining us from the University of Surrey (Senior Lecturer in Molecular Oncology), Richard Morgan was previously a research scientist at St George’s Hospital Medical School, London, the Hubrecht Laboratory for Developmental Biology, Utrecht, and the National Institute for Medical Research, London.

Professor Morgan is studying the potential of transcription factors as targets and biomarkers in cancer, particularly the HOX / Engrailed family of homeodomain-containing transcription factors.

Vince Gaffney, Professor of Landscape Archaeology

Vince Gaffney received his undergraduate and research degrees from the University of Reading and began his career as Co-Director of the Maddle Farm Project – a landscape survey of the Berkshire Downs. Following a period in museums, he undertook research in Croatia and Slovenia and pioneered the application of geographical information systems (GIS) in archaeology.

Yakun Guo, Professor of Civil and Environmental Engineering

Yakun Guo is from Aberdeen University (Reader and a member of the Environmental Hydraulics Research Group).

He has research interests in fluid flow and in coastal and estuarine hydrodynamics, sediment transport and water quality. His recent research interests are marine renewable energy systems and their influence on the marine environment.

We are absolutely delighted to welcome our new Chairs and look forward tremendously to working with them. The University addresses the major issues of the 21st century including sustainable development and climate change, poverty, ill-health and disease, production and manufacturing, and terrorism and security.

PROFESSOR BRIAN CANTOR, VICE-CHANCELLOR
Honorary Graduates
Graduations July 2014

Alex Brummer
Alex, made a Doctor of the University, studied at the University’s Management Centre before joining The Guardian as a financial correspondent, becoming Financial Editor, Foreign Editor and Associate Editor and claiming awards including Best Foreign Correspondent in the United States. Alex became City Editor of the Daily Mail in 2000 and has won many prizes and awards, including Newspaper Journalist of the Year, Business Journalist of the Year, Commentator of the Year and Financial Journalist of the Year. He said: “The friends I made here at Bradford all those years ago are still my closest friends”.

Dean Royles
After gaining an MSc in Human Resources, Dean has worked in the NHS and human resources in various capacities, including Director of Workforce and Education at NHS North West, Director of HR and Communications at United Lincolnshire Hospitals NHS Trust, and Deputy Director of Workforce for the NHS at the Department of Health. Dean, made a Doctor of the University, was the first HR director at East Midlands Ambulance. He said: “It is a fantastic privilege to get my degree from the University. It has a worldwide reputation and it’s a hugely diverse university.”

Diana Chambers
Graduating from Birmingham University in French and German, she taught in secondary and further education, and was Deputy Head at Nab Wood Grammar School, Bradford, and Head at Skipton Girls’ High School. An education consultant, she was chair of the Diocesan Board of Education, Chair of Governors at Immanuel College, Bradford, and Vice-Chair at Upper Wharfedale School. Diana, made a Doctor of Education, was Pro-Chancellor of the University of Bradford, from 2007 and was Deputy Chair of Council until 2013. She said: “I’m a teacher and education has been my life, so I’m very pleased to be recognised”.

Hannah Cockroft MBE
Hannah, made a Doctor of the University, is a wheelchair athlete. She holds the World and British records for the T34 100m, 200m, 400m and 800m, the Paralympic records for the T34 100m and 200m and is double World Champion and double London 2012 Paralympic gold medallist. Hannah started sports in secondary school and was soon competing for Yorkshire in basketball and wheelchair discus. After being invited to a UK athletics talent day she joined the Great Britain Paralympic Development Team. She said: “I’ve got an MBE and two gold medals, but this is something completely different and it’s a massive honour because it comes from Yorkshire.”
Jacqueline Gerrard
Jacqueline, made a Doctor of the University, started her career in Bradford hospitals, completing her MSc with the University. She has been the Head of Midwifery and Associate Director of Nursing and Midwifery for Calderdale and Huddersfield NHSFT and, in 2008, became the Royal College of Midwives’ Director for England. She heads a global team leading on a midwifery twinning project in Cambodia, Nepal and Uganda and is an ambassador for both the Deaf Nest initiative in England and Saying Goodbye (Mariposa Trust). She said: “I’m absolutely delighted, honoured and extremely proud to receive this honorary degree from the University.”

Professor Jim Al-Khalili OBE
Jim, made a Doctor of Science, graduated with a BSc in Physics at the University of Surrey, before taking a Doctor of Philosophy degree in nuclear reaction theory. Jim was awarded an Advanced Research Fellowship by the Engineering and Physical Sciences Research Council. Professor of Physics at the University of Surrey, Jim is a science broadcaster and has presented TV programmes including Everything and Nothing, Genius of Britain and Light and Dark. Jim was awarded the Royal Society Michael Faraday Prize for science communication. He said: “I feel very privileged, very honoured to be part of the wider University family.”

Mark Fletcher
Mark, made a Doctor of Engineering, served as Honorary Visiting Professor for the University of Bradford in Engineering Design for Sustainable Development. He was Project Director for Bradford City Park, the largest water feature of its kind in the UK. The project has helped local businesses flourish while benefiting the community. The multi-million pound project received The Great Place Award in 2012. He works for Arup as Global Water Business Leader. He said: “It’s the pinnacle of my career. It’s just a huge personal achievement and in many ways it reflects the hard work of a large number of people.”

Orla Guerin MBE
Orla, made a Doctor of the University, qualified as a journalist after graduating from the Dublin Institute of Technology and the College of Commerce in Dublin. She gained a Master’s degree in Film Studies from University College Dublin. While working for RTE, Orla won a Jacob’s Award. She has reported from North America, Europe, the Middle East and South Africa for the BBC. She said: “Bradford is a university that is really making its mark and has huge global ambitions. It’s very nice to be associated with it, and I’m happy to be on Team Bradford.”
**Honorary Graduates**

**Graduations December 2014**

**Dalton Philips**

Made a Doctor of the University, Dalton Philips has been the Chief Executive of UK retailer Morrisons since March 2010. He attended University College Dublin, and has held managerial and executive positions in retail companies around the world. Dalton is a non-executive director at the Department for Business, Innovation and Skills.

Mr Philips said: “It is a huge honour to be recognised by this University. Morrisons and the University of Bradford are prestigious institutions in this great city and it’s great to be here today recognising that. I feel honoured to be receiving this on behalf of so many people at Morrisons.”

**Sir Barrington Windsor Cunliffe CBE**

Made a Doctor of Science, Sir Barrington Windsor Cunliffe CBE is a distinguished archaeologist and academic and is currently Emeritus Professor of European Archaeology at the University of Oxford where he taught from 1972-2008. He has served in various notable positions such as President of the Council for British Archaeology and as a Commissioner of English Heritage.

He said: “It’s an incredible honour because I’ve known Bradford’s archaeology department for the last 40 years and had very close links with Bradford. I’ve had Bradford students and some of my students have come and taught here, so my links have been very close and to be given this honorary degree makes my feeling of belonging much greater. I look forward very much to taking a very close interest in the research that goes on here.”

**Ron Lee**

Ron Lee, made a Doctor of Engineering, has held the position of Director of Powertrain for Jaguar Land Rover since 2013 following 12 years as Group Chief Engineer of Powertrain. He has been instrumental in developing the new collection of low-emission, 4-cylinder petrol and diesel engines which Jaguar Land Rover is currently preparing for their new range. Ron was included in the 2014 Sunday Times Britain’s 500 most influential people.

He said: “I was very surprised to be given the offer and I’m very pleased and very proud to receive this. I have a long association with the University of Bradford so I was veryhonoured. It’s been a very enjoyable day.”
**Sir Keith Pearson**

Sir Keith Pearson has been Chair of Health Education England since June 2012 after 16 years of holding chair positions in the NHS. Prior to the NHS, he held chief executive posts in East and South-East Asia. Sir Keith is also Chair of the Tri-Base British-American Community Relations committee for the MoD and Chair of the GMC UK Revalidation Programme Board, and was Chairman of the National Advisory Group on Health and Criminal Justice.

Made a Doctor of Health, he said: “It means a great deal to me. I spend most of my days working with students taking on degrees in healthcare, and to get close to those people and to be close to a university that has such a big part to play in delivering high-quality education and students into healthcare means a great deal.”

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**Dame Dr Barbara Hakin OBE**

Dame Dr Barbara Hakin OBE has been made a Doctor of Health. She is the National Director responsible for overseeing operational delivery of healthcare in NHS England, seconded from the Department of Health. She qualified in medicine in Leeds in 1975 and then worked as a GP in Bradford for 20 years before holding various chief executive positions within healthcare. Dame Barbara is renowned for her work on the development of clinical commissioning.

She said: “I’m so pleased and so proud to receive a degree from the University of Bradford where I’ve made my life and career. It was so important to me to be honoured in this way, to share the day with all the other graduates and hopefully to be a real part of the University of Bradford going forward.”

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**Professor Bertil Andersson**

Bertil Andersson, a world-renowned plant biologist and President of Nanyang Technological University in Singapore, has been made a Doctor of Science. He is a research adviser to the Swedish government and was Vice-President of the European Research Advisory Board (EURAB) of the European Commission in Brussels from 2004-2009.

He said: “Receiving this award today at a fantastic university like Bradford is a great honour. This is my second time in Bradford and I’m very excited to be here again. It’s also great to be part of the collective honour of all students and proud parents and proud teachers. I’m a parent myself and a couple of years ago I was sitting in the audience as a proud dad.”
Potential ‘universal’ blood test for cancer discovered

University researchers have devised a simple blood test that can be used to diagnose whether people have cancer or not.

The test could prove to be a highly valuable addition to the more traditional investigative procedures for detecting cancer. The test will enable doctors to rule out cancer in patients presenting with certain symptoms, saving time and preventing costly and unnecessary invasive procedures such as colonoscopies and biopsies being carried out. Alternatively, it could be a useful aid for investigating patients who are suspected of having a cancer that is currently hard to diagnose.

Early results have shown the method gives a high degree of accuracy in diagnosing cancer and pre-cancerous conditions from the blood of patients with melanoma, colon cancer and lung cancer. The research is published online in FASEB Journal, the US journal of the Federation of American Societies for Experimental Biology.

The Lymphocyte Genome Sensitivity (LGS) test looks at white blood cells and measures the damage caused to their DNA when subjected to different intensities of ultraviolet light (UVA), which is known to damage DNA. The results of the empirical study show a clear distinction between the damage to the white blood cells from patients with cancer, with pre-cancerous conditions and from healthy patients.

Professor Diana Anderson (pictured), from the University’s Faculty of Life Sciences, led the research. She said: “White blood cells are part of the body’s natural defence system. We know that they are under stress when they are fighting cancer or other diseases, so I wondered whether anything measurable could be seen if we put them under further stress with UVA light. We found that people with cancer have DNA which is more easily damaged by ultraviolet light than other people, so the test shows the sensitivity to damage of all the DNA - the genome - in a cell.”

The study looked at blood samples taken from 208 individuals. Ninety-four healthy individuals were recruited from staff and students at the University and 114 blood samples were collected from patients referred to specialist clinics within Bradford Royal Infirmary prior to diagnosis and treatment. The samples were coded, anonymised, randomised and then exposed to UVA light through five different depths of agar.

The UVA damage was observed in the form of pieces of DNA being pulled in an electric field towards the positive end of the field, causing a comet-like tail. In the LGS test, the longer the tail the more DNA damage, and the measurements correlated to those patients who were ultimately diagnosed with cancer (58), those with pre-cancerous conditions (56) and those who were healthy (94).

“These are early results completed on three different types of cancer and we accept that more research needs to be done, but these results so far are remarkable,” said Professor Anderson. “Whilst the numbers of people we tested are, in epidemiological terms, quite small, in molecular epidemiological terms, the results are powerful. We’ve identified significant differences between the healthy volunteers, suspected cancer patients and confirmed cancer patients of mixed ages at a statistically significant level of P<0.001. This means that the possibility of these results happening by chance is 1 in 1,000. We believe that this confirms the test’s potential as a diagnostic tool.”

A clinical trial is currently under way at Bradford Royal Infirmary. This will investigate the effectiveness of the LGS test in correctly predicting which patients referred by their GPs with suspected colorectal cancer would, or would not, benefit from a colonoscopy - currently the preferred investigation method.

The University has filed patents for the technology and a spin-out company, Oncascan, has been established to commercialise the research. For more information go to www.oncascan.com/
Students share their first university experiences with a ‘Big Move’ video

Four first-year students from the University have shared their own story about leaving home for the first time.

Their story, which they filmed over the summer, documents their thoughts and feelings as it follows them moving from home to student accommodation at the University.

‘The Big Move’ is a video diary of their experience of coming to and starting study at Bradford. This included deciding what to bring with them, leaving their friends and family, meeting their new flatmates and beginning the next stage of their life at Bradford.

The four students (pictured left - right), Zainab Lawal-Owonifari from London, Nicholas Bates from North Yorkshire, Claire McCracken from Northern Ireland and Cassandra Ise from Liverpool, entered a University competition over the summer by sending in a short video diary about how they thought the experience would be for them. The winners were then sent a handheld video camera as a prize and asked to film their experiences.

The result is both a funny and moving account of that first move away from home that the University hopes will help future students as they contemplate starting their University career.

Head of Communications at the University, Emma Bridge, said: “Moving away from home for the first time can be a daunting experience for students. This video gives a first-hand account of what it is like as it happens. “It appeals to both prospective students and their parents and because the content is created by the students themselves it means you get an honest, balanced view of both nerves and excitement.”

See the video at www.bradford.ac.uk/big-move
The report “Down the slippery slope?” coincided with the 12th anniversary of the Moscow theatre siege, where many hostages were ultimately killed by an incapacitating chemical agent (ICA) intended to aid their release. This report highlights specific areas where concerns or misperceptions might arise as to the nature and intended uses of chemical and life-science research. The report also explores how states can ensure that such dual-use research is not used in prohibited chemical weapons development.

The study was produced jointly by the Bradford Non-Lethal Weapons Research Project and the Biochemical Security 2030 Project in Bath. It examines contemporary research in pharmacology, medicinal chemistry and neuroscience, exploring a range of pharmaceutical chemicals potentially applicable to the study or development of ICA weapons.

Professor Malcolm Dando, co-author of the report and Professor of International Security at the University of Bradford, states: “The development and introduction of ICA weapons threatens to create a “slippery slope”. Once introduced there is a danger that such weapons will consequently be used for an increasingly broad range of purposes.

“Our study indicates that dual-use research being conducted in a variety of institutional environments and for a range of (stated or unstated) purposes could potentially be applied to the study or creation of ICA weapons.”

As well as documenting contemporary research by Russian scientists, the report highlights the possession of ICA weapons by the Chinese People’s Liberation Army, their previous use by the Israeli security services, and examines unconfirmed allegations of use in Syria. In addition, the report explores potentially relevant research activities undertaken since 1997 in the Czech Republic, India, Iran, the United Kingdom and the United States.

ICA weapons come under the scope of the Chemical Weapons Convention (CWC) and their use in armed conflict is absolutely prohibited. However there are differing interpretations as to whether, and in what circumstances, such toxic chemicals could be employed for law enforcement purposes.

In 2013, certain States - including the UK and US - formally declared they do not develop or possess ICA weapons but others remain silent. To date this issue has not been satisfactorily addressed by the CWC States Parties as a whole. This new report, published as governments prepare for the forthcoming CWC Conference of States Parties in December, is intended to spotlight this issue. The report calls on States to halt all development, stockpiling and use of ICA weapons until CWC States Parties have collectively determined whether or not such weapons should be permitted in law enforcement.

Dr Michael Crowley, co-author of the report, said that: “Because the possession and utilisation of ICA weapons currently appears to be restricted to a relatively small number of countries, there is still time for the international community to act.

“There is now a window of opportunity for the CWC States Parties to take a precautionary and preventative approach. If the international community does not adequately respond to these challenges, there is a danger that more States may become intrigued by these weapons, with the consequent threat of their proliferation and misuse.”
Pioneering digital pathology research and training facility

The University has announced a partnership with leading healthcare company Philips to develop a digital pathology research and teaching capability, one of the first among UK universities.

The Philips Ultrafast scanner and image management system has been installed in the Faculty of Life Sciences and is part of the developing Digital Health Zone at the University.

The facility, called Bradford Pathology, provides education and training in the design and delivery of diagnostic histopathology – the examination of prepared biopsies or specimens. It will contribute to undergraduate programmes, ensuring Bradford graduates are fully prepared for the technology-rich modern laboratory.

It will also support a newly-developed postgraduate programme (MSc Cellular Pathology Laboratory Practice) that focuses on digital pathology as a diagnostic and international collaboration tool. The programme also makes use of video conferencing to allow clinical case review at international level and enable multidisciplinary team meetings.

The digital pathology facility will support the Faculty’s Simulation Theatre, an innovative learning space that features a human patient simulator and equipment that demonstrates human anatomy and macroscopic pathology. The equipment together will support teaching of virtual histopathology using scanned digital images of pathological specimens.

Dr Samar Betmouni, Director of Clinical Pathology at the University, said: “The University is committed to providing our students with the most advanced education, preparing them for working in the modern lab and developing better understanding of the processes that will speed up the introduction of digital technologies in healthcare.

“Bradford Pathology views this digital implementation as an opportunity to provide students with the practical training necessary to become leaders in their field and to drive successful adoption of digital solutions across healthcare.”

Perry van Rijsingen, CEO of Philips Healthcare Incubator, added: “The move toward digitisation across healthcare is not only happening rapidly, but is a critical step forward in improving care. Within the field of pathology it can mean faster, more confident patient diagnoses. By providing training on digital solutions, Bradford Pathology is empowering the next-generation workforce to support and encourage this transition.”
Research to improve dementia care recruits first care homes

A national study led by the University aimed at improving care for people living with dementia in care homes has successfully recruited its first care homes to take part in the research in Bradford and London.

The study, known as the EPIC trial, will involve around 750 people with dementia living in 50 care homes across West Yorkshire, London and Oxfordshire. It will continue to recruit care homes from these locations over the next 12 months, with homes participating in the research for a further 16 months.

With £2.4m of funding from the National Institute for Health Research, Health Technology Assessment (NIHR HTA) Programme, the research aims to investigate whether Dementia Care Mapping™ (DCM), a technique developed at the University of Bradford, is effective in helping care home staff to deliver better quality dementia care.

The research is being led by the Bradford Dementia Group and co-ordinated by the Clinical Trials Research Unit at the University of Leeds, in collaboration with leading academics from the University of Leeds, King’s College London, Newcastle University and the University of Technology, Sydney, alongside experts from Oxfordshire Health NHS Foundation Trust, Bradford District Care Trust, Bupa and the Alzheimer’s Society.

EPIC Lead Researcher Dr Claire Surr (pictured below left), Reader in Dementia Studies at the University, said: “We are extremely pleased to have recruited our first care homes to the study on schedule. This is an important national study, which will provide us with strong evidence about how best to care for people with dementia in care homes. We are excited to be starting the on-the-ground research with care home sites.”

The Clinical Trials Research Unit’s EPIC lead, Professor Amanda Farrin, said: “I am delighted that the CTRU are involved in such an important trial. This work is an expansion of our existing portfolio of trials in complex interventions and therapies, including other research projects involving older people in hospitals, care homes and the community. We look forward to the challenges ahead, and ultimately seeing the impact this research may have on the care home environment.”

A third of people with dementia live in care homes and, according to the World Health Organisation, a new case of dementia is diagnosed every four seconds. DCM involves staff sitting at the side of the care area and observing patient behaviour, their wellbeing and any positive or negative incidents. This information is analysed and fed back to care staff, allowing them to improve the care they provide.

The research is due to complete in September 2017.
Bradford Crocus Cancer Appeal

The Appeal aims to raise £1m for the University’s Institute of Cancer Therapeutics (ICT) to improve the number of opportunities for the discovery and development of new cancer medicines. The local charitable initiative was launched by the University, Yorkshire Cancer Research (registered charity no. 51689), the Bradford Telegraph & Argus newspaper and the Sovereign Health Care Charitable Trust.

The Bradford City Runs, which took place in October 2014, saw over 1,100 runners pound the streets of Bradford in the half marathon, 10k, 5k and a one-mile run for children. Forty per cent of all entry fees were donated to the Crocus Appeal as the Bradford City Runs’ chosen charity partner for the event. Over 150 runners chose to run especially for the Crocus Appeal, generating further sponsorship, and in total the event has raised in excess of £10,000.

Davide Calogero, Head of Alumni and Development, took part in the half marathon and personally raised £577, finishing an impressive 39th out of 239 runners in one hour 39 minutes. He said: “On behalf of the partners involved in the Appeal I’d like to thank everyone who took part in the race, as well as all the volunteers and supporters who were there on the day. As a participant myself, it was fantastic to see so many people running for the Appeal and wearing purple”.

A team of University sport rehabilitation and physiotherapy students were also on hand to provide runners with a much needed post-run sports massage.

Each year the Alumni and Development office runs a telephone campaign with the aim of staying in touch with Bradford alumni.

Employing a team of 35 student callers to get in touch with graduates gives our students the opportunity to hear first-hand about where our graduates’ degrees have taken them, and also gives our graduates the chance to hear about life at the University now.

We also take the opportunity to seek the support from our community of graduates for the Bradford Crocus Cancer Appeal and have been overwhelmed by the level of generosity shown.

The campaign ran from October to December and raised almost £80,000 which will be redeemed over the next five years.

If you would like to support the Appeal there are many ways to donate. Visit www.crocus.brad.ac.uk for full details or simply text the word ‘crocus’ to 70800 to make a single donation of £5.
Carl Heron, Professor of Archaeological Sciences at the University, was honoured with a Humboldt Research Award. The award is presented to international researchers whose discoveries, theories or insights have had a significant impact on their own discipline and who are expected to continue producing cutting-edge achievements in the future.

Professor Heron was awarded 60,000 Euros, which will fund a research period in Germany. He is working on the transition from hunting and gathering to farming in northern Europe with a particular focus on the evidence from foods cooked and stored in pottery vessels.

He was nominated by Professor Dr. Berit Eriksen, Director of the Centre for Baltic and Scandinavian Archaeology, at the Stiftung Schleswig-Holsteinische Landesmuseen, Schloss Gottorf, Schleswig and Professor Johannes Müller, University of Kiel. Kiel is a leading centre for archaeology and archaeological sciences in Germany with many state-of-the-art facilities including a radiocarbon dating laboratory.

Professor Heron said: “I would like to thank my colleagues in Germany for nominating me. This is a fantastic opportunity to develop my research interests in Europe.

“In the last 20 years, identifying molecular information from archaeological remains has revolutionised the discipline. UK science has been a prime mover in these developments due to the close co-operation between archaeology and the natural sciences. Archaeological Sciences at Bradford has been active in research and teaching modules in molecular archaeology since the early 1990s, and many graduates now hold distinguished academic positions in their own right. Discussing the latest findings with my students over the past 20 years has inspired and motivated me to continue my research.”

Lifetime honour

Professor David Whitaker has been awarded an honorary life membership of the Association of Optometrists (AOP).

Retiring as senior vice-president of the Association, he was presented with the accolade by chief executive Henrietta Alderman and chairman Lyndon Taylor.

Professor Whitaker took up the position of vice-president of the AOP in 2005, an appointment which made him the Association’s first, and only, academic vice-president. Appointed for another term in 2010, he became senior vice-president in 2012.

Commenting on the accolade, Professor Whitaker said: “It’s a great honour for me to receive this award of honorary life membership.

“Having spent a number of years as vice-president of the Association, I have witnessed first-hand just how hard the councillors, the Board and the staff work to protect members’ interests and to promote optometry as a profession. It has been a real privilege to contribute to this.”
New lab leads the way for University of Bradford

Students at Bradford are experiencing cutting-edge learning following the opening of a £1.5m engineering laboratory.

The Multidisciplinary Engineering Lab uses the latest technology and software to combine theory with practical work, reducing the need for separate, theory-based lectures.

The lab, housed in the Faculty of Engineering and Informatics’ Horton Building at the University’s city campus, contains equipment that can be used across the engineering disciplines, including civil, mechanical, medical and chemical, and so represents not only a more practical learning environment but also an efficient use of space.

Open plan with clearly defined areas, the lab allows students to move around with the equipment they’re using and use the space in a totally new way.

The University already has a national reputation for producing highly employable graduates and the lab will further strengthen links with industry. Dr Khalid Hussain, Head of the School of Engineering, said: “The Multidisciplinary Lab provides a much more practical way of teaching, allowing students to be immersed in the practical application of theory, getting a better feel for what a theory represents in reality. The lab is the result of both the University’s aim to be a leader in technology learning and a response to student feedback for more hands-on learning.”

Lord Mayor welcomes international students to Bradford

The University celebrated the arrival of students from across the world at a special Lord Mayor’s reception.

The students had the opportunity to meet the Lord Mayor of Bradford, Councillor Mike Gibbons, at the celebration event at City Hall.

The University has been welcoming international students to its campuses for more than 50 years, and this year has been no exception. With nearly 20 per cent of students at the University being international, Bradford prides itself on being a diverse and inclusive university, welcoming students from all over the world.

Director of International Development, Dr William Mitchell, said: “At Bradford there is a diverse mix of people from different backgrounds, faiths, nationalities and ages. International students continue to bring vibrancy and diversity not only to the University but to the city and significantly contribute to the economic wellbeing of many local businesses.

“This was a great opportunity for the students to be formally welcomed by the Lord Mayor and senior members from the University.”
International business leaders join School’s management board

The University’s School of Management has recruited a wealth of new talent to its international advisory board – including a global banking chief, a leading business specialist and one of the UK’s top business consultants.

Welcoming them, Delroy Beverley, the newly appointed chairman, urged young people and leaders in private, public and voluntary sectors to understand and use the wealth of talent in business schools. He said: “Not enough young people see themselves as future leaders, particularly in a management role. I have been so impressed at the range of organisational issues discussed and addressed at the School and the advisory board. These range from new business models to ensure sustainability and better use of resources, to equality at work, ethical trading and corporate social responsibility strategies. I would like to see this expertise and innovative thinking used by more schools and organisations from every sector to build globally competitive businesses and stronger communities.”

The new appointments will help the School position itself to support the University’s focus on continuing to develop as a leading technology university. Alan Keir is well placed to help the School understand the benefits of technology to business. As CEO of HSBC Bank plc, he oversees the group’s operations in the UK, Continental Europe, Turkey, Bermuda, the Middle East and Africa.

Professor Malcolm McDonald is recognised as one of the top ten business consultants in the UK and works with a wide range of international brands to help them shape and develop their strategies. He is also an Emeritus Professor at Cranfield Business School and a best-selling author.

Cordula Barzantny, Professor of Human Resource Management, focuses on international and intercultural management at Toulouse Business School, one of Bradford’s international partners. Cordula previously worked for Siemens and now works with global corporates.

Delroy Beverley is a director at Incommunities Group Ltd, one of the UK’s largest social housing providers with 22,000 homes, 1,200 staff and turnover of £93 million. He is thought to be the first chairman appointed to a top European business school advisory board to come from an ethnic minority background and a first from the social housing sector.

Dean of the Faculty of Management and Law, Professor Jon Reast, said: “International strength on our board is key to maintaining our world-leading position and understanding first-hand how businesses are responding to current challenges – and the role we can play in supporting them.

“We are delighted that Delroy has taken on the role of chairman and hugely proud to have Alan, Malcolm and Cordula join us. My thanks go to all our board members for their time, insights and energy.”

Healthcare Science degree achieves unique quality stamp

The University has cemented its place as a leader in healthcare science and technology with a unique national stamp of approval.

The University runs the Healthcare Science (Clinical Engineering) BSc that is tailored to scientific and technical careers in healthcare. The National School of Healthcare Science – part of NHS Health Education England – has accredited the degree programme unconditionally. This means that every element of the programme was fully approved for quality with no areas of weakness, a first for such degrees in the UK.

While other universities offer healthcare science degrees, Bradford is the only one offering the four specialisms of medical, radiation, rehabilitation and renal engineering.

Professor Julian Chaudhuri, Dean of the Faculty of Engineering and Informatics, said: “We are thrilled by this result. It is a great testament to our staff who lead the programmes and our partners who support us. This shows the progress we have made and is a real badge of quality that assures the standards of our graduate clinical scientists who go on to work in the NHS.”
Students from the University have created an animated promotional video of City Park. The University’s Digital Media Working Academy approached Bradford Council with a proposal to work together on a student digital media project. Bradford Council agreed to act as a client to simulate a real-world situation where animators and computer game programmers pitch to organisations for projects. This provided an opportunity to promote City Park and engage with young talented people helping them bridge the academic and vocational worlds. Teams of students from the University then presented their creative ideas to promote Bradford’s multi-award-winning City Park.

Mark Goodliff, supervisor of the project at the time, said: “It’s really important for students to gain experience of ‘live’ project work, where they’ll take on a creative challenge set by a client and go on to deliver something appropriate by an agreed deadline and within a fixed budget.

“The winning team was Raphael Pavel, Alan Standerwick, Jarell Enujuba, Olga Vilcinskaite and Steven Irving. The video will be used to promote City Park and will be featured on both the University and Council’s websites and social media platforms. Raphael said: “It was a great experience to be involved in this project as I gained a lot of experience and I learned how to create, manage and deliver a project for an important client outside the University of Bradford, namely Bradford City Council. It was all fun and exciting as I got to work alongside my peers who are my best friends now. This was a great opportunity for me to gain new skills, amazing friends and industry contacts.”

Unlocking the secrets of a Scottish cave

The University’s archaeological experts have been helping Channel 5 to unearth the ancient past, including tales of prehistoric executions and death rituals.

Underground Britain featured a project being led by Professor Ian Armit, Professor of Archaeology in the School of Archaeological Sciences.

Professor Armit and Dr Lindsey Buster have been carrying out research at the Sculptor’s Cave, Moray, in Scotland, funded by Historic Scotland.

The sea cave has previously been excavated, in the 1920s and 1970s, and part of the current project has been to document these excavations, including digitising and scanning the cave. Filming took place over the summer and included many of the artefacts found in the cave, housed at the National Museum of Scotland in Edinburgh.

Professor Armit said: “The Sculptor’s Cave is a fascinating location, known for decades for the richness of its archaeology and for the unusual Pictish carvings around its entrance. There were many human remains in the cave, mostly from the Bronze Age when the cave was a significant funerary site.

“Intriguingly, there are also the remains of several decapitated individuals from the Roman Iron Age, who seem to have been executed within the cave.”
For the third year running, the University’s grounds team has carried off the best in category Yorkshire in Bloom Gold Rose Award for universities, colleges and further education establishments. The team won a separate Gold Award for the quality of the grounds and a special Environmental Quality Award. The team received the awards from BBC The Big Allotment Challenge judge Jim Buttress at a ceremony at York Racecourse. The judges visited both the University’s city centre campus and the Faculty of Management and Law and were particularly impressed by the environmental awareness of the planting, highlighting the ‘delight of varied wildlife-friendly planting which includes the green roof, ponds, woodland walks, meadow planting, and herbs, fruit and vegetable planting throughout being available for pick your own schemes to encourage student involvement’. The team has also worked closely with Foxhill Primary School in Bradford, encouraging the pupils to get involved with gardening.

Chris Mudd, Building Maintenance Officer who leads the team of five, said: “We’re extremely proud to have won this award for a third year running and it’s a real testament to the hard work the team have put in yet again. They are passionate about what they do and that really shows through in the quality of the grounds that everybody can enjoy.”

University of Bradford study could help protect tranquil spaces from development

The Bradford Centre for Sustainable Environments at the University of Bradford is pioneering a method that planning authorities and conservationists could use to measure the impact of developments on the tranquillity enjoyed by residents and visitors of an area.

The new method involves establishing the existing level of tranquillity of a location based not only on noise levels but also visual amenity, such as the existing landscape, and establishes a ‘footprint’. The method then predicts the impact on that footprint and how it might be reduced by a development, such as wind turbines, and at what distance the development would have to be sited for the original tranquillity enjoyed by people to be restored.

The importance of tranquil spaces in providing health and wellbeing benefits has recently been recognised in the National Planning Policy Framework, and the threat to them from development has prompted research into tranquillity mapping.

Jessica in Japan after global video triumph

A University graduate visited Japan after winning an international video-making competition.

Jessica Waite’s three-minute animation was one of three winners of a joint worldwide student competition to make a video about sustainable development awareness organised by UNESCO and Hong Kong film company Salon Films.

She received her prize at the UNESCO World Conference on Education for Sustainable Development held in Nagoya, where her film - What is Sustainability? - was shown.

Jessica said "A call came up on my phone that was a Hong Kong area number and when I listened to the voicemail I couldn’t believe it. It was an invitation to come to Japan to receive my prize. I’d completely forgotten about entering but to win is just amazing.”

The competition organisers asked her, along with her fellow winners, to produce another video while she was in Japan, interviewing young conference delegates.
What’s On

JANUARY

Gallery II
Past Caring - Jane Allison, Katherine MacBride, Tracey Moffatt, Lucy Parker, Jo Spence
Free Entry
Past Caring is an exhibition that brings the concept of care into focus, for discussion and consideration in different ways
Open Monday - Friday 11am - 5pm (Thursday until 6pm) or by appointment. Exhibition runs until 20 February 2015

FEBRUARY

Tuesday 3 February, 7.30pm
Punching the Sky - Lizi Patch
Theatre in the Mill, University of Bradford
£3
A personal story of a relationship between a mother and her son, which explores broader issues about sex, censorship and parenthood

Sunday 15 February
The Sunday Lunch Project - Rebecca Atkinson-Lord
Mind the Gap Studios, Bradford - Free entry (but please book in advance)
Come and join Rebecca for a free lunch to talk about what your world is like and how things could be better.

Friday 20 - Saturday 21 February, 7.30pm
My Brother’s Country - Souroush (Routes North Commission)
Theatre in the Mill, University of Bradford
£8/£6/£3 (limited student offer)
A new performance about Islam, sexuality and how our world came to be the way it is today.

Gallery II
Past Caring - See above

APRIL

Saturday 18 April, 7.30pm
Soledad/Betto - Speak Woman Speak
Theatre in the Mill, University of Bradford
£3
Soledad is based on the real events of the ‘stolen babies’ (los niños robados) from the reign of Franco’s dictatorship.

Saturday 25 April, 7.30pm
Drink with a Chimp - Simon Brewis
Theatre in the Mill, University of Simon Brewis
£3
Featuring chimps, humans, biographical stories of addicts in recovery and a message of hope for anyone who has ever wanted to be ‘better’.

www.bradford.ac.uk/arts
www.bradford.ac.uk/news-and-events