

Annual Review 2012

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Pictured with the Vice-Chancellor at UCLan's 20th anniversary celebrations: Professor Zhong Weihe, President of Guangdong University of Foreign Studies, China (left) with Dr Olaseni Abubakar Mobolaji, Deputy Rector of Yaba College of Technology, Nigeria (right).

Foreword from the Vice-Chancellor

From Transition to Transformation

Welcome to the University of Central Lancashire's Annual Review for 2012. As many of you, our valued stakeholders, will already know I will be retiring from my position as Vice-Chancellor in the summer of 2013.

As I reflect on my time at the helm of UCLan, I am immensely proud of all we have achieved together. UCLan is a vibrant and exciting University and our motto: Ex Solo ad Solem - From the Earth to the Sun - is still as apt a reflection of our educational ethos today as it was when the Institution for the Diffusion of Knowledge was formed in 1828.

In 2012 UCLan celebrated its 20th anniversary from the time when Lancashire Polytechnic achieved University status. UCLan is now a much stronger, more competitive, and international University than it was in 1992 and has made excellent strides to meet its ambition of becoming a world-class modern university by 2017. In 20 years the University has helped more than 70,000 students achieve their graduate ambitions, over 5,000 have gained a first-class honours qualification and over 400 have completed doctorates.

Our anniversary celebrations formed part of a major international symposium which brought together many of our partners from across the world. I felt it was the right time to explore and discuss our successes and focus on what we are doing individually to promote internationalisation in our institutions, but to also focus on how, by working as a collective partnership network, we can be even more successful in the coming years.

UCLan, together with its international partners, is moving into an expanding global market and the landscape in which the University operates is changing at an unprecedented rate.

In order to meet the challenges and take advantage of the opportunities presented by this shifting landscape, the UCLan Board has reviewed the University's current and future position and has consequently agreed a proactive series of changes.

As from the 1st August 2013 UCLan will move to a revised Group Structure, with the University in Preston being the central point of the Group, the critical academic core. The Preston Campus will be separate from the other companies, be they the international campus developments in Cyprus, Thailand, Sri Lanka and beyond, or other enterprises. The University will continue to be the guardian of academic quality and standards and the awards offered across the Group and through our international partners.

This structure enables the University to broaden the base of its activities, whilst protecting the institution itself. It enables us to be adventurous and progressive, without significant risk to the UK University. Our strategy is to keep the University one step ahead of its competitors, helping it to manage its own affairs, to be more agile and more successful. My only regret is that I did not start this process five years ago, although the scale and pace of change now being witnessed by the sector was not an easy one to predict! I am entirely convinced we are on the right track and in the years to come this new structure will enable us to deliver our educational excellence internationally

whilst protecting and enhancing our academic provision in the UK.

This is going to be a time of unprecedented transformation which is why the University Board has asked me to act as the Interim Group CEO while these changes bed in. The University Group needs stability and I am delighted to accept the Board's request. I may be on the cusp of retirement but I still believe I have the drive, experience and vision to help take UCLan into the next 20-year stage of its development. We are already looking to the future through some very exciting investments in areas such as energy, gas, oil engineering and medicine. These are long-term projects which, despite the current environment, will help the University achieve a secure future.

I hope you enjoy reading about our many successful achievements in 2012. In addition to our 20th anniversary celebrations there were many highlights including the first ever visit by Her Majesty The Queen and His Royal Highness The Duke of Edinburgh, the opening of our Cyprus Campus, our support for elite Olympians and, of course, our major contribution to the 2012 Preston Guild.

I look forward to working with Professor Gerry Kelleher, the University's new Vice-Chancellor, to begin the next exciting chapter of the UCLan story.



Malcolm McVie

Snapshots of 2012



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January

Boredom at work is a major issue research reveals

Ground-breaking research, unveiled by Dr Sandi Mann at the British Psychological Society's Annual Conference, reveals that a quarter of office workers suffer chronic boredom. Almost 80 percent felt that being bored caused them to lose concentration and over 50 percent felt it led them to make mistakes. The most significant cause of office boredom is an undemanding workload.

Among her solutions to the problem Dr Mann suggests increases in job rotation, multi-skilling and job empowerment.¹

Student physios learn on the spin

Physiotherapy students work with national charity Go Kids Go to sample life as wheelchair users, gaining a real-life appreciation of the difficulties users face on a daily basis.

The students learn basic wheelchair skills which are put to use in everyday tasks. Mandy Dunbar, Senior Lecturer in Physiotherapy, said: "This is a fantastic opportunity because it enables the students to tailor physiotherapy treatments around the needs of the patients when out on placements."²

Special Constable honoured

Special Constable Dax Byrne-Turner is named British Transport Police North West Special Constable of the Year. Dax has been a Special Constable in Preston since beginning a Foundation Degree in Policing in 2011. He was recognised for his role in an initiative to tackle metal theft on the railways.³

February

Lottery support for temperance research project

Dr Annemarie McAllister, from UCLan's School of Education and Social Science, receives £50,000 from the Heritage Lottery Fund for an innovative new research project, 'Temperance and the Working Class', in collaboration with the People's History Museum in Manchester.

The project will involve volunteers from local communities collecting memories about Temperance and as part of the Preston Guild celebrations a Temperance exhibition will be held in the city during August.⁴

World-leading Professor in Pharmaceuticals appointed

Professor Kevin Taylor, a leading authority in research areas such as drug delivery, clinical pharmaceuticals and pharmacy education, is appointed as an Honorary Professor within UCLan's Institute of Nanotechnology and Bioengineering.

Professor Taylor is actively involved in researching liposomal systems for drug delivery while much of his research sits at the interface between pharmaceutical science and clinical practice.⁵

University performance roadmap points way ahead

Quacquarelli Symonds (QS), the compilers of the prestigious QS World University Rankings, launches the 'QS Stars Development Road Map' to showcase the broader quality of institutions, enabling them to stand out in their particular areas of excellence. Overall the University is awarded four out of the maximum of five stars.⁶

March

Rugby League World Cup comes to UCLan

UCLan is confirmed as an official training venue for the Rugby League World Cup, providing Ireland with training facilities prior to the tournament. UCLan is the only University and the only venue in Lancashire to be chosen as a host venue for the 14 nation tournament that will be held in England and Wales in 2013.⁷

Thin Black Line(s) at the Tate Britain

The Thin Black Line(s) Exhibition, curated by Lubaina Himid, UCLan's Professor of Contemporary Art, opens at Tate Britain.

The show celebrates three earlier exhibitions curated by Professor Himid in the 1980s, which marked the arrival on the British art scene of a radical generation of young Black and Asian women artists. The Thin Black Line(s) features a selection of key works by some of these artists, repositioning the black female presence from the margins to the centre of debates about representations and art making.⁸

UCLan welcomes Zambian coaches to Preston

The University hosts six Zambian sports coaches as part of the Zambian Leaders Exchange Project, a partnership with UK Sport International under the International Community Coaching system.

The coaches spent a week in Preston working with UCLan sports coaching students, Preston City Council Sports Development and local schools in a bid to share best-practice ideas on coaching at a community level.⁹



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April

UCLan choir helps to bring the Passion to Preston

UCLan's Chamber Choir opens BBC One's live 'Preston Passion' programme on Good Friday with a rousing performance of Jerusalem. The award-winning choir is joined by seven UCLan performing arts students in the hour-long televised show that combines live performances and innovative drama.¹⁰

UCLan ranked among the UK's top 10 high performing modern universities

The Times Higher Education ranks UCLan 38th overall in its annual Student Experience Survey, up three places on last year. Students are asked to rate their experiences on campus taking into account a wide range of factors including teaching, facilities and social life. UCLan ranks in the top 10 overall for good library and library opening hours (5th) and good personal relationship with teaching staff (9th).¹¹

Olympic sprinters arrive in Preston

Two athletes from the island of Tuvalu gain a great start to their preparations for the London 2012 Olympic Games as they are welcomed to Preston by the city's Mayor Councillor Bobby Cartwright.

Asenati Aleki and Tavavele Noah, who will both compete in the 100 and 200 metre sprint events, spend 100 days in the lead up to the Olympics training with UCLan sports coaching staff.¹²

May

Royal couple tour Burnley Campus

In one of the proudest days of the University's history, students and staff welcome Her Majesty The Queen and His Royal Highness The Duke of Edinburgh to the Burnley Campus. The Royal couple are taken on a journey of educational discovery to see examples of innovative teaching and world-class research.¹³

Alcohol research unveiled

Lancashire Law School unveils research which examines the impact of proposals to set a minimum price per unit for alcohol and better controls over alcohol advertising.

The research is funded by the European Commission and carried out in partnership with the University of Gothenburg. As part of the project 'youth juries' discuss alcohol-related issues such as peer pressure, the effects of alcohol and education initiatives around drinking.¹⁴

Enhancing the global student experience

Leaders from industry, international and UK education mix with current students as they gather at UCLan for an international symposium on the global student experience.

The event, part of UCLan's 20th anniversary celebrations, investigates how an international component to a student's experience can better prepare them for a globalised marketplace.¹⁵

Dancing for the stars

Profoundly deaf student Wayne Sharples beats off stiff competition from thousands of performers as he wins an opportunity to showcase his dancing skills to the world at the opening ceremony of the 2012 Paralympic Games.¹⁶

June

UCLan steals the show at Graduate Fashion Week

UCLan students once again hit the headlines at Graduate Fashion Week by winning four awards and being shortlisted for seven, continuing its reputation as one of the most successful UK universities in the event's 21 year history.¹⁷

Mental health research unveiled at House of Commons

Research undertaken by Karen Newbigging from UCLan's School of Health reveals that understanding the role of advocacy is critical to ensuring people receive the support they need from mental health services.

The study, funded by the Department of Health, looked at the quality of independent mental health advocacy services, used by people who have been detained under the Mental Health Act.¹⁸

Archaeologists uncover rare find

UCLan archaeology students led by Dr Duncan Sayer hit the national news headlines when they excavate an Anglo-Saxon grave containing a woman buried with a cow, brooches and hundreds of amber and decorated glass beads.

There are only 31 known horse burials within the UK, all men with spears, shields or a sword. The female burial is unique in Europe and is symbolic of her status as a local or regional matriarch.

Dr Duncan Sayer commented: "It would seem that after the end of the Roman period in AD 450, female community leaders could command the respect of a region and be treated to elaborate funeral rituals. I don't think I'll find anything as significant as this again in my lifetime."¹⁹



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July

Olympic athletes inspire local schoolchildren

Olympic athletes from Fiji, Guam, Samoa and Tuvalu join over 1,800 Preston primary school children in an Olympic themed sports day at UCLan Sports Arena.

The athletes, who will compete in athletics, archery, judo, mountain biking, swimming and wrestling at the London 2012 Olympic Games, worked with the children on how to prepare for competition and at the end of the event presented the winning teams with trophies.²⁰

Rocket challenge creates Guinness World Record

Over 2,575 water powered bottle rockets are launched around the world as part of a 24-hour global challenge, led by UCLan, to set a new Guinness World Record.

The event is a celebration of a joint research venture between UCLan astrophysicists and engineers, the NASA Marshall Space Flight Centre and the Harvard Smithsonian Astrophysical Laboratory to capture the sharpest images ever taken of the Sun.²¹

Face of Christian Grey revealed

Dr Faye Skelton, a lecturer in UCLan's School of Psychology, publishes the first 'e-fit' image of the mysterious character Christian Grey from E L James' 50 Shades of Grey novels. Dr Skelton pieces together the e-fit, a computer-generated facial composite, based on descriptions from women who have read the novels. The image draws international attention and helps to highlight the UCLan-devised EvoFIT system; sophisticated software which is being used successfully by police forces across the world to help victims and witnesses of crime generate an image of a criminal's face.²²

August

Hats off for Junior University

More than 100 local schoolchildren celebrate their 'graduation' from UCLan's Junior University project. The Year 9 and 10 students don their caps and gowns after the culmination of this year's activities which include hands-on workshops in subjects including dentistry, fire safety and psychology.²³

Professor gains influential Government role

Laurence Williams FEng, UCLan's Professor of Nuclear Safety and Regulation, is appointed as Chair of the Committee on Radioactive Waste Management. The influential body of independent experts provides advice to the UK Government on the long-term management of radioactive waste in the UK.²⁴

UCLan graduates star at sci-fi premiere

The UK premiere of a new science-fiction film, 'Piercing Brightness', is held in Preston. The production, created and directed by international artist Shezad Dawood, features many UCLan alumni who assist with various aspects of the production. Acting graduate Samantha Edwards is among those who took on a lead acting role.²⁵

September

Global research into childhood showcased

At a three-day international conference held at UCLan, academics join children from across the globe to debate the role of children and the nature of childhood in the modern world.

UCLan academic staff contribute to the dissemination of cutting-edge research which explores the nature of childhood in contemporary society and the role children can play in helping to shape a 'good society'. The conference itself is to be evaluated as a piece of research into how to promote effective intergenerational dialogue.²⁶

UCLan strengths highlighted

In the National Student Survey, key areas such as teaching, academic support and learning resources all show improvement. Several subject areas achieve high levels of satisfaction with seven; Business Studies, Management Studies, Others in subjects allied to medicine, Pharmacology, Toxicology and Pharmacy, Physical Geography and Environmental Science, Sports Science, and Tourism, Transport and Travel ranked in the top 25 percent nationally. UCLan is also ranked in the top 25 percent nationally for the question: 'I have received detailed comments on my work' an aspect of university study which is particularly valued by students.²⁷

Dental honour brings smiles all round

Professor StJohn Crean, Dean of the School of Postgraduate Medical and Dental Education, is recognised for his commitment and service to the dental industry as he accepts the Anniversary Medal from the Faculty of Dental Surgery at the Royal College of Surgeons of England.²⁸



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October

Growing together

UCLan and Myerscough College announce a landmark agreement which brings their historic partnership of over 20 years closer together than ever before.

The new arrangement sees Myerscough College deliver its internationally renowned Higher Education courses as an Associate School of UCLan. A joint senior executive team will be established to oversee the development of the Associate School.

The new partnership will enhance the ability of both parties to provide world-class facilities, strong partnerships with business to improve student employability, as well as opportunities to study abroad.²⁹

Research Fellow's historical starring role

Dr Nick Mansfield, Senior Research Fellow in History, appears on an episode of the popular BBC Two TV series *Wartime Farm*.

Dr Mansfield, an expert on rural labour history within the School of Education and Social Science, discusses the social and political history of British countryside during the War, but focusing on the role of the Labour Party in rural areas and, in particular, the General Election of 1945.³⁰

Clare Balding proves a big hit

Around 400 people attend a guest lecture and charity book signing by leading sports broadcaster Clare Balding.

The television and radio star, who has recently released her autobiography 'My Animals and Other Family', speaks to a packed audience as she relays her experiences of covering the year's sports and news events including the Olympic and Paralympic Games.³¹

November

Unique Westminster collaboration

A unique partnership between UCLan and leading think tank Policy Network, results in the launch of an innovative course aimed at giving students an in-depth experience of the Westminster and Whitehall policy community. The Professional Doctorate in Applied Policy Sciences is designed by professionals involved in applied policy research and practical political science. Drawing upon the expertise of the Lancashire Law School, the new programme is to be taught at UCLan's Westlakes and Preston campuses, and at Policy Network, near Westminster in London.³²

University welcomes Chinese Embassy delegation

The Minister Counsellor for Education at the Chinese Embassy Mr Shen Yang visits the University to meet key staff and discuss UCLan's collaborative work in China and long-term plans.

The Minister talks about the opportunities for student study exchanges for Chinese and UK students, research and teaching collaborations.³³

First for policing

Policing students from UCLan's School of Forensic and Investigative Sciences are among the first to meet Lancashire's first-ever Police and Crime Commissioner (PCC) Clive Grunshaw. Clive spends the day at UCLan, where he gives his first speech as PCC, before taking questions from students and local media. Since 2001, in the region of 800 students have studied and graduated from a range of UCLan's policing programmes at Foundation Degree, Bachelors and Masters level.³⁴

December

New initiative to preserve local heritage

Building surveying and building conservation students team up with Preston City Council to survey locally protected historic buildings as part of a national scheme run by English Heritage.

The students work closely with the Council to complete Heritage at Risk surveys of listed building around the city, focusing on properties in the Fishergate Hill Conservation Area. The aim of the scheme is to update the Local Planning Authority's database of heritage assets and identify any problems that could potentially be resolved in the future.³⁵

Big tick for publishing

Academics and students celebrate an early Christmas present as they learn their course has become the first of its kind to receive industry accreditation.

The Masters in Publishing is the only higher education programme in the country to be awarded the Skillset approval and tick mark. Skillset officials rigorously scrutinised the programme's academic provision and industry connections before providing a glowing assessment report.³⁶

Exciting plans for Preston's Docklands unveiled

Architecture students present exciting plans to re-generate Preston's Docklands. Their plans include an underwater casino, a tree top walk and a sustainable fish farm.

The team of 40 students from the School of Built and Natural Environment create a scale model of Preston's Albert Edward Dock proposing a re-development of the commercial and residential areas with modern attractions in keeping with the original identity of the area.³⁷





Celebrating

20 years of University excellence through people, ideas and achievements.

2012 saw the University's 20th anniversary coincide with the Preston Guild, the Queen's Diamond Jubilee celebrations and its 20 year partnership with Guangdong University of Foreign Studies. In honouring the past we invited our stakeholder friends, together with students, staff and alumni to celebrate with us and look forward to the next 20 years of development.

Royal seal of approval for Burnley Campus

In what was one of the proudest days in the University's history, students and staff welcomed Her Majesty The Queen and His Royal Highness The Duke of Edinburgh to UCLan's Burnley Campus.

The visit, part of the Diamond Jubilee celebrations, culminated with the Queen unveiling a plaque to mark the launch of UCLan's Junior University project, an initiative aimed at raising the educational aspirations of local school children.

During their tour the Royal party met students of different ages and backgrounds following courses related to sport, fashion, health, advanced manufacturing and volunteering.

A key section of the tour included a visit to UCLan's Small Firms' Summit. The event brought together 120 owner-managers and senior directors of smaller and medium-size firms across Lancashire to network, express views and explore Government policies aimed at strengthening the region's business economy.

Kieran Fletcher, founder of social enterprise Funda Coaching and former UCLan student, was privileged to meet both Her Majesty and The Duke. The royal couple learned about the

vital support he received when setting up his social enterprise through UCLan's Northern Lights business support programme and his experience as a student at both Burnley College and UCLan.

UCLan is acknowledged as one of the country's most entrepreneurial and business friendly universities particularly in the field of student start-ups with 77 percent still thriving two years after formation.

Later in the tour Her Majesty met mother-of-seven and Burnley-based student Rabia Begum Sharif, who exhibited her final year fashion collection.

Rabia's collection was based on the theme of 'upcycling' by customising second hand clothing (of a western style) with intricate and beautiful hand stitching, typical of a Bangladeshi style.

"Burnley is my home," she said. "I married very young, had children and so with family commitments I didn't have the opportunity to go to University. However, once UCLan came

to the town, new doors opened for me and I haven't looked back since."

Looking back on the day she added: "Meeting Her Majesty was a fantastic experience for all the students and she was very interested in our work and our backgrounds. When I enrolled on the course I never thought anything like this would have been possible."

UCLan Vice-Chancellor Malcolm McVicar said: "Her Majesty's visit went extremely well and was a great success. She was really interested in the University as it is today as well as its future international vision.

"She praised the UCLan Chamber Choir, was very impressed with our industrial links and was amazed by our fashion section, especially the displayed footage of our Thailand Fashion Show. It was a day which everyone connected to the University will always remember."

For further pictures of the visit see page 66.

"Meeting Her Majesty was a fantastic experience for all the students and she was very interested in our work and our backgrounds. When I enrolled on the course I never thought anything like this would have been possible."



Her Majesty meets BA(Hons) Fashion Design students.

Preston Guild spectacular

As one of the city's leading employers based within the heart of the community, the University was delighted and honoured to play a central role in the 2012 Preston Guild.

Preston Guild is unique in the UK. It is celebrated only once every 20 years and has a history stretching back over 800 years to 1179 when Henry II granted a charter which empowered Preston to hold a Guild Merchant. Originally it was held to keep the Guild Roll, a list of people allowed to trade in the town, up-to-date but by the 18th century it had become a huge celebration of civic pride.

In the lead up to the 2012 celebrations the University planned and delivered a wide variety of events including festivals, conferences, lectures and performances open to the public, all involving students and staff across the Campus. By drawing on its extensive network of 125 international partners the University also played

a vital role in enabling Preston's historic Guild Scrolls of Friendship to be signed at key UCLan events overseas so that those with a connection to the city could join in with the celebrations and deliver their good wishes.

During Guild Week in early September staff and students from both the University and Students' Union paraded in the Trades, Community and Torchlight Processions. Projecting an overall theme of global citizenship, the centre-piece of the UCLan procession was a huge globe, held high above the walkers' heads. During the torchlight event the University walkers were joined by the famous Leyland Band who added a real carnival flavour to the proceeding. Thousands of spectators lined the streets of the city centre, and those participating on behalf of the University felt truly honoured and inspired by the experience.



Staff and students pictured in the Preston Guild torchlight procession.

Other Guild highlights included a unique collaboration between students from UCLan and Lancaster University working with computer games company RM productions. The result was the first Preston Guild mobile app game entitled 'Cotton Pops'.

MA Transdisciplinary Design graduate Rachel Simpson produced the artwork for a Guild Heritage Trail, together with a pack containing a walking tour of Preston which described the city's cultural and industrial history.

In October Guild Mayor Councillor Carl Crompton and the Guild Mayoress Councillor Mrs Linda Crompton met UCLan students of all nationalities, as they celebrated the traditional Chinese Mid-Autumn festival. The event, which brought together Chinese and European students, featured live Chinese music, food, karaoke and kite flying.

Renowned designer Wayne Hemingway also tapped into the creative talents of UCLan's design students as they helped scope ideas for a two-day vintage festival with a Preston Guild twist. 'Vintage Guild' celebrated the best of the city's art, fashion, film, food and music. As part of the festival Elena Gifford, from UCLan Fashion, curated and developed a public showcase which celebrated northern fashion and style through the ages of past Guild celebrations. Incorporating hands-on workshops which were both informative and inspiring, the setting proved a real hit with festival-goers.

Artistic talent was a key theme of the 2012 Guild and during the celebration the University hosted the biggest and most valuable collection of modern Christian art outside of the Vatican. The Visible Faith exhibition at UCLan's St Peter's Art Centre contained 50 paintings from the Methodist Collection of Modern Christian Art some of which dated back to the early 1900s and included pieces from well-known international artists such as Graham Sutherland and Edward Burra.

And on the day the Olympic flame made its momentous journey through Preston, UCLan re-lived past times through a history festival

which celebrated the unique historical legacy of the Preston Guild. The event incorporated stalls, exhibitions, lectures and screenings in a friendly and fun environment and attendees were able to learn about their own family history, as well as the history of the region. Over 30 organisations and museums, including English Heritage, the Heritage Lottery Fund, the Museum of Lancashire and Harris Museum & Art Gallery, provided a mixture of both national and regional history.

The Guild of 2012 culminated in the burial of a Guild Time Capsule which was designed at UCLan by students and staff. At the unveiling of the capsule product design student Mark Newton spoke about the special project and described how a miniature prototype had been developed by staff in the University's School of Art Design and Performance using state-of-the-art equipment in the Rapid Prototyping Unit.

Explaining the fins which run on both sides of the capsule, Mark said his design was inspired by the iconic Preston bus station. Professor Rod Dubrow-Marshall, UCLan's Pro Vice-Chancellor, said: "The Guild Time Capsule carries inside it the memories and creativity of this generation as we look ahead to the next Guild. The capsule will tell all who are here in 2032 what Preston Guild 2012 meant to us and why we were so proud of our city back in 2012."

Guild Mayor Councillor Carl Crompton added: "This year has been absolutely fantastic for the city and I feel immense pride in what we have achieved together. I would like to thank the students from UCLan who have done an excellent job designing the time capsule, which is fitting because of the important role the University and its students played in making the Guild such a huge success."



Drawing inspiration from past and present

The Alumni Association at UCLan is a thriving worldwide community with a membership approaching 130,000 former students. Their support is vital in developing a vibrant and progressive UCLan community, engendering pride in the University's continuing achievements and creating influential global networks. Many of our former students choose to 'give something back' to the University and in 2012 20 former students from the fields of art, design, fashion, photography and performance contributed to a stunning exhibition which formed part of the Preston Guild Celebrations.

Once In Every celebrated the work of alumni from UCLan's School of Art, Design and Performance including Andy Goldsworthy OBE, the world-famous British sculptor and photographer.

Other celebrated names included Ben Kelly, the interior designer of Hacienda fame, artist and performer John Foxx and Mark Coulier, Oscar winning creator of prosthetics for the movie *The Iron Lady* and *Star Wars*. From the fashion and textiles world Thea Bregazzi provided a glimpse of the clothing style of international label 'Preen'.

Also exhibiting was former student Amy Molyneaux who set up fashion label PPQ which set the style of London's fashion and music scene from the 1990s and beyond. It was PPQ's drainpipe jean that dressed rock and roll musicians including Amy Winehouse and Pete Doherty.

Recent UCLan graduates were also represented, showing their own professional work alongside those from the School's polytechnic days and even further back through the Harris College and its connection to the Lancaster College of Art.

UCLan's Fiona Candy, one of the coordinators of the exhibition, said: "Over the years the University has attracted a diverse range of hugely talented artists, designers and performers.

"Outstanding creativity allied to real drive is the combination which has made them successful on a world stage. We were extremely proud to welcome back these celebrated alumni, their creative flair was nurtured in Preston and our current students continue to take inspiration from them."

Glenda Brindle, Dean of the School of Art Design and Performance, added: "Apart from its stunning visual appeal, the show gave a clear message of encouragement to our current crop

of young creatives who could clearly see the link between academia and successfully finding a pathway to a career into the creative industries."

Ben Casey, who curated the exhibition, completed a graphic design course between 1965 and 1967 at Harris College.

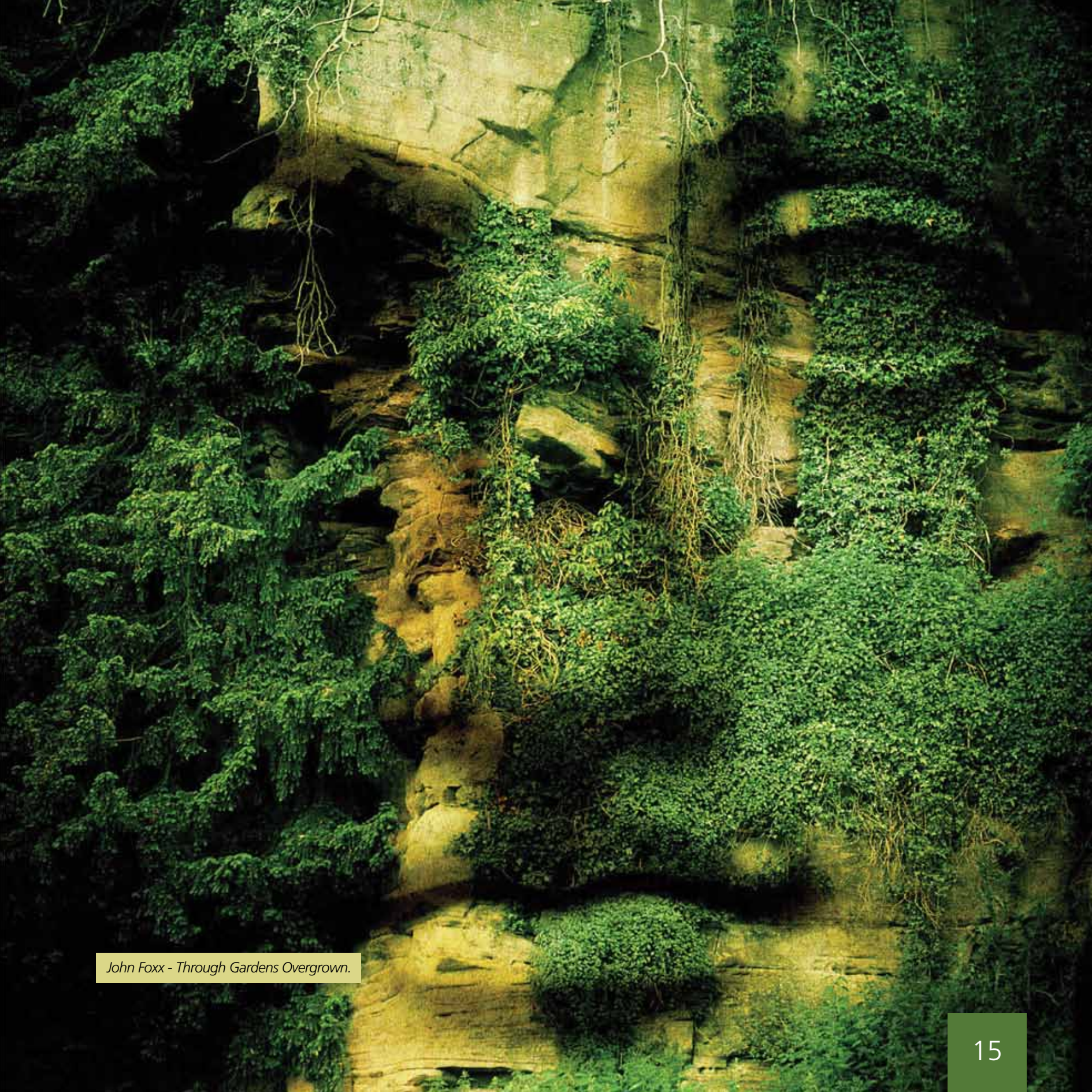
During his distinguished career he has worked in academia, created The Chase design consultancy with bases in Manchester, London and Preston, and has played an integral part in the design of the new-look Deepdale football stadium, home to Preston North End. He is now a professor in UCLan's School of Art, Design and Performance and commented: "We could have had several exhibitions with the quality of people who came through the doors. The depth of talent and diversity that has come from this department over the past 40 years is phenomenal."

John Foxx, who also attended Harris College during 1965 and 1967, has enjoyed huge success during his career. He was the original founder of Ultravox and has played a pivotal role in the music industry ever since.

The art and music alumnus said: "It's great to be back and see the fantastic work on display. It's over 40 years since I left but every day I value what I learned on the course. The most important aspect I took away with me was the way I was made to think about my work. I only got that from going to lectures and working hard but everything I've done since stems from that vital lesson."

He added: "Being a student in Preston was the most exciting time of my life."

"Over the years the University has attracted a diverse range of hugely talented artists, designers and performers."



John Foxx - Through Gardens Overgrown.



Delivering

outstanding teaching and an exceptional student experience, underpinned by research-informed teaching, innovation and real-world practicality.



Fijian javelin thrower Leslie Copeland who benefited from UCLan's elite coaching prior to the Olympic Games.



Undergraduate research intern Andrew Tyler.

Learning the smart way

From investigating the benefits of antifungal smart bandages to discovering new ways to clean up radioactive waste, undergraduate students from across UCLan are grasping the opportunities provided by research internships.

The University now has the largest undergraduate research internship scheme in the UK and it's an initiative which is really helping to transform the student experience. Established in 2008, the programme enables students to work on cutting-edge research projects alongside staff for a 10-week period during the summer months. The scheme has been highly successful and to date over 350 UCLan students have made major contributions to high-quality research projects.

Many of the students involved have gone on to see their work published in prestigious academic journals and present at conferences both nationally and internationally.

In 2012 60 research projects were undertaken by student interns working with academics in a variety of subject areas including science, culture, health and the arts.

The work of Andrew Tyler, a student from the School of Forensic and Investigative Sciences, has been particularly commended. He won the UCLan award for best research poster for an

undergraduate research intern and presented his work at the prestigious International Congress of Young Chemists in Gdansk, Poland. The event is billed as an opportunity for young, skilled and ambitious scientists to present to an international audience.

Andrew, whose research focused on antifungal smart bandages, is seriously considering further study at PhD level. Commenting on the benefits of the scheme and the doors it has opened he said: "The programme has given me a golden opportunity to work in the lab alongside research academics and PhD students. Presenting at academic conferences has been an unexpected but welcome bonus, giving me the chance to see what other ambitious young chemists are achieving.

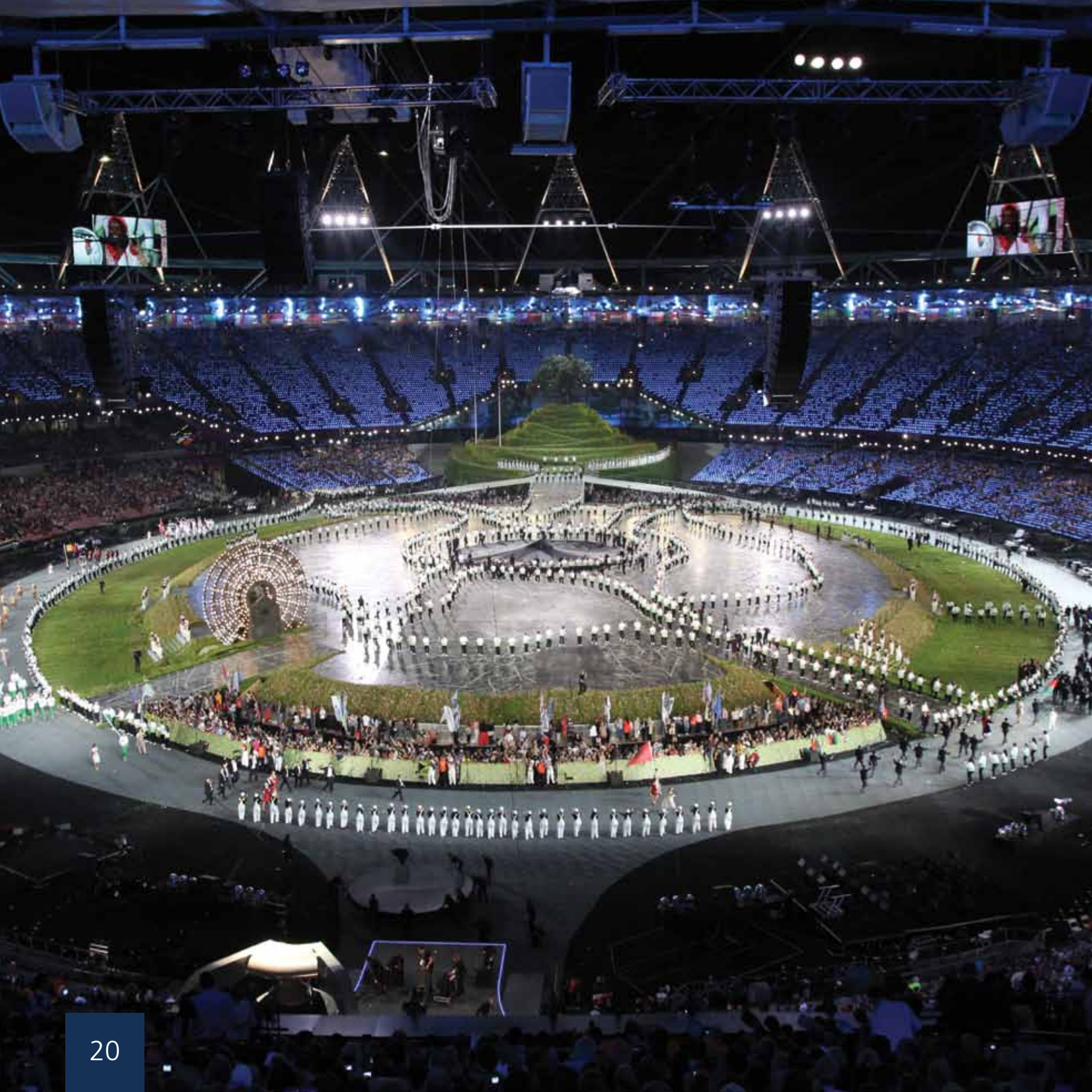
"The whole experience has been hugely worthwhile. Of course it's a lot of hard work but it's also extremely interesting. I've gained a huge amount of experience and it's something that will certainly stand out on the CV."

Professor Stuart Hampton-Reeves, Director of UCLan's Centre for Research-informed Teaching, said the scheme was a powerful learning tool in that it promotes originality, creativity and rigor among students.

"We believe that the spirit of enquiry should be at the heart of higher education and that research gives students the opportunity to go beyond their formal learning and helps to forge new knowledge," he said.

"Many of the students taking part in our scheme have produced research which is of a PhD standard and it just goes to show how, when the students are given the opportunity, there are no limitations. The scheme is getting bigger and more popular every year and the quality and standard of work is very high indeed. It is an area where we believe the University has forged a national lead and we are determined to enhance that standing in the years to come."

"We believe that the spirit of enquiry should be at the heart of higher education and that research gives students the opportunity to go beyond their formal learning and helps to forge new knowledge."



Reaching for the gold standard

Sports science expertise plays key role in Olympics success.

Enabling elite athletes to reach their sporting potential is an area where the University continues to have a major impact.

UCLan is highly active in the field of sport and exercise sciences research, collaborating with top industry bodies and academic institutions from around the world. Much of this research relates to the practice, coaching, science and management of sport, the social and cultural study of sport, and specialist areas of physiotherapy and food and nutrition.

The University continues to work alongside organisations such as the Football Association, the Professional Golfers' Association and the UK's Rugby Football League. In 2012 the University's link with the Oceania Olympic Committee came under the spotlight as UCLan hosted a pre-Games training camp for athletes from Fiji, Guam, Nauru, Samoa, Tonga and Tuvalu.

Fijian javelin thrower Leslie Copeland was one athlete who gained enormously from the elite coaching provided by UCLan experts such as John Trower.

John has personally coached Steve Backley, Michael Hill and Kelly Morgan, javelin throwers who have won major games medals at Olympic Games and World Championships since 1990, and in Backley's case broke the javelin world record on three occasions during the period 1990 to 1992.

Twenty two-year-old Leslie began training at UCLan two years before the Olympic finals, an experience which was crucial in his eventual performance at the Games. "I was able to make use of all the facilities and assistance that UCLan had to offer," he said. "The support team were so impressive and having access to things like video analysis equipment was a very useful aspect to my overall training programme. I really benefited from the expertise of John Trower and the advice he provided."

Like the other Oceania athletes, Leslie stayed in UCLan's student halls of residence, close to the Sir Tom Finney Sports Centre and UCLan Sports Arena where he enjoyed training. UCLan sports development, coaching, physiotherapy and sports-science staff and students provided Leslie with a support network. They also helped him to recover from a shoulder injury sustained during practice.

Lorraine Mar, Secretary General and CEO of the Fiji Association of Sports and National Olympic Committee, believes UCLan assisted Leslie to qualify for the World Championships and in turn, the Olympics: "He came to the North West in 2010 for two or three weeks and almost immediately after that he went on

to competitions," she explained. "I'm pleased to say that he actually qualified for the World Championships in Korea. Crucially it was here he threw 80.45 metres which then qualified him automatically for the Olympics."

Coming in to the Olympics, Leslie was ranked 43 out of 44. However, this all changed after his event where he threw 80.19m in qualification. He only just missed out by one place (and by just 10cm) on qualifying for the final round of the 12 top-ranking athletes. Ironically, if he had managed to qualify for the next round to compete in the final, and thrown the same distance, he would have been ranked 10th at the Olympics. The final overall standing saw Leslie ranked in 13th position, a remarkable achievement for Team Fiji.

Adrian Ibbetson, UCLan's Academic Director for Sport, said: "Helping to support Leslie and other athletes from Oceania was an important way for us to showcase the world-leading sports expertise that exists at UCLan. It also helped to bring London 2012 to life for our students and our communities across Preston and the North West, demonstrating the truly global nature of the Games and the ethos of our international University."

UCLan is highly active in the field of sport and exercise sciences research, collaborating with top industry bodies and academic institutions from around the world.

Dental clinic fills skills gap

University-based practice offers specialist treatment and training.

The study of dentistry at both undergraduate and postgraduate level has been firmly established within UCLan's course portfolio for a number of years, helping to address Government figures which identify the chronic need for more qualified dentists in the North West.

In 2012 UCLan became the only University in the North West, and one of only a few nationally, to open its own on-campus dental clinic. In addition to offering treatment for staff and students as part of UCLan's pastoral care role, the £1.3m UCLan Dental Clinic's (UDC) primary focus is on advanced non-standard procedures for dentist referrals and self-referred private patients from across the Lancashire and South Lakes region.

The UDC is an independently-managed practice, which aims to be commercially viable in its own right and to become recognised as a centre of excellence in regional dental care. Through its links with UCLan's acclaimed School of Postgraduate Medical and Dental Education, it will also enable qualified General Dental Practitioners (GDPs) studying part-time MSc courses to extend their specialist skills.

Offering all the facilities that would be expected of a top-flight private practice, the UDC comprises four general dental surgeries with advanced operating microscopes, an oral suite with recovery room, an x-ray room equipped with digital technology, and a spacious waiting room. It is equipped with high specification dental sets and ancillary equipment, designed to ensure excellent standards of dental treatment and training.

The Clinical Director is Paul Walsh, who has 25 years' working experience as a GDP and ran a successful group of four practices. He lectures in Dental Management and Legal & Ethical Issues at UCLan and took a lead role in bringing this project to fruition, so is well qualified to take the enterprise forward and maintain standards of practice. The Clinic is staffed by experts in their particular fields, specifically engaged by the practice, augmented by experienced practitioners undertaking postgraduate courses.

The advanced dental treatments programme is thoroughly grounded in the University's research and teaching curriculum, so includes cutting-edge techniques, although the choice of procedures and competitive fees structure are geared towards referring GDPs and private patients.

UCLan Dental Clinic's specialisms include endodontics, the treatment of periodontal disease, restorative dentistry, dental implants and broad-ranging oral surgery. It also covers a whole spectrum of cosmetic dentistry, from teeth whitening, straightening, shaping and gum contouring, to cosmetic bridges and dentures and clear realigning braces.

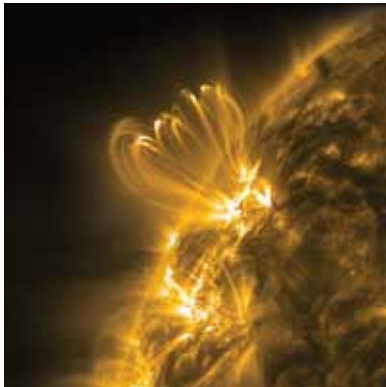
After an open day for local GDPs in August 2012, which enabled them to preview the facilities, Dr Walsh and his team have been maintaining an 'open door' policy for practitioners, encouraging them to tour the clinic, attend treatment seminars with patient referrals and brush up their own clinical skills under expert tuition. The Clinic has also developed training programmes for dental hygienists, nurses and technicians in the area, while all members of the dental team have been able to use the facilities to gain valuable hands-on experience, as part of their continuing professional development studies.

"We believe that the UCLan Dental Clinic provides an important professional resource for dental practitioners across the region, both as an aid to personal career development and a means of securing affordable specialist treatment for their patients," said Dr Walsh. "We hope that once our practitioner colleagues appreciate the levels of experience, service and patient care we can provide, they will refer patients to us and take advantage of our first-class training facilities."

Barry Cockcroft, Chief Dental Officer and the Government's principal dental adviser, added: "I am very pleased to support the establishment of the UCLan Dental Clinic – not only is this enhancing dental care provision within the region, it is also an important initiative for the dental education sector, enabling multi-professional clinical education and training for dentists and dental care professionals, up to Master's level."

The advanced dental treatments programme is thoroughly grounded in the University's research and teaching curriculum, so includes cutting-edge techniques.





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COSMOLOGY
AND PARTICLE
ASTROPHYSICS

Second Edition

Lars Bergström and Ariel Goobar



Project lead, Paul Egglestone.

From smartphones to smart paper

The biggest idea, and most original thinking and the most radical concept for the future of news.

Imagine traditionally printed paper that can connect to the internet, play audio, offer live 'touch-voting' and link with social media.

It might take the form of a poster or cereal packet that streams local radio right into your kitchen, or a newspaper that delivers your daily community news in audio form, or perhaps a map of the world that provides the latest audio headlines from around the globe.

Over the last two years, 'Interactive Newsprint' – an award-winning research project led by UCLan's School of Journalism and Digital Communication and involving the University of Dundee, University of Surrey and technology partner Novalia - has explored a radical new media future: one that's not based around touch screens and instead uses cutting-edge printed electronics to connect the web to standard, everyday paper.

Working with communities throughout Preston, the UK and internationally, the project has prototyped a host of different 'interactive paper' platforms that can detect human touch, play audio files, create voting points and upload and download information to the web.

One of the first prototypes was a print edition of the Lancashire Evening Post, released during September 2012. The issue allowed readers to press a button on the paper to play audio through wireless headphones.

UCLan's Paul Egglestone is the project lead investigator and has been pleased with the way people have responded to the platform prototypes. "Most people just get it," he said. "They know that media will evolve way beyond tablets. They also know that things are moving really quickly in this area and that it won't be long before the technology becomes completely seamless."

In tandem with the physical designs, the team has also created paper-based analytics – otherwise known as 'paper data'. This feature allows publishers to track 'hit rates' and other analytic information from printed paper. For the first time ever, publishers could chart exactly when people are reading their stories and adverts.

The project has really captured people's imagination and the research team has been talking to some of the world's biggest media companies about it including You Tube, Facebook and Twitter. Via the project website the researchers

have been connected with people from Brazil, America, India and across Europe all interested in the project's development. Recently the research team presented their latest prototype to critical acclaim at the world-renowned technology, music and film festival, South-by-South-West.

Looking to the future Egglestone added: "This is the ultimate low tech/hi tech platform. Our joint aim has always been to make the technology as cheap and accessible as possible hence we made sure we could print using standard off-set litho printing processes rather than investing in expensive digital printers.

"We're only at the beginning of the evolution of this technology but what will really move the whole area on is getting it into the hands of communities, activists, entrepreneurs with start-up ideas, as well as artists, designers, journalists and coders.

"We have a great story to tell because we know there are so many ways this research connects to the real world and there are loads of applications for what we're doing. People say print is dead, I think it's safe to say that it's far from dead yet!"

Imagine traditionally printed paper that can connect to the internet, play audio, offer live 'touch-voting' and link with social media.

Supporting the envoys: the human cost of delivering bad news

Being made redundant can be one of life's most traumatic experiences but what effect does it have on the people who deliver the bad news? In a ground-breaking study, the first of its kind, UCLan's Lancashire Business School has collaborated with Acas to find out.

The study compared experiences across the public and private sector and was carried out by Dr Ian Ashman, from UCLan's Institute for Research into Organisation, Work and Employment, on behalf of Acas.

An 'envoy,' is the term used to describe the person – usually a line manager or HR manager – who delivers news to others when an organisation is downsizing.

Dr Ashman said: "With business change and downsizing now part of the fabric of the workplace, many employees find themselves

having to break bad news to colleagues. And in many cases envoys might be telling people they have worked with for many years that they are going to be made redundant or will have to be redeployed."

John Taylor, Acas Chief Executive, said: "The research highlights some important lessons for employers going through organisational change. Redundancy is very difficult for all those involved. This research focuses on envoys specifically and there needs to be a greater appreciation of the emotional toll it can take on those at the sharp end of breaking bad news.

"Ideally, they should have previous experience and at the very least they should be supported in how best to deal with the situation, including being given a thorough briefing in why redundancy or redeployment is necessary."

Dr Ashman's study found that envoys from the public and private sector had similar attitudes towards the role and behaved in similar ways regarding the duties involved. In addition, they considered the role the most emotionally demanding thing they had undertaken in their working lives.



Dr Ashman said: “Envoys work very hard to ensure they do a professional job of breaking the news, often involving long hours and emotional stress which can impact on their own personal lives. The closer the relationship the envoy has with those facing redundancy, the more difficult the process was for them, particularly if they still had to work with those affected.”

The study also found that experiences in the private and public sectors varied. Envoys in the private sector were more likely to be involved in the decision making process around downsizing which gave them a greater sense of ownership. This helped them deal with the more difficult aspect of the role.

In contrast public sector envoys were less likely to be involved, and though they may understand the reasons behind decisions, they had less sense of ownership and buy-in regarding decisions and the procedures for implementing any job losses.

Dr Ashman added: “Given the often long history of managing downsizing change in private sector organisations, these envoys had more personal experience of making people redundant and were therefore more comfortable and confident in carrying out the job with more mechanisms in place to support them.”

Envoys in the public sector also reported feeling more isolated, and media coverage and political influences made it more difficult to communicate downsizing messages. This hampered the ability of public sector envoys to do their job.

John Taylor added: “Acas has considered the research findings carefully and produced practical guidance for employers which focuses on the factors employers need to consider to ensure that the envoy role receives the support it needs. This includes how to select the right person for the job based on our wider experiences and the research findings.”

Stunning new images of the Sun revealed

The University's prestigious research programme with NASA and the Harvard Smithsonian Center for Astrophysics reached a new high point in 2012 with the release of stunning new images of the Sun's outer atmosphere (corona).

The project saw the brand new Hi-C telescope launched by an international team of scientists and engineers during July 2012 from White Sands Missile Range in New Mexico, USA.

The mission had just 620 seconds for its sounding rocket flight but in that time scientists observed the fundamental structures of the Sun for the first time.

Dr Robert Walsh, University Director of Research, said: "These first images taken by the Hi-C camera are truly awe-inspiring and have surpassed our expectations.

"We are now able to analyse structural aspects of the Sun at a level of complexity we've never been able to achieve before. The image quality is comparable to looking at a reflection in a steamed up mirror and then wiping it clean to reveal the true detail.

"Findings from the Hi-C Mission will help us to understand the outer atmosphere of the Sun, learn more about the electrified gases that erupt from it along with the mechanisms that generate the energy it releases; all of which have knock on effects on Earth."

He explained further: "There are other instruments out there looking at the Sun, however none of them provide a resolution as high as those taken by Hi-C. As a University we are extremely proud that our physicists and engineers have played an integral part in developing the Hi-C camera alongside NASA and Harvard colleagues. Ultimately we are here because the Sun is here, and understanding its activity is vital."

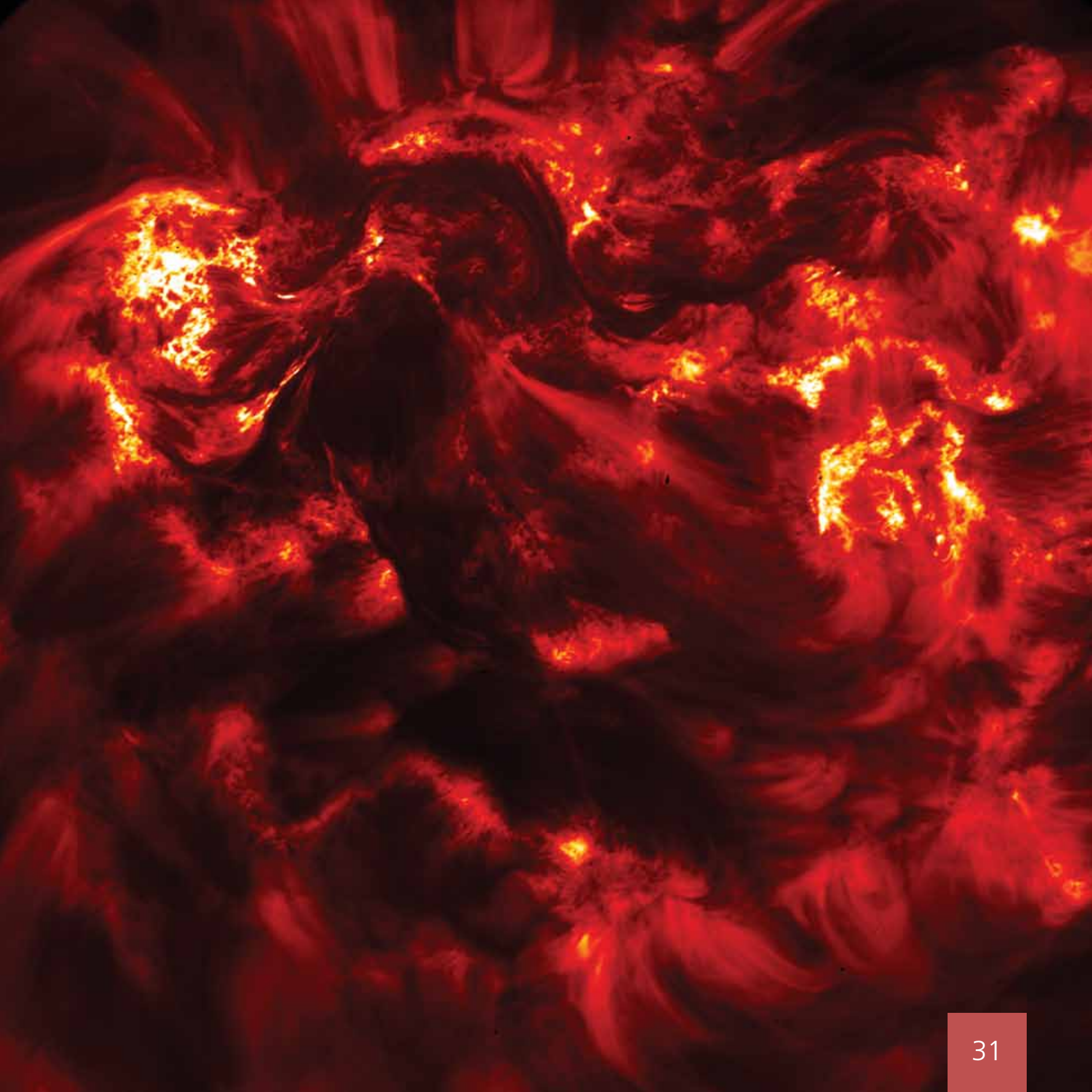
Dr Jonathan Cirtain, NASA Marshall Space Flight Center Senior Heliophysicist, added: "We had the right instrument and launched at the right time. Because of the intense solar activity we're

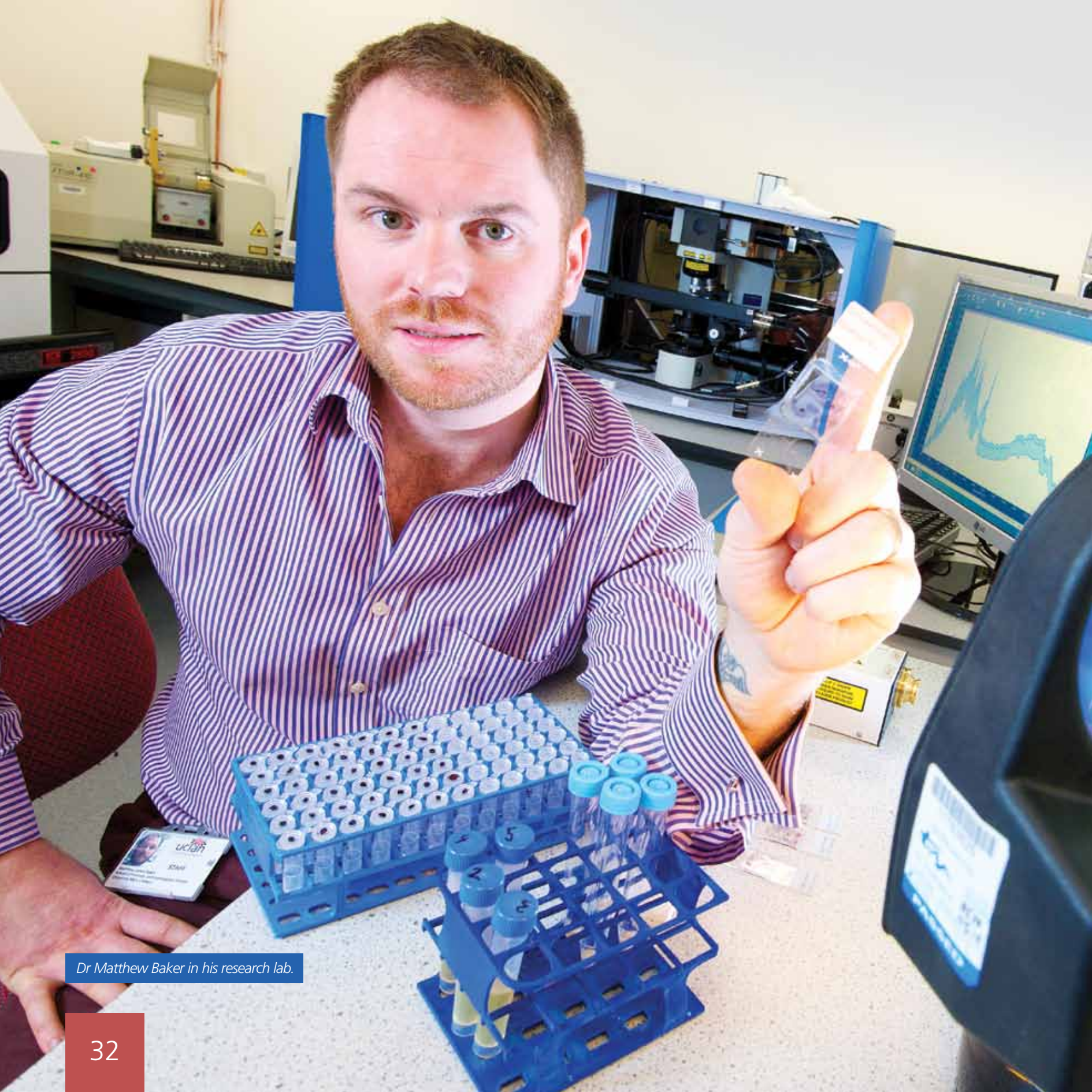
seeing right now, we were able to clearly focus on a sizeable, active sunspot and achieve our imaging goals."

During its brief 10 minute flight outside the Earth's atmosphere, Hi-C focused on a large active region on the Sun near sunspot NOAA 1520 located close to the centre of the solar disc as viewed from Earth. Hi-C's resulting high resolution snapshots reveal detailed tangles of magnetic field, channelling the electrified gases (plasma) into a range of complex structures.

Dr Walsh concluded: "The Hi-C observations zoom in on the processes we could only theorise about until now. These are processes that are fundamental to the workings of the solar atmosphere and all of space weather, and crucially they apply at any other sun-like star. The Hi-C images demonstrate that we now have the technology to unlock the mysteries of the Sun's violent atmosphere."

"We are now able to analyse structural aspects of the Sun at a level of complexity we've never been able to achieve before. The image quality is comparable to looking at a reflection in a steamed up mirror and then wiping it clean to reveal the true detail."





Dr Matthew Baker in his research lab.

Cutting the mustard

New research reveals how plants could be used to detect potentially dangerous nerve agents.

A UCLan chemist, in collaboration with colleagues from the Defence Science and Technology Laboratory (Dstl), Porton Down, has discovered that plants can be used to detect potentially dangerous nerve agents.

Dr Matthew Baker, UCLan's Senior Lecturer in Toxicology and Analytical Chemistry, and Dstl expert Matthew Gravett, have found that toxic substances can be absorbed by mustard plants allowing the nerve agents to be extracted and analysed.

Nerve agents are extremely toxic substances banned by the Chemical Weapons Convention (CWC) which prohibits the production, acquisition, transfer or use of chemical weapons. The scientists found that certain plants, such as mustard, can absorb the nerve agent from contaminated soil which can then be extracted from the plant using ethanol.

Accurate identification of chemical warfare agents (CWAs) is an essential tool for verification of compliance to the CWC, but detection is often difficult as the chemicals can be absorbed by soil or washed away by groundwater.

The scientists found that vegetation can also act as a time capsule, where key markers of the nerve agents may remain in the plants for up to 28 days, allowing a longer time window for scientists to detect, analyse and identify CWAs.

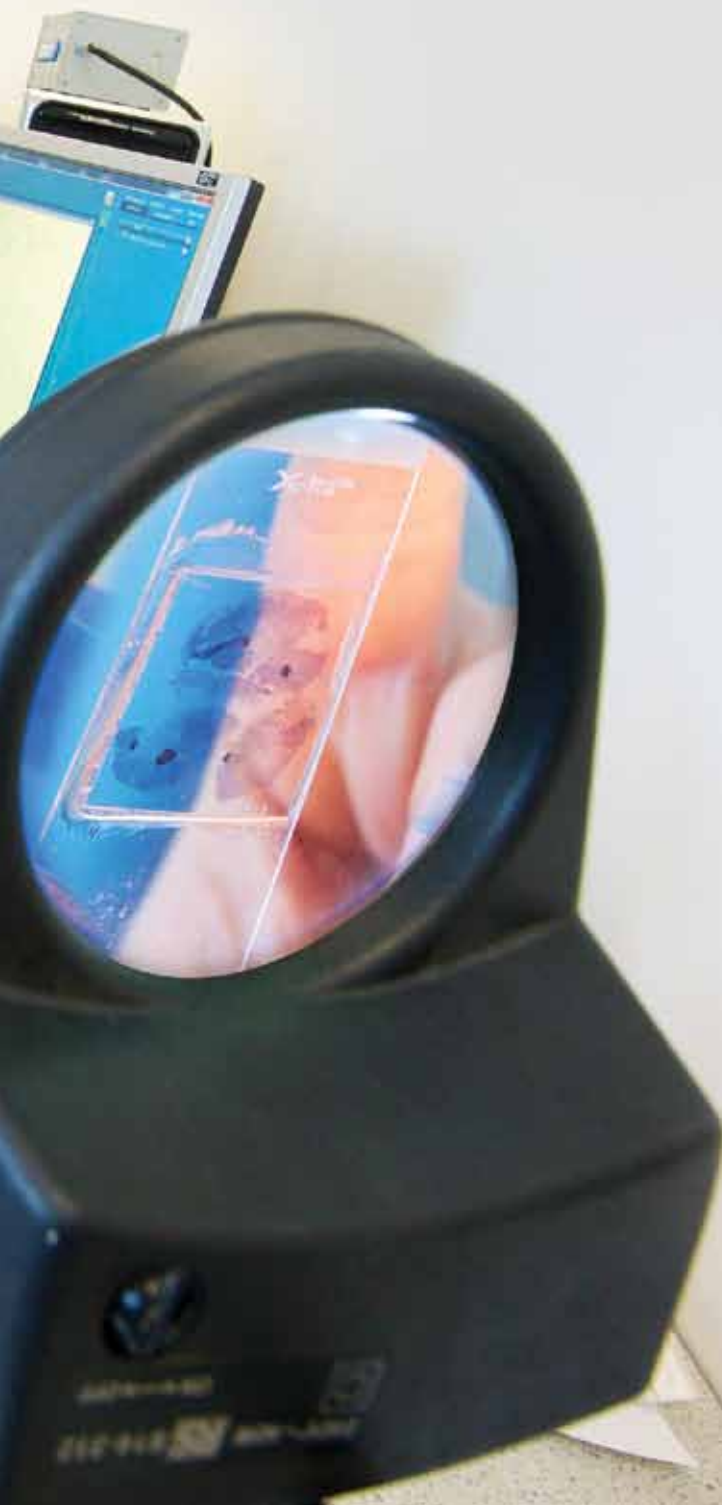
Dr Baker commented: "This is an exciting discovery and extends the window for analysis. The excellent partnership between UCLan and Dstl is providing important results that impact in the international arena."

Dstl's Matthew Gravett added: "This research will improve our sampling and analysis capability and provide the UK and international scientific community with a more effective way of detecting chemical warfare agents."

Hilary Hamnett, a toxicologist at Environmental Science and Research in New Zealand, praised the work and particularly its ease of use. She said: "Chemical weapons are a very real and deadly threat. This work outlines a simple and elegant method for analysing evidence left behind by their use or manufacture."

The researchers are now looking to extend their research, looking at different soils and ways of extending the nerve agent detection period. They also plan to investigate how the nerve agents interact with the plant's enzymes, with the aim of using the plant's uptake of nerve agents as a soil remediation technique.

"The excellent partnership between UCLan and Dstl is providing important results that impact in the international arena."



Combating child malnutrition through charity partnership

The shooting of the schoolgirl Malala Yousafzai exposed the political, economic and cultural challenges that some young Pakistani girls face as they try to gain an education.

The University, together with its longstanding partner the Abaseen Foundation, is currently working in the Khyber Pakhtunkhwa region – where the shooting took place – to tackle various issues including health, malnutrition and education.

For over 10 years UCLan has collaborated with the Lancashire and Pakistani-based charity undertaking research that underpins the charity's service developments to improve access to good quality and affordable healthcare, education, and to seek solutions to chronic malnutrition which affect quality of life amongst the population.

UCLan's nutritional science specialist Dr Nicola Lowe and Helen Bingley, a Founder Trustee of the Abaseen Foundation, continued their research in Pakistan during 2012.

Dr Lowe is leading on the project, funded by The Wellcome Trust, to explore the role of the Jirga (a traditional tribal judicial system comprised of male community members) in engaging the community with health and nutrition related research, and in setting a research and development agenda that meets the needs and priorities of the community, especially those of the mothers and children.

She commented: "Following the results of the National Nutrition Survey Report 2011, showing 48 percent of the child population in Khyber Pakhtunkhwa in North West Pakistan had stunted growth as a result of chronic malnutrition, the extent of the issue became apparent.

"Our project aims to employ community engagement techniques to enable sustainable intervention strategies to be devised that improve community health and wellbeing. Our proposed approach is unique, in that it seeks to capitalise on a local culturally-embedded means of community engagement to introduce research into a community."

In addition, the projects conducted by the Abaseen Foundation and supported by UCLan aim to integrate health, hygiene and nutrition education within schools and community groups

to make an impact on the diet and health of mothers and children.

The charity currently supports and operates two primary schools and two healthcare facilities serving some of the poorest communities in Khyber Pakhtunkhwa, including a community that live and work on a brick kiln close to Peshawar.

Dr Lowe added: "This project is very close to my heart and it is a privilege for us at UCLan to be continuing our work with the Abaseen Foundation. Our goal is to help eliminate malnutrition and improve the infant mortality rate whilst providing education for young people living in some of the poorest communities in the world. It is of fundamental importance that children get the right balance of nutrients in order to concentrate and learn. Only then can they achieve their full academic potential."





Pictured opposite: Dr Nicola Lowe (left) and Helen Bingley (right) at work in Pakistan.

Shining a light on dark tourism research

Have you ever wondered why tourists feel compelled to visit former battlefields, slavery-heritage attractions, Ground Zero or Holocaust sites like Auschwitz?

This is a key question being explored by UCLan's Institute for Dark Tourism Research (iDTR), a world-leading academic centre for dark tourism scholarship, research and teaching.

The Institute was launched in 2012 by Dr Philip Stone and Professor Richard Sharpley who define dark tourism, often referred to as 'thanatourism' in academic literature, as the act of travelling to sites, attractions and exhibitions of death, disaster or the seemingly macabre.

"Essentially, dark tourism can range from any site, which is purpose built or otherwise, that attracts paying or non-paying visitors, and which has real or simulated death, pain or suffering as the main 'attracting theme'," said Dr Stone. "Examples and the complexities of dark tourism are numerous and may include a diverse mix from the Killing Fields of Cambodia, Auschwitz-Birkenau and Ground Zero, to purpose built centres such as the London Dungeon."

Importantly, dark tourism has historical pedigree and has arguably occurred ever since people have had the means and motivation to travel for leisure. Early dark tourism might have constituted attendance at Roman gladiatorial games, or spectator events at medieval executions, or undertaking morgue tours of 19th century Europe, or even touristic visits to

battlefields such as to Waterloo or Gettysburg in the immediate aftermath of the conflicts.

While media interest in the concept of dark tourism continues to grow, to date, academic literature on the subject remains eclectic and theoretically fragile. Academic and industry partners of iDTR originate from institutions and organisations around the world and are crucial in helping identify and examine the diverse research issues inherent within dark tourism, heritage, and memorialisation studies.

"The iDTR aims to provide an ethical framework to look at the packaging and commodification of death," added Dr Stone. "People can dismiss the act of visiting places of death and disaster as voyeuristic and macabre. But what are the consequences of people visiting these sites?"

"Our research aims to shine a critical light on dark tourism activities. In so doing, we are providing a lens through which life and death may be glimpsed while helping inform the appropriate development and management of these important sites and attractions."

"Examples and the complexities of dark tourism are numerous and may include a diverse mix from the Killing Fields of Cambodia, Auschwitz-Birkenau and Ground Zero, to purpose built centres such as the London Dungeon."



Dr Philip Stone.





Transforming
today's raw talent into tomorrow's
skilled workforce and entrepreneurs.



Titan the Robot was a star attraction at the Lancashire Science Festival.

Impacting lives, transforming our future

A recent report by the Lords Science and Technology Committee concludes there is an annual shortfall of 40,000 science, technology, engineering and maths (STEM) graduates in the UK. It's a message which is not lost at UCLan and for many years the University has been following a strategy of creating imaginative, award-winning outreach programmes to inspire and encourage a new generation of scientists, engineers and technologists.

In 2012 over 5,000 school children of all ages attended UCLan's inaugural Lancashire Science Festival; an imaginative and engaging blend of education and entertainment. Open exclusively to primary school groups on day one, the event catered for secondary school and college groups on day two, while the final day was billed as open access for the general public.

The theme of the event was 'reality' with a focus on showcasing the 'real-life research' which takes place at UCLan and in the region. This included contributions from UCLan researchers, guest performers, local businesses and professional bodies, complemented by a science show floor of drop-in, interactive stands and demonstrations.

Along with 13 expert speakers, visitors experienced a close encounter with the awe-inspiring robot Titan, uncovered the science behind magic illusions, discovered the secrets of alien invasion survival and built and explored a 3D galaxy.

Dr Jo Heaton-Marriott, Science Festival Director and Public Engagement Manager, said: "The event was a huge success because there really was something for everyone. We used the broadest possible definition of science to include technology and engineering, health, psychology and even selected areas of art and design to show the limitless possibilities of science and science careers."

Although UCLan places a strong emphasis on encouraging those in the UK to take up the science baton it also retains an international dimension to its outreach strategy.

This was clearly demonstrated through an ambitious initiative to set a new world record for the greatest number of water-powered bottle rockets to be launched over a 24-hour period. The project aimed to raise awareness of the NASA-UCLan Hi-C Mission and to highlight the world-leading research taking place at UCLan.

Rockets were launched at over 200 sites, including NASA's Marshall Space Flight Centre in Alabama, the Boston Children's Museum and the Science Museum of Virginia. Many schools in European countries took part including one in Finland which recorded 200 bottle launches. Further afield rockets were launched in South Korea, Indonesia, Kenya, New Zealand, China and Australia. The final number of successful launches was 2,575, smashing the target of 1,000 that Guinness World Records required.

Dr Heaton-Marriott added: "Of course we were thrilled to achieve the world record but what's really important in all this activity is getting students out of school to talk and listen to people in and around science and technology and experience it for themselves. At UCLan we are very much focussed on enthusing students about the real world application of science and technology. In the years to come these young minds will be vital if we are to compete at a global level."

"What's really important in all this activity is getting students out of school to talk and listen to people in and around science and technology and experience it for themselves."

Stealing the show

Year after year UCLan fashion programmes continue to take centre stage. How do they do it?

For many years the University has been recognised as one of the top three institutions for fashion in the UK. It's certainly not something which happened overnight; for over 40 years the courses have been building a worldwide reputation because of the quality educational experience provided.

Crucial to this is the work placement element which enables students to put theory into practice within a commercial setting. A network of nearly 200 top industry contacts such as Coast, Burberry, Levi, Oasis and Reebok help to provide UCLan students with meaningful work experience opportunities and enable the University to stay at the cutting edge of industry developments internationally.

Every year this educational philosophy translates into major industry awards and 2012 was no exception. At Graduate Fashion Week, where people viewed the collections of more than 1,200 undergraduate fashion students, UCLan students took centre stage. By winning four awards and being shortlisted for an incredible seven, they continued the University's run as one of the most successful UK universities in the event's 21 year history.

Fashion design Xiaoping (Fiona) Huang was handed the Zandra Rhodes Catwalk Textiles Award for her work, described by online fashion site The Style Column as a '3D zig-zag extravaganza that made it one of the most memorable pieces of the day'.

The 26-year-old from Guangdong, China, commented: "The inspiration behind my work was an accordion that I bought from a flea market. The idea gives the collection a boxy look. I am extremely pleased to win this award and the recognition it brings from highly respected judges within the industry."

Fellow fashion students Ami Collins, Hayley Oldfield and Hollie Reid were also recognised for the quality of their work with the Fashion Innovation Award, the Per Aquum Marketing Award and the Barclays New Business Idea Award respectively.

UCLan's Claire Acton also impressed the judges with her collection of dresses printed with faces and integrated with a clever twist on hair and fringes. She was a runner-up for the prestigious Gold Award, sponsored by George with a £20,000 prize, and for the best womenswear title.

Fashion guru Hilary Alexander praised the UCLan students' work in her Daily Telegraph column. She wrote: "The University of Central Lancashire stole the show with a standout collection from 17 graduates which included Claire Acton's rainbow-parade of fringing and faces; Emma Guilfoyle's twisted take on heritage in which images of the Iron Lady and Churchill were mixed with patchwork tweed; and Xiaoping Huang's concertina-pleated extravaganza in a mix of music-sheet print and bold colour."

Glenda Brindle, Dean of the School of Art, Design and Performance, commented: "The UCLan fashion courses have a worldwide reputation for encouraging students to be both individual and innovative with the ability to blend creative freedom in response to market awareness. The key for us is to keep students constantly learning so they are stretched and challenged on a daily basis."

Many UCLan graduates now have successful labels including PPQ, Preen, Retro Clothing, 6876 and Dead on Arrival. It is for this reason the University has such a high standing with today's fashion industry, which has continued its support through the industrial work placement element of the course since the 1960s.

Glenda added: "Behind many fashion labels you will find a UCLan graduate be it at Ted Baker, River Island or Next. Over the years we have remained true to our educational values and I feel confident that the new generation of students coming through have every chance of emulating the achievements of our successful alumni."





UCLan to become new breeding ground for social entrepreneurs

Social entrepreneurship is a rapidly growing movement within the higher education sector and over the past three years UCLan has seen a steady increase in the number of its students, staff and graduates starting new businesses, many of which are social enterprises.

It's an area where UCLan is looking to develop further having been chosen as a key partner of a national programme which aims to strengthen support for social entrepreneurs throughout the university sector.

Coordinated by UnLtd, the leading provider of support to social entrepreneurs in the UK, the project aims to develop support structures at UCLan which place social entrepreneurship at the heart of the University's culture, as well as giving staff and students the chance to start up their own social ventures.

UCLan is one of only 54 universities in England to partner with UnLtd on the initiative which invests directly in individuals and offers a complete package of resources including awards of funding, ongoing advice, networking opportunities and practical support.

Already UCLan has a wide range of initiatives in place which incorporate a social enterprise element with more to follow. Central to the success of these developments is skilled undergraduate and graduate talent. A fine example is the University's Centre for Volunteering and Community Leadership. In the past decade the Centre has supported over 7,000 volunteers who have contributed over £8 million to the local community in volunteer time alone and attracted over £3 million in external funding for local community projects.

The University also runs a legal advice clinic for staff and students which is operated by post-graduate students currently enrolled on Lancashire Law School's Legal Practice Course. The School is actively investigating ways of expanding this service, offering legal advice to the wider public in Preston, a move which will extend the number of students able to take advantage of the tremendous employability benefits of providing 'live' legal advice.

The University's Innovation Clinic is run by engineering staff and supervised students from across UCLan. The initiative advises individuals and SMEs on their ideas, helping them with business advice, prototype manufacture, market placement and ultimately working alongside them to create jobs in Lancashire.

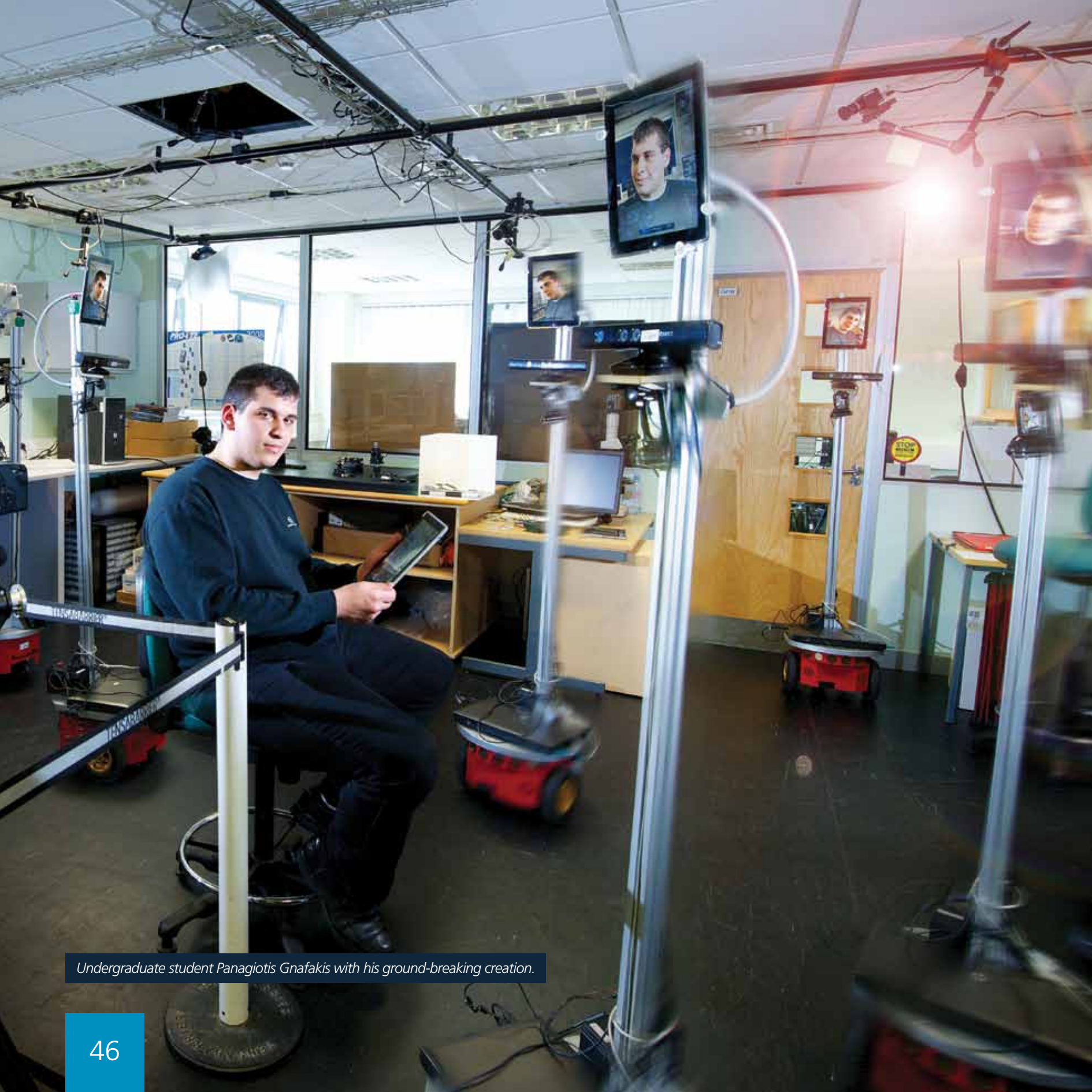
Deputy Vice-Chancellor Professor Dave Phoenix said: "We have been harnessing the tremendous skills infrastructure in and around UCLan for a number of years but the new support available from UnLtd will extend our ability to develop all formats of social enterprise.

"We strive to be central to the Lancashire community - that is what underpins our success. Nurturing a culture of social entrepreneurship among our staff and students, particularly in the current economic climate, is more important than ever and will be a key feature in our future development."

"Nurturing a culture of social entrepreneurship among our staff and students, particularly in the current economic climate, is more important than ever and will be a key feature in our future development."



Staff and students at work from UCLan's Centre for Volunteering and Community Leadership.



Undergraduate student Panagiotis Gnafakis with his ground-breaking creation.

Robot that can teach us all a lesson

It may not look like a university lecturer, but a robot designed by an undergraduate student from UCLan could be the teaching aid of the future.

MAKIIS, which is also an acronym for Makroskopik Intelligent Interaction System as well as a popular name for boys in Greece, is a prototype 'telepresence' robot which allows people to interact with others anywhere in the world. It is believed to be one of the world's first robots that can provide enhanced human-like interaction and presence at a distance.

Inspired by the Sheldonbot from the hit US comedy 'The Big Bang Theory', this groundbreaking robot created by undergraduate robotics student Panagiotis Gnafakis brings a whole new meaning to the term distance learning.

Moving on wheels and projecting live video of the lecturer via the 'face' of the robot, the droid can help a teacher deliver seminars, show slides, share ideas with students, and answer questions as if he or she was right beside them.

According to Panagiotis the telepresence robot represents a leap into the future because for the first time it can mimic human behaviour. MAKIIS is also the world's first robot of this type which 'sees' like a human and instantaneously allows people to transport their 'presence' to another location.

Instead of using bat-like ultrasonics to avoid bumping into things MAKIIS is equipped with a 3D camera – adapted from the Kinect Sensor of a Microsoft Xbox – allowing it to judge the distance of obstacles and prevent it from colliding with them.

Panagiotis, who spent six months and 400 hours building the robot at a cost of £4,000, said: "My robot has been designed to mimic human behaviour as much as is possible. The robot has two features which have never before been integrated on a telepresence robot.

"Some telepresence robots are little more than Skype on wheels, but MAKIIS hears when someone talks and will turn to face them."

The concept was born from Panagiotis' discussions with Senior Lecturer in Robotics Engineering Phil Tranter, who visits countries across the globe as part of the University's international partnership arrangements. A robot with the features of MAKIIS would enable him to communicate with UK-based students in a much more engaging way than teleconferencing could ever hope to achieve.

Phil said: "A lot of experts believe telepresence robots could have a hugely significant role in the way businesses operate in the future.

"As MAKIIS can imitate human behaviour we think this pioneering invention could be a perfect fit for education. In my view a robot cannot replace the benefits of real human interaction but it could certainly be a valuable tool for the modern day teacher who is lecturing and providing feedback to students all over the world.

"There are several companies in California manufacturing these robots commercially, but none of them have the features developed by Panagiotis."

Panagiotis, a final year student studying Robotics and Mechatronics, said: "The commercial and personal uses for a telepresence robot like this are almost endless. They could be used for businesses to communicate across the world, as well as for teachers, doctors and lecturers."

Panagiotis' passion for robotics started as a young boy in Greece: "Since I was seven-years-old I'd take my toys, break them up and put them back together to make new toys," he explained. "My friends and teachers would ask me what I wanted to be when I was older and I always said a robotics engineer, but they never believed in me. Now I'm showing them that it can be done."

The availability of this comparatively cheap, yet advanced, technology will see an acceleration of these robotic innovations as students and engineers become more creative and confident. These are the apps of the future and UCLan is at the vanguard of their development.

UCLan entrepreneurs at national forefront

The University's established reputation for creating and nurturing graduate start-up businesses is attracting recognition at the very top through none other than David Cameron.

The Prime Minister met some of UCLan's graduate entrepreneurs at the University's business incubation facilities, chosen as the venue to announce a recent £30 million boost to the Government's Start-Up Loans scheme.

It's not difficult to see why the University is attracting such influential attention. Despite the difficult economic trading conditions businesses set up by UCLan's student and graduate entrepreneurs continue to flourish.

In the 2012 Higher Education Business and Community Interaction Survey UCLan was named the top North West University, and among the top three nationally, for producing student and graduate start-up businesses. The survey also revealed that UCLan tops the table nationally for sustainable graduate start-up business with an impressive 77 percent still trading successfully after two years.

2012 saw the formation of 158 student and graduate businesses, many using UCLan's various incubation units and comprehensive business support services based across the University's Preston, Burnley and Westlakes campuses.

Peter Rawling, UCLan's Business Incubation Manager, said: "We are of course delighted that our success is being recognised at the very highest level. This is a great achievement for our students and graduates; it clearly demonstrates their tenacity and commitment in starting a business or new enterprise in these tough economic times."

Frank McKenna, Chairman from the influential lobbying group Downtown Preston in Business, added: "News of UCLan's success in this survey characterises the entrepreneurial spirit I have seen throughout the University and via its students. The future development of the

economy relies on the entrepreneurialism and commitment of future generations making that step and joining the business community, across the North West and beyond."



“News of UCLan’s success in this survey characterises the entrepreneurial spirit I have seen throughout the University and via its students.”







Shaping

the global citizens of the future through our international network of partners, campuses, business and education links.

From Preston to Pyla: Cyprus Campus becomes reality

Completed on time and on budget, UCLan's Cyprus Campus opened its doors to students for the first time in October 2012.



Constructed to the highest UCLan specifications and providing students with a gateway to a UK-standard Higher Education experience, UCLan Cyprus is the first British university to offer joint UK and Cyprus degree programmes of study. The degrees are recognised by the UK Quality Assurance Agency, the Ministry of Education and Culture in the Republic of Cyprus and the Cyprus Council for the Recognition of Higher Education Qualifications.

Deputy Vice-Chancellor Professor Dave Phoenix said the University's strategic vision for UCLan Cyprus was to build a leading, modern university with a global reach at the crossroads of the three continents of Europe, Asia and Africa. "It says much for this University's pioneering, entrepreneurial spirit that we have become the first British University to operate in Cyprus through our own, new, privately built campus," he explained. "We are offering premium, British higher education and the highest standards in every aspect of operations, to meet the needs of our students, the community, and Cyprus' economy."

Professor Phoenix added: "In line with our educational philosophy in Preston, we will create global opportunities for our students, we will engage with industry and we will achieve recognition for our commitment to outstanding research and innovative teaching and learning."

Already, the quality of the campus' infrastructure has been recognised at the prestigious Europe, Middle East and Africa (EMEA) InAVation Awards.

UCLan Cyprus won the sought-after title of 'Most InAVative Education Facility' and in doing so triumphed over 30 competition entrants as well as shortlisted projects from four other university finalists based in England, the Republic of Ireland and Russia.

Dr Lee Chatfield, Rector at UCLan Cyprus, added: "The vision for UCLan Cyprus includes the provision of high quality and future proof IT and AV facilities to support the learning needs of our students as they study for careers in the technologically demanding environment of the future.

"We are extremely proud to have created the best IT/AV and on-line resources on the island and in Europe. Judging from the feedback, our facilities are proving hugely popular with students and staff alike."

MBA student Liene Vitola-Evele has been greatly impressed by all aspects of the campus. "When it came to choosing where to study for my MBA I did a lot of research. Deciding to study at UCLan Cyprus was definitely the best option for me. Highly skilled and professional lecturers coupled with well prepared study material and a very individual attitude to students, are just a few of the many advantages UCLan Cyprus has to offer. The whole experience has been topped off by the brand new modern campus which is a real beacon for the area and which all the students are enjoying immensely."

Dr Chatfield added: "A great many people, Cypriot and British, have worked tirelessly over the past four years to bring about the opening of UCLan Cyprus. However, this is only the beginning. The campus will develop, more courses will be added to our portfolio and our research centres will reach out into new fields. Our reputation and success will grow as people learn about the world-class experience we are already providing today."



Language of learning

International engineering student excels in global competition.

At all levels of academia it is becoming increasingly important for researchers to explain complex ideas in a way that is accessible to non-specialists. In 2012 a Chinese PhD student from UCLan proved that language is no barrier to the development of exceptional science and engineering communication skills.

Lili Tao, who is originally from Beijing, China, graduated from her undergraduate course in Digital Signal and Image Processing in 2010 with a first class honours degree.

Now engaged in a number of research projects for her PhD, Lili specialises in the area of computer vision. It was on this subject that she entered a worldwide competition run by the Institution of Engineering and Technology (IET) enabling 18 - 26 year old engineers to demonstrate their presentation and public speaking skills.

Having won both the local North West and UK heats, Lili took up her place in the 'Present Around the World' competition's global final in

London where she represented the UK against fellow finalists from the Americas, Asia Pacific, South Asia, Europe, the Middle East and Africa.

Individual competitors gave a 10 minute presentation in English on an engineering or technology subject of their choice in front of an audience and a panel of judges, followed by a five minute question and answer session.

Lili performed exceptionally well in the final and her efforts were rewarded through a runners-up position. Commenting on the experience she said: "I entered the competition because I thought it was a good opportunity to present my research and let others know that engineering is not just boring mathematics and programming, it can also be fun.

"Good presentation skills are essential to success. In today's corporate world, success is strongly related to the ability to influence others and therefore we should also be able to present well."

Lili's PhD supervisor Dr Bogdan Matuszewski commented: "I am delighted that Lili did so well in the competition.

"Lili's research involves one of the fundamental problems in computer vision; she is developing algorithms which could enable computers to build a three dimensional representation of a two dimensional environment, displayed in a video sequence for instance. This is a very difficult problem to solve and demands a high level of analytical and programming skills. Lili has shown that she can not only solve such problems but also explain related, often complex, ideas in a way that is accessible to non-specialists."

John Cowburn, Chair of the Institution of Engineering and Technology (Lancashire and Cumbria Local Network) added: "We were really impressed with Lili's presentation. She is a confident and engaging presenter and it is no surprise that she did so well in the final."

"Lili's research involves one of the fundamental problems in computer vision; she is developing algorithms which could enable computers to build a three dimensional representation of a two dimensional environment."

rigid Structure from



PhD student and expert communicator Lili Tao.

Unique international partnership reaffirms ethos of global student experience

UCLan's long standing academic partnership with Guangdong University of Foreign Studies (GDUFS) was celebrated in 2012 at a spectacular alumni event held at GDUFS.

Joining the GDUFS alumni was UCLan Vice-Chancellor Malcolm McVicar who along with a delegation of UCLan staff helped to celebrate the partnership which has so far seen over 1,000 students successfully obtain UCLan-validated bachelor degrees.

Of these students, over 300 have continued to study for postgraduate qualifications at UCLan while over 100 GDUFS secondees have visited the University to undertake research and further studies.

Commenting on the collaboration the Vice-Chancellor said: "UCLan and GDUFS have been partners for many years. This is a milestone for our past relationship but it also cements our partnership as we go forward into the future.

"We are exploring how we develop our bond further in terms of research, joint PhDs and extending programmes.

"One of the things we are both committed to is a global experience for today's students so we are discussing the prospect of deepening and broadening our relationship."

Professor Zhong Weihe, President at GDUFS, added: "UCLan is one of the most important partners to GDUFS. In the future there will be many more educational initiatives through the upgrading of our bachelor degree programmes to joint-Masters and joint-PhD programmes. There will be more students and more teachers benefitting from co-operation at our two universities."

Attending the event was Liu Yuyan, a former International Business student who graduated in 2012. The young entrepreneur described how he had benefitted from the partnership: "The teachers are great," he said. "They are considerate and they care about us a great deal. Importantly we learnt a lot and this has provided me with many opportunities. For instance I've used the skills developed from one of the course modules to open my own business trading in luxury goods between the UK and China."

Alastair Morgan, British Consul-General in Guangzhou, also spoke at the event saying: "In Britain we have the best universities in Europe and we're ranked just behind the United States globally. We have a huge resource that supports the whole economy.

"I think the ability of universities to commit and develop partnerships is very important and 20 years is quite a landmark for a collaborative programme. I really do congratulate UCLan on that feat."

UCLan's international partnership model was one of the first to be established in China and has set the standard for others to follow. GDUFS is one of the most prestigious universities of international studies in China and one of the key institutions of higher learning in Guangdong Province.







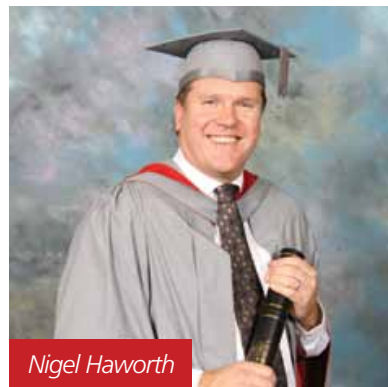
Jon Culshaw



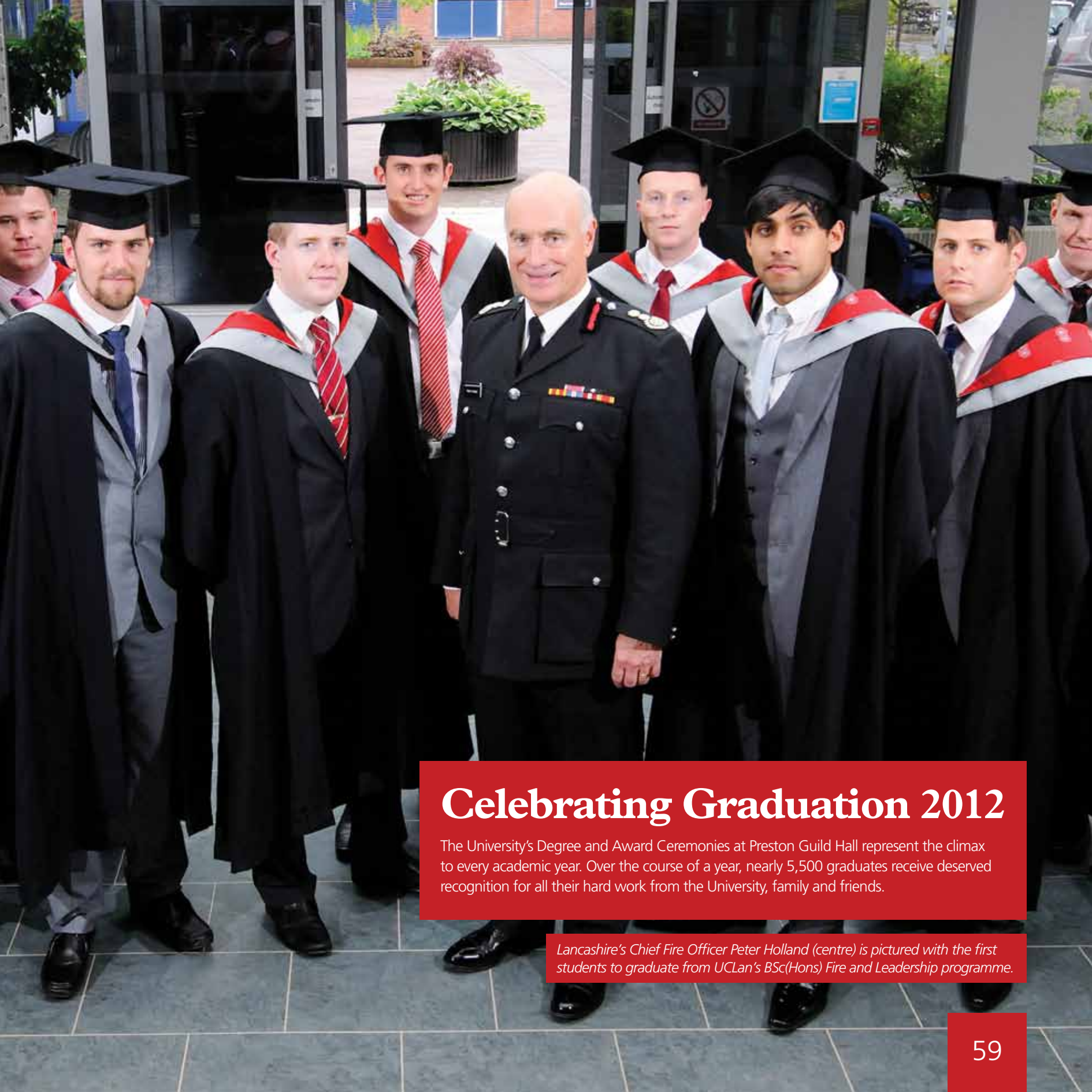
Lucy Meacock



Liz Dawn



Nigel Haworth



Celebrating Graduation 2012

The University's Degree and Award Ceremonies at Preston Guild Hall represent the climax to every academic year. Over the course of a year, nearly 5,500 graduates receive deserved recognition for all their hard work from the University, family and friends.

Lancashire's Chief Fire Officer Peter Holland (centre) is pictured with the first students to graduate from UCLan's BSc(Hons) Fire and Leadership programme.

Honorary Doctorates:



Dr Bharrat Jagdeo was awarded an Honorary Doctorate for his contribution to sustainability and environmental issues. In 1992 he became a Member of Parliament for Guyana before being appointed President in 1999. He spent more than a decade in charge but stood down to focus his efforts on the scientific, economic and social dimensions of climate change with special reference to Guyana in preserving the Amazon Rainforest.



Alan Roff received an Honorary Doctorate in acknowledgement of his dedication, commitment and significant contribution to the development and success of the University during his UCLan career. In 1983 he was appointed as Head of Computing Services before becoming Deputy Vice-Chancellor in 1995, a role he held until his retirement in 2011. During his time at UCLan he played a key role in developing higher education in East Lancashire and took on leadership roles for many influential regional bodies.

Honorary Fellowships:



Cliff Bashforth was honoured for his contribution to image consultancy. He started his working life in electrical retail but, after a spell with Wella, he created his image consultancy Colour Me Beautiful. During the past 24 years the award-winner has worked with many major companies, including British Airways, Marks & Spencer, Peugeot and Boots. Cliff has been recognised for his services throughout the industry and has recently conducted image consultation workshops and seminars for UCLan staff and students.



Lady Milena Grenfell-Baines received her award in acknowledgement of her support for activities in the Preston area and at the University through her links with the Royal Liverpool Philharmonic Orchestra. In addition, the University acknowledged her contribution to developments made in relation to international cookery. She has opened cookery schools, organised cooking events and written several books during her career.



Duncan Birrell was honoured for his significant contribution in both law and court practice. He has risen from prosecutor with the Crown Prosecution Service, where he prosecuted on the Morecambe Bay cockle picking trial, to Deputy District Judge. In more than 25 years he has been the advocacy assessor for Lancashire and Cumbria and was appointed to the Mental Health Review Tribunal. He has also given his time to support UCLan's law students.



Russell Hogarth was honoured for his voluntary work in support of the University with a particular focus on mental health issues. The Prestonian spent 25 years running his own companies but took early retirement to focus on charity work. He has volunteered for the Primary Care Trust, local schools, mental health charities and UCLan, where he has established service users and advisory groups and organises UCLan's annual mental health awareness film festival.



Professor Charles Davis was recognised for his contribution to neurosurgery and neuro-oncology. After undertaking his training in London he moved north in 1987 to become a consultant neurosurgeon at the Royal Preston Hospital. During his career he has been responsible for creating a neurosurgery centre of excellence and has become an esteemed member of research and working groups. He has also collaborated with UCLan, leading to his Honorary Clinical Professorship.

Honorary Awards 2012

During each graduation ceremony the University confers Honorary Fellowships and Doctorates on distinguished citizens who have made significant contributions to their field or who have strong links with the region.



Peter Hook was acknowledged for his contribution to the development of popular music as a musician, author and record producer. The celebrated bass player was a founder member of influential bands Joy Division and New Order. He was also co-owner of the legendary Hacienda Club which became the epicentre of the 'Madchester' music scene. He has recently published a book based on his Hacienda experiences and has toured the world with his new band The Light.



Charles Jackson was acknowledged for his significant contribution to British cycling. The Prestonian started competitive cycling at the age of 14 and soon gained regional and national success. He went on to spend more than 40 years in the recycling business but during this time he remained a keen leisure cyclist. The businessman became Vice-Chairman of British Cycling and his family business went on to sponsor the number one professional racing team in the UK.



Professor Thomasine Kushner was acknowledged for her significant contribution to the area of bioethics. During her distinguished academic and research career she has lectured at the University of Miami and University of California. The American philosopher, who has a special interest in international bioethics, has also published more than 40 articles, written numerous books and founded the leading Cambridge Quarterly of Healthcare Ethics journal.



Gulab Singh MBE was acknowledged for his contribution to equality and diversity issues and also voluntary work in Preston. The UCLan alumnus has spent more than 37 years working within the public health area for the NHS. He has also dedicated more than 35 years to undertaking voluntary work for community organisations and charities within the City, including the teaching of public health policy and linking in with UCLan's Healthy Settings Unit.



Terry Spall was recognised for his significant contribution to the field of automotive and mechanical engineering. The UCLan alumnus started his career with Leyland DAF and worked his way up to Vehicle Testing Manager before he moved to Nissan. The Lancastrian then progressed to LDV before moving to MIRA in 1995. He has been integral to the company's international development and in his current position of Commercial Director he has a leading role in the delivery of MIRA's £300 million technology park project.



Professor Shahram Tabibi was recognised for his contribution to the field of dentistry and also his contribution to the development of dentistry at UCLan. Since qualifying in 1974 he has built a career in general and cosmetic dentistry, undertaking specialist practice in the areas of oral surgery and implantology. He helped introduce the first clinical dental course at UCLan and then in 2006 assisted in establishing the University's Institute for Postgraduate Dental Education.



Michael Taylor was recognised for his significant contribution to the North West business and publishing industry. In 1988 the Lancastrian embarked on a career as a magazine journalist and worked in Australia and London before becoming editor of Insider, a Manchester-based business magazine. The award-winner has been a guest lecturer at UCLan and provided work placements to students. He recently left the magazine to create his own start-up events business.



Professor June Thoburn CBE was honoured in recognition of her significant contribution to the field of child welfare through research, teaching and practice. She qualified as a social worker in 1963 and progressed to teaching at the University of East Anglia in 1979. Born in Lancashire, she has now become one of the world's most eminent social work academics. She has held various chair, board member and trustee positions for national protection committees and charities.

Statistics, facts and figures

STUDENT AGE

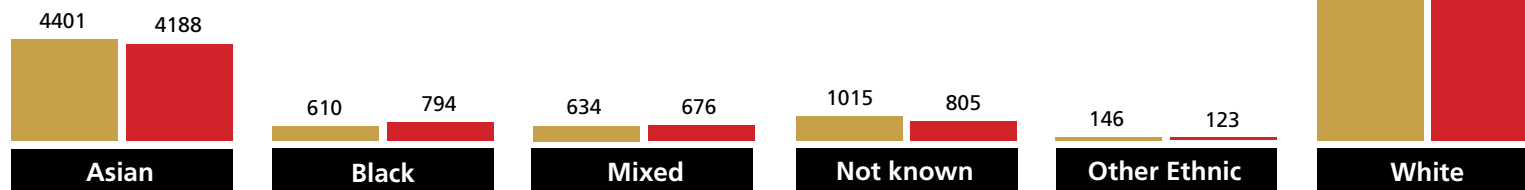
At 1st Sept	2010/11	2011/12
Under 18	42	41
18 to 20	11754	11841
21 to 24	7489	7771
25 to 29	3593	3495
30+	9339	8380
Unknown	3	1

LEVEL OF STUDY

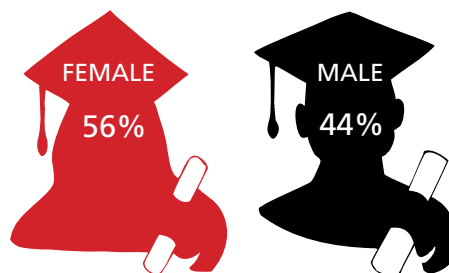


ETHNIC GROUP

■ 2010/11
■ 2011/12

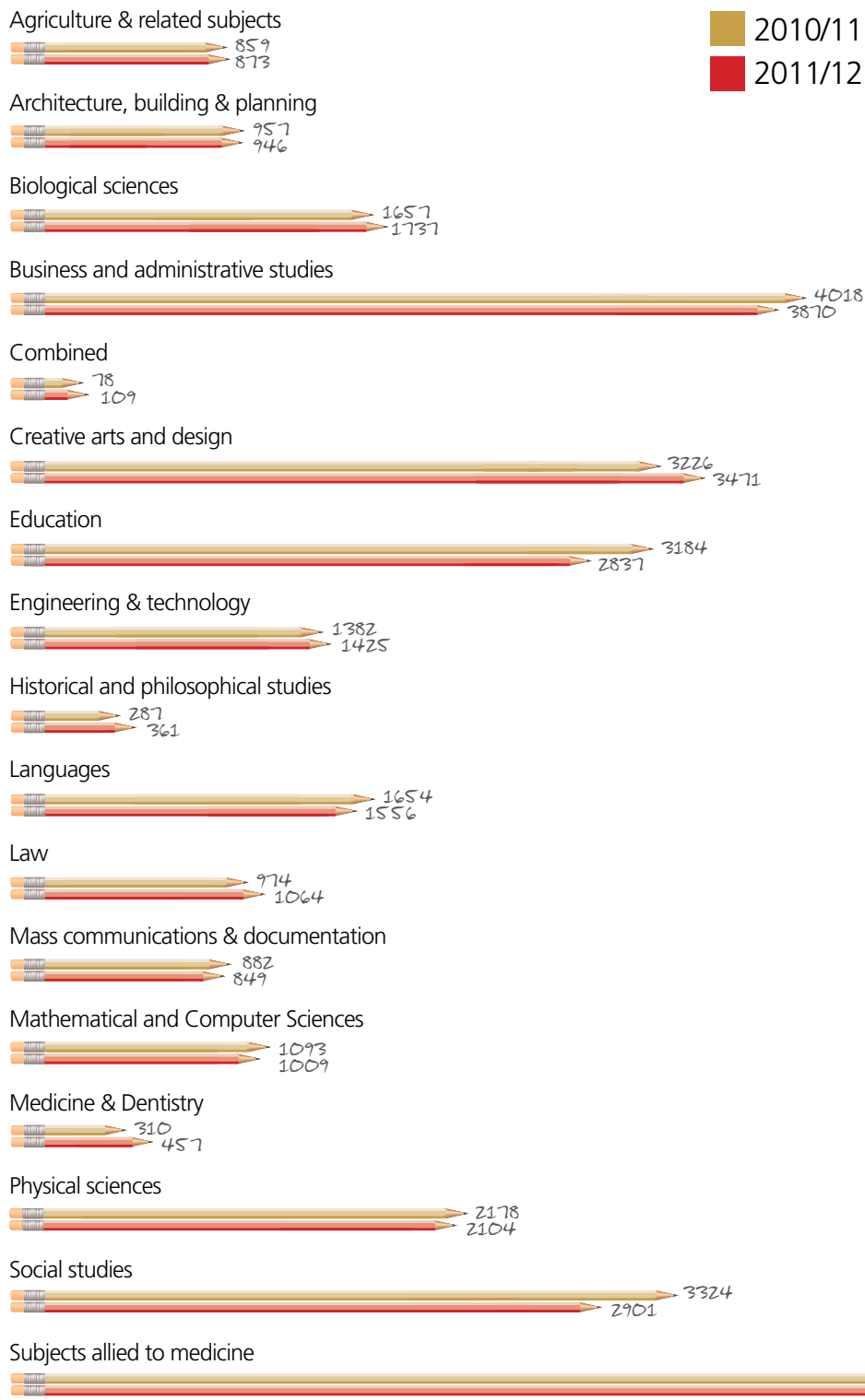


STUDENT GENDER 2011/12



Source: HESA Student Record

SUBJECT OF STUDY Grouped by principal study groups



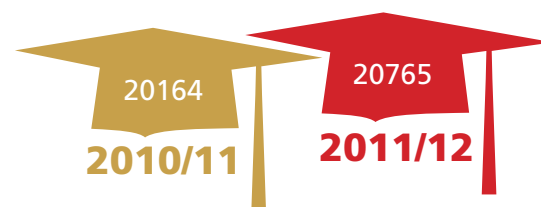
TOTAL STUDENT NUMBERS

2010/11 32220

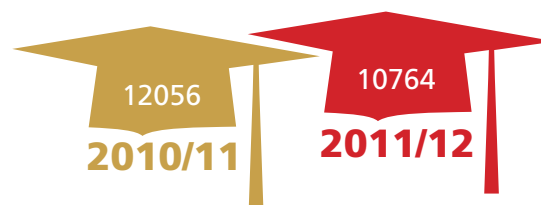
2011/12 31529

MODE OF ATTENDANCE

FULL-TIME AND SANDWICH



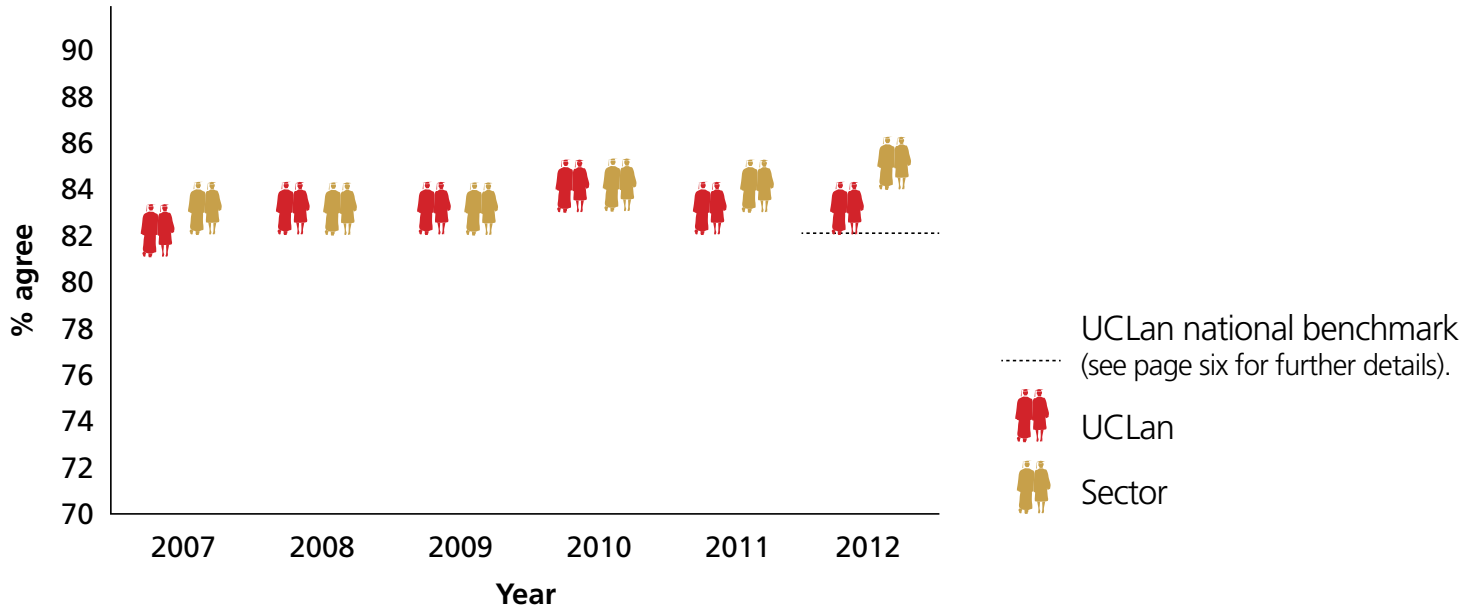
PART-TIME



NATIONAL STUDENT SURVEY

Question 22: 'Overall, I am satisfied with the quality of the course'

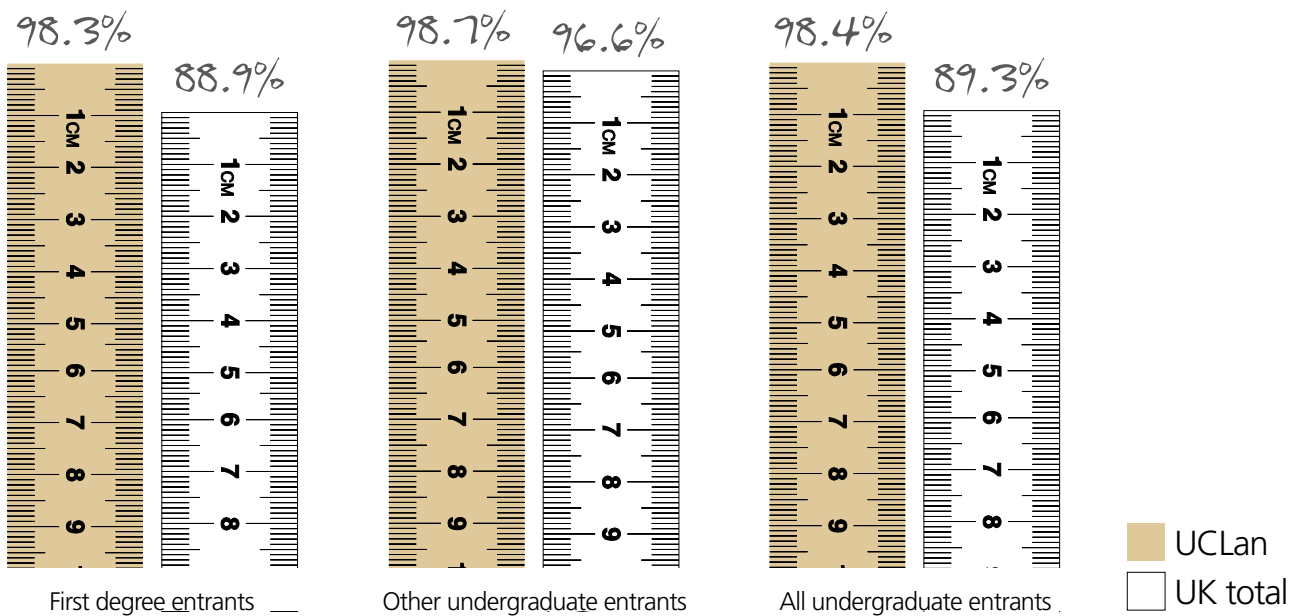
UCLan and Sector Comparison - 2007 to 2012



PARTICIPATION

Participation of under-represented groups in higher education

Percent of young full-time students from state schools or colleges - 2011/12 Entrants



STAFF

Data based on 1 August 2012 and includes hourly paid lecturers and casuals

Academic



Management



Support



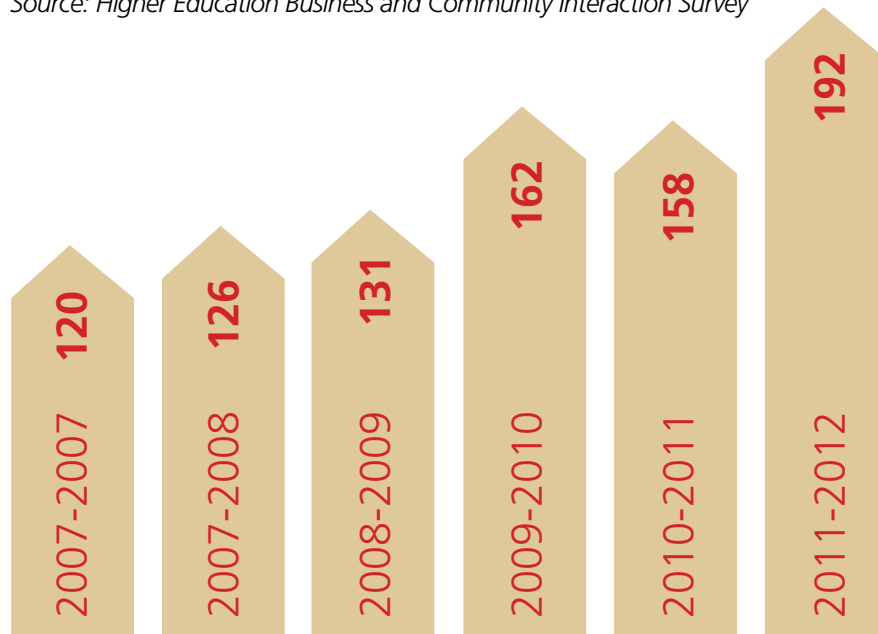
FEMALE TOTAL = 1530

MALE TOTAL = 1105

OVERALL TOTAL = 2635

GRADUATE AND STUDENT START-UP BUSINESSES CREATED AT UCLAN

Source: Higher Education Business and Community Interaction Survey



Key contacts

Switchboard	01772 201201
Vice-Chancellor's Office	01772 892500
Corporate Communications	01772 894424
Course Enquiry Team	01772 892400
Knowledge Transfer Service	01772 895500
Research Office	01772 894280
Events and Alumni Team	01772 892346
International Office	01772 895024
Conferences and Catering	01772 892656
External Liaison Team	01772 894440
Students' Union	01772 893000
Financial Services	01772 892184



INCOME

2010/11 £206,735k

2011/12 £198,700k

EXPENDITURE

2010/11 £200,723k

2011/12 £184,102k

A day to remember: the visit of Her Majesty The Queen and His Royal Highness The Duke of Edinburgh to UCLan's Burnley Campus during May 2012.



At the Campus the Queen and Prince Philip were greeted by hundreds of well wishers. After a tour of the facilities, meeting staff and students, the royal couple opened UCLan's Junior University project. The day concluded when the Queen was presented with a posie by six-year-old Alexandra Brown, the daughter of Campus Director Dr Martin Brown.

UCLan students fan Olympic flame

On day 36, as part of its nationwide tour, the Olympic flame arrived in Preston. During the 8,000 mile celebration, four UCLan students carried the iconic torch. Daniel Maynard, studying sports coaching, took the flame into Batley while Helen Broad, a postgraduate studying sport, policy and community development, played her role in Oswestry.

Sports coaching postgraduate James Dixon waved to the crowds in Blackpool and Joshua Jenkinson, a history student, braved the elements in Kendal.



Ja Yoo Choi, studying to become a teacher, carried the flame into the City centre.

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*Designed and produced by UCLan Advancement Services:
Editor - Chris Theobald, PR & Alumni
Design - Clare Fogg, Marketing Communications*



Produced using elemental chlorine-free paper manufactured from sustainable forests