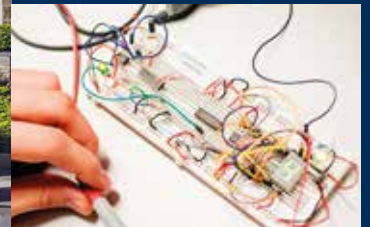




Ollscoil Chathair Bhaile Átha Cliath  
Dublin City University



# President's Annual Report

October 2013 to September 2014









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# President's Welcome





It is my pleasure to introduce the 2013-2014 Annual Report to you. The Report includes some of the highlights and accomplishments of the past year and reflects the hard work and dedication of the DCU community. Success is evident across many facets of DCU life, as we continued to focus on the priorities identified in the DCU Strategic Plan, *Transforming Lives and Societies*. Progress has continued across our five priority areas of student life and learning, research and innovation, community engagement, our work culture and transforming our physical and virtual campus. We remain committed to delivering an outstanding student experience and equipping our students to be creative, analytical, enterprising and socially-responsible citizens. The highlights presented in this report represent just a sample of the dedication, hard work and achievements of staff and students right across DCU over the past year.

Whether through academic endeavours, enterprise, innovation, research, or through engagement and sporting achievements, DCU students are a continuing source of pride for the University. Last October, at the DCU President's Awards for Innovation, Anoop Sebastian won the student category with his web-based programme designed to support App development for Android users. In Mathematics, DCU student Aaron Kenny was the recipient of the Hamilton Award, an annual medal presented by the RIA to the top Mathematics student across 10 Irish institutions. A number of DCU graduates, post graduate and post-doctoral researchers were recipients of Fulbright Scholarships. In the Intel Technology to Market Accelerator@UCBerkeley, three entries from DCU were among 14 international finalists in a search for the next generation of high-potential technology businesses.

This year saw the launch of the Insight Centre for Data Analytics, a €58m SFI-funded Research Centre which is a collaboration between DCU, NUI Galway, UCC and UCD. Ambitious targets have been set and Insight research is expected to make a real and tangible impact in the field of data analytics over the years ahead. This year, the CNGL Centre for Global Intelligent Content received almost €20m in SFI- and private funding to advance its research programme on content processing technologies to adapt and personalise digital content and services for users across global markets. Researchers from the School of Nursing and Human Sciences launched two projects to address dementia. Funded by the HSE and Atlantic Philanthropies, the €2.7m ELEVATOR project develops education and training programmes for those involved in the care of people with dementia. ACTIFCARE is a €2.5m project to analyse inequalities in access to healthcare for people with dementia and neurodegenerative disorders. Coordinated by DCU and led by Professor Dermot Diamond, the EU project NAPES secured €3.3 million (€1.2 million to DCU) for research in water monitoring. In July, DCU signed a Strategic Cross-Border University Partnership with the University of Ulster marking a formal alliance that builds on a track record of successful collaboration.

DCU continues to fulfil its mission as the University of Enterprise. The DCU Centre for Family Business (CFB), launched in October, works with Irish family firms to address the unique challenges they face and to support their contribution to the Irish economy and to society. DCU also partnered with daa International to launch the Dublin Aviation Institute which will deliver a comprehensive suite of programmes and courses across the full spectrum of the aviation industry. For students, DCU held its first annual Investors Day where students who had participated in DCU's Accelerator Programme have an opportunity to pitch their businesses to investors, business angels and venture capitalists.

This year, DCU awarded Honorary Doctorates to International Peace Envoy, Senator George Mitchell, and to David Trimble and Seamus Mallon, in recognition of their contributions to peace in Northern Ireland, on the 15th anniversary of the signing of the Good Friday Agreement. In November, sporting heroes Sean Kelly, Brian O'Driscoll and Katie Taylor were awarded honorary doctorates, along with Dr Tony Scott, founder of what is now the BT Young Scientist and Technology Exhibition.

In June, the first major milestone towards incorporating St Patrick's College Drumcondra, Mater Dei Institute of Education and Church of Ireland College of Education into DCU was achieved. The Minister for Education & Skills, Ruairí Quinn TD, launched "A vision for education of all the children of Ireland". Work is now continuing to meet the next milestone in September 2015, when incoming 1st year undergraduate and postgraduate research students from St Patrick's College and Mater Dei Institute of Education will register as students of DCU.

DCU continues to make an impact through outreach, local and global engagement and accessibility. The National Institute for Digital Learning was launched along with an exciting new online, flexible learning brand, DCU Connected. Through this, DCU will offer a growing suite of online degree programmes, as well as flexible short course options and major transnational initiatives in many countries where DCU has established strategic partnerships.

These achievements represent just a flavour of the efforts and accomplishments of the past year. As President, I have the privilege of witnessing these successes and communicating them to our friends and stakeholders outside of the University. They are enabled by the efforts and continued loyalty and dedication of our staff and students, in particular, and also the university's many supporters, trustees, alumni and friends, who work so hard to realise DCU's full potential.



# Awards and Honours



*L to R: Dr A. Heise, Professor B. MacCraith, Professor A. Harvey and Dr I McMenamin*

## President's Awards for Research

This year, the President's Awards for Research were presented to Dr Andreas Heise, School of Chemical Sciences and Dr Iain McMenamin, School of Law & Government.

Dr Andreas Heise, SFI Stokes Senior Lecturer received the 2013 President's Awards for Research in Science & Engineering for his outstanding accomplishments in the establishment of a new nationally and internationally recognised polymer and materials research programme at DCU. Dr Heise has shown the ability to anticipate new research directions and manage large research funding, building and maintaining an exceptional academic output at the highest international level.

Dr Iain McMenamin of DCU's School of Law & Government received the 2013 President's Award for Research for the Humanities & Social Sciences for his outstanding international contribution to the development of the field of comparative politics. Dr McMenamin is the leading global authority on firms and political parties, his research emphasising the interaction between business and government, a crucial aspect of politics both at the academic and policy-making level.

## Invent Commercialisation Awards



*L to R: Mr Richard Stokes, Professor Brian MacCraith, Dr Mazhar Bari*

The annual Invent Commercialisation Awards ceremony took place in April. The awards are made across three categories: licence options; licences to existing companies and licences to spin-outs. Speaking at the awarding ceremony, Professor Brian MacCraith applauded Invent for its recognition as the leading technology transfer office in Ireland for the fifth consecutive year. This year Invent was responsible for executing 20 licences out of a national total of 118 and for spinning out seven companies from a total of 30 spin outs nationally.



## Fujitsu Awards Showcase Innovation at DCU

*Creating and debugging android apps, a database which assists the professional development of student teachers and the implementation of enhanced reality software within the DCU's library were the novel innovations that won this year's President's Awards for Innovation. The awards were sponsored by Fujitsu. Presented by Regina Moran, CEO of Fujitsu Ireland, and Professor Brian MacCraith, the awards encourage and recognise innovative achievements by students, researchers and staff of DCU and its linked colleges, Mater Dei Institute of Education and St Patrick's College, Drumcondra.*

### Student Category

Digital Media Engineering student, Anoop Sebastian, created a web-based programme to tackle the difficulties experienced by Android app developers. His Integrated Development Environment (IDE) provides easy access to Android development tools, allowing the user to focus his or her attention purely on app development. His innovation allows apps to be wirelessly deployed to an Android phone and for log messages generated on the phone to be wirelessly relayed to the web based IDE.

### Administrative & Support Staff Category

DCU Library implemented a suite of Augmented Reality (AR) services to improve the learning experience for DCU students. AR allows users to view digital content on smartphones and tablets which has been blended with live views of the real-world environment. Initiatives developed by the Library Services include a self-guided podcast tour, digitally accessible library training schedules and eTutorials for students.

### Academic & Research Category

METIS (Mater Dei Education for Teaching Information System) is a custom-build web-based environment for managing school placements. Metis was developed by Dr Enda Donlon of Mater Dei's School of Education. The database facilitates the professional growth of student teachers by compiling information relating to placements undertaken as the students progress through their degree.

## President's Awards for Teaching and Learning



The President's Awards for Teaching and Learning, recognise excellence in teaching. Recipients were as follows:

Dr Lorraine Boran, School of Nursing & Human Sciences (Academic Category); Terry O'Brien, DCUBS (New Lecturer/Tutor Category); Dr Tom Hickey, School of Law & Government (Special Award for Distinctive Teaching Approaches); Jennifer Bruton, School of Electronic Engineering (Special Award for Distinctive Approaches to Assessment & Feedback); Liam Domican, School of Mechanical & Manufacturing Engineering (Academic Support Category).



## Honorary Conferring Awards

DCU was delighted to honour David Trimble and Seamus Mallon in a special ceremony, which took place on the 15th anniversary of the signing of the Good Friday Agreement. The award of Doctor of Philosophy (honoris causa) was made in recognition of their enormous contribution to the Northern Ireland peace process and their commitment to building a better future for all the people on the island of Ireland.

Speaking at the ceremony DCU's Chancellor, Dr Martin McAleese, said "the vocation of leadership in peace and culture change is demanding, draining and difficult, as our two honorees today could no doubt testify. But we honour them because they honoured that vocation, committed to it and saw it through, come what may. David Trimble and Seamus Mallon share this platform because we owe them a debt of gratitude for all they did to transcend the perverse, paralysing politics of the past and breathe new life, fresh momentum into the future – your future."

The Doctor of Philosophy (honoris causa) is the highest honour that DCU can bestow and it is awarded in recognition of exceptional individuals who have demonstrated excellence in scholarship, in their profession, in services to the community, to the arts, literature and culture, or in outstanding service to the University.

The University was delighted to make a number of awards this year. In addition to Drs Mallon and Trimble, the Doctor of Philosophy (honoris causa) was also awarded to sports personalities Sean Kelly, Brian O'Driscoll and Katie Taylor (in absentia), to Dr Tony Scott, Emeritus UCD, in recognition of his many contributions to teaching, research and the advancement of science and to International Peace Envoy, Senator George J Mitchell, who was awarded for his outstanding service in the cause of peace around the world. The United States Special Envoy for Northern Ireland from 1995-2001, Senator Mitchell served as Independent Chairman of the Northern Ireland Peace Talks, successfully brokering the 1998 Good Friday Agreement.

**“**You were the trusted and committed honest broker at the time of our greatest need. You helped to radically change language, mindsets and attitudes. You met us at our most entrenched and yet sold the awesome possibilities of compromise. In that you helped change the way we look at ourselves and at each other on this island as well as helping recalibrate the relationship with our neighbouring island. In short, you helped make possible what many believed to be impossible and – against all the odds and the force of history itself – you delivered an agreement which paved the way to a lasting peace.”

– Dr. Martin McAleese



Dr Seamus Mallon and Dr David Trimble



Dr Brian O'Driscoll and Dr Sean Kelly



Prof Brian MacCraith and Dr Tony Scott



Senator George J Mitchell and Prof Brian MacCraith



## DCU Academics admitted to RIA



Professor Dermot Diamond, Director of the National Centre for Sensor Research and Professor Richard O'Kennedy, Professor of Biological Sciences, were admitted as Members of the Royal Irish Academy, continuing a 229-year Academy tradition of recognising outstanding achievement in the world of learning. Professor Diamond is a Funded Investigator at the SFI INSIGHT Centre at DCU. His research is focused on the fundamental science of stimuli-responsive polymers, the development of futuristic autonomous chemical sensing platforms, and the use of chemical sensors as information providers for Cloud-Computer systems. Professor O'Kennedy is Scientific Director of the Biomedical Diagnostics Institute at DCU. He is renowned internationally for his pioneering work on antibody engineering with particular emphasis on immunosensor applications. His work has led to commercial developments, including the recent use of an engineered antibody to C-reactive protein on diagnostic platforms for rapid assessment of cardiac disease.

## Irish Aviation Industry Award for DCU Business School



DCU Business School won the Overall Aviation Academic Education Award for the BSc in Aviation Management (with Pilot Studies) Degree Programme, at the inaugural Aviation Industry Awards, held in June. The awards brought together key figures from across Ireland's aviation industry to recognise their innovation and contribution to the sector. Eighteen winners were chosen from more than 120 entries submitted by over 70 leading companies. This new BSc in Aviation Management programme addresses gaps in education opportunities for those entering the aviation industry. For those who wish to become commercial pilots, it offers a route to a professional qualification as a commercial pilot combined with a strong background in business education. For those who see themselves playing other roles in aviation, it equips the students with the knowledge and skills needed to exploit the career opportunities associated with this ever-changing industry.

Accepting the award on behalf of DCU, B. Sc. in Aviation Management Programme Director, Dr. P J Byrne, said "This remarkable achievement highlights DCU's rise to prominence in the aviation sector in Ireland. What is significant about this achievement is that in this the inaugural year for the event, DCU came top of the educational category against contenders who boast many decades of aviation education."

## DCU Alumni Wall 2014

The sixth annual DCU Alumni Wall ceremony took place in April in the John & Aileen O'Reilly Library. The Alumni Wall was first launched in 2008 to celebrate the outstanding professional and personal achievements of DCU graduates. Honourees are nominated by DCU staff and alumni with the twelve finalists chosen by the DCU Alumni Council. Commenting on the awardees, DCU Alumni Council Chair, Gay White said, "We are so proud of our graduates who have been chosen to appear on the 2014 DCU Alumni Wall. Each has made a huge contribution in their field. Their stories are a testament to their hard-work, determination and drive to succeed. DCU is proud to have played a role in those success stories. The Alumni Wall serves as a great inspiration to our current students, who look to our Alumni Awardees as important role models in their own academic journeys".

## Top 100 Women in STEM



*Dr Christine Loscher*



*Ann Horan*

Dr Christine Loscher, Director of the Health Technologies Research and Enterprise Hub at DCU and DCU Ryan Academy CEO, Ann Horan, were listed in the 100 Top Women in Science, Technology, Engineering and Maths by Silicon Republic. They are joined in this roll call of great female role models by DCU graduate Regina Moran, CEO Fujitsu; Arlene O'Neill, science communicator and Anne Ravanona, CEO, Global Invest Her.

DCU Ryan Academy is a not-for-profit joint venture between DCU and the family of the late Tony Ryan, founder of Ryanair, which aims to be a leading supporter of entrepreneurs and innovation in Ireland. The Female Propeller for High Fliers is an accelerator programme for female-led start-ups that specifically addresses the challenges facing female entrepreneurs.

## President's Awards for Engagement



*Michelle O'Donnell Keating and Dr Eithne Kennedy*

Michelle O'Donnell Keating, co-founder of Women for Election and a PhD student in the School of Law & Government, was awarded the President's Award for Engagement (Student category) for her efforts to increase the number of women actively participating in all levels of political life. Dr Eithne Kennedy, St Patrick's College Drumcondra, received the President's Award for Engagement (Staff category) for her Write to Read project, a literacy intervention for disadvantaged communities in urban areas.

## Photography Project Award for the Intergenerational Learning Programme

In November, the Intergenerational Learning Programme was one of nine projects worldwide selected for funding by Ashoka U and Photowings. The project, entitled 'Old and New' and led by Dr Cathy Fowley and Dr Trudy Corrigan, School of Education and Dr Emer Ní Bhrádaigh, Fiontar, aims to link older people and DCU students through shared family albums and personal photographs.



# Student Successes and Scholarships



## McAleese Scholarships for students from Northern Ireland

In April, the University announced details of a new scholarship scheme aimed at making study at DCU more accessible for students from Northern Ireland. The McAleese Scholarships are named in honour of former President of Ireland, Dr. Mary McAleese and the Chancellor of DCU, Dr. Martin McAleese. Up to 40 scholarships are available (10 per Faculty), to be awarded on the basis of three A-levels, with a minimum requirement of 2 'A' and 1 'B' grades. Applicants must meet DCU minimum entry requirements and any specific programme requirements. The scholarships include an award of €1000 for each successful applicant.

## Students bound for University of Notre Dame, Indiana

Final year Computer Applications student, Robert Lis, was awarded a place on the Engineering, Science and Technology Entrepreneurship Excellence Masters (ESTEEM) programme at the University of Notre Dame, USA. ESTEEM is an innovative 11-month professional Master's programme designed to offer students from a science, technology, engineering and mathematics (STEM) background, an entrepreneurial ecosystem allowing them to take university technologies from concept to market. Robert's participation in ESTEEM is supported by a Naughton Foundation fellowship.

Gillian Duffy, a research student with the Marine and Environmental Sensing Technology Hub, MESTECH, was awarded DCU's first Naughton Fellowship from the University of Notre Dame. As part of her PhD programme she will travel to the US to spend a year working with researchers on environmental monitoring. Her PhD will be supervised by Prof. Dermot Diamond and Prof. Fiona Regan at DCU.

The Naughton Fellowship was established to provide opportunities for exceptional students of science, technology, engineering and mathematics, from both Ireland and from the US, to connect with leading researchers and to build stronger connections between the host institutions and countries.

## DCU goes to Silicon Valley

This year, three fledgling DCU student companies triumphed in a global search to identify the next generation of high-potential technology businesses. From a field of 40 applicants from around the globe, Notehome, Cent for Change and Agile Payments were selected as the only Irish entrants to join an elite cohort of 14 finalist student start-ups to participate in the Intel Technology To Market Accelerator@UC Berkeley.

The Intel Technology to Market Accelerator@UC Berkeley programme is a partnership between the Intel Foundation and the Lester Center for Entrepreneurship at the Haas School of Business, University of California, Berkeley, designed to teach the most cutting-edge Silicon Valley start-up skills to entrepreneurs from around the world, providing them with real-world, immersive learning about successfully transferring technologies into start-ups that benefit society.

The three DCU companies have been developing their business ideas as part of DCU's UStart initiative which is supported by the JP Morgan Chase Foundation.

**Agile Payments** provides a cashless transaction service to enhance user experience and provide a streamlined system free of restrictions.

**Cent for Change** offers the online banking customer a new way to donate to charity by providing a simple way to donate the spare cent from their bank balance to their chosen charity.

**Notehome** is cost efficient online and mobile communications and payments platform for primary schools and parents.

## Hamilton Prize in Mathematics

In October, Aaron Kenny, a fourth year student on the BSc in Actuarial Mathematics received the Royal Irish Academy Hamilton Award. This award is presented annually to the top student of Mathematics in 10 Higher Education Institutions in Ireland.

## Fulbright Awards



This year the prestigious Fulbright Award was made to the following.

- Dr. Colm Browning, a post-doctoral researcher at the Radio and Optical Communications laboratory in DCU, will travel to Columbia University, New York to undertake research focused on the introduction of high speed optical communication systems to data centres.
- Teresa Lynn, PhD student in Computational Linguistics, will travel to Saint Louis University to research natural language processing techniques for the development of linguistic resources and technology for the Irish language.
- DCU graduate, Roe McDermott, as a Fulbright student awardee, will undertake a Master's degree in Sexuality Studies at San Francisco State University.
- Dr. David Monaghan, post-doctoral researcher at the Insight Centre for Data Analytics, will travel to Arizona State University to research computer gaming technology and its application to physical rehabilitation adherence, with a particular focus on human-computer interactions.



# Research and Innovation



## Insight Centre for Data Analytics

DCU joined forces with academic and industry partners to create INSIGHT, a new Science Foundation Ireland research centre for data analytics. The Minister for Jobs, Enterprise and Innovation, Mr Richard Bruton TD and Minister for Research and Innovation, Mr Sean Sherlock TD, officially launched INSIGHT which is a collaboration between DCU, NUI Galway, UCC and UCD, involving more than 200 researchers from these and other higher education institutions and 30 industry partners, to position Ireland at the heart of global data analytics research.

The INSIGHT Centre for Data Analytics has been awarded €58 million funding from the Department of Jobs, Enterprise and Innovation through SFI's Research Centres Programme, along with a further contribution of €30 million from its industry partners. The Centre represents a new approach to research and development in Ireland, by connecting the scientific research of Ireland's leading data analytics researchers with the needs of industry and enterprise. Industry partners include RTÉ, The Irish Times, Cisco, Microsoft, Alcatel-Lucent, Santry Sports Clinic, the IRFU, Avaya, TE Labs, TreeMetrics, NitroSell, Avego, UTRC, Shimmer and others.

Speaking at the launch, Minister Bruton said: "Big data is a sector growing globally at 40% per annum and we have targeted it as part of the Disruptive Reforms contained in the Action Plan for Jobs 2013. This is a sector where Ireland has the potential to gain competitive advantage

and attract significant numbers of investments and jobs, and we are putting in place measures to ensure that we can deliver on that potential. The establishment of this world-class SFI research centre in data analytics, with a total investment of €88 million supported by my Department, is a strong signal of our ambition in this area."

Over the next six years, INSIGHT research is expected to result in 12 new spin out companies, approximately 50 patent filings, and over 50 technology licenses, leading to many direct and indirect jobs in the data analytics sector.

## Government and industry to invest €19.8 million in CNGL intelligent content research

In October, Mr John Perry TD, Minister of State with responsibility for Small Business at the Department of Jobs, Enterprise and Innovation, announced Government funding, through SFI of €13.5 million, for ground-breaking research in intelligent content at the CNGL Centre for Global Intelligent Content. A further investment of €6.3 million from 16 industry partners brings total funding allocation to €19.9 million. The focus of CNGL's ambitious new research programme is on the development of content processing technologies to adapt and personalise digital content and services to meet the needs and preferences of users across global markets.

CNGL is an academic-industry research consortium dedicated to delivering disruptive innovations in digital media and intelligent content such as multilingual content analysis. The Centre, which is led by Trinity College Dublin and co-hosted by DCU, is entering its second funding cycle supported by SFI. To date, CNGL's Social and Economic impact includes the establishment of seven spinout companies, €1.25 million in venture capital raised and the creation of thirty new high-value jobs for Ireland. CNGL has also attracted a further €7 million in funding from non-exchequer sources, including 15 large-scale European Union-funded projects.

Combining the expertise of world-leading researchers at four universities (Trinity College Dublin, Dublin City University, University College Dublin and University of Limerick), CNGL currently partners with Microsoft, Symantec, Intel, McAfee, Cisco, DNP, Xanadu, Welocalize, Alchemy Software Development, VistaTEC, and many other industry leaders.

Professor Mark Ferguson, Director General, SFI said: "This academic-industry research consortium is leading the transformation of Ireland's global intelligent content revolution. The importance of continued investment in excellent scientific research related to Ireland's on-going and future economic development is imperative. CNGL has clearly delivered tangible economic benefits, to date that include productive engagement within industry collaborators, the establishment of a number of successful spinout companies and the creation of over 30 new jobs. The additional funding further demonstrates the commitment of SFI, Government and industry to establishing a leading international position for Ireland in content intelligence and helping to create high-tech, high-quality employment opportunities for the future."

## DCU researchers collaborate on Polar Bear Genome Project

DCU researchers participated in an international research project which compared genomes of polar and brown bears and revealed that the polar bear is a much younger species than previously believed, having diverged from brown bears less than 500,000 years ago. The analysis has uncovered several genes that may be involved in the polar bear's extreme adaptations to life in the high Arctic.

Dr Mary O'Connell and Dr Claire Morgan, along with colleagues in NUI Maynooth, were involved in the international collaboration to sequence and analyse the polar bear, assembling large datasets of genes to assess what pathways and proteins underwent selective pressure to change, in response to the colonisation of this extreme environment.

## Dementia research in DCU



*Dr. Kate Irving, School of Nursing and Human Sciences and Minister Kathleen Lynch, TD*

Ms. Kathleen Lynch, TD, Minister of State at the Department of Health and Department of Justice, Equality and Defence with responsibility for Disability, Equality, Mental Health and Older People, launched ELEVATOR, the €2.7m dementia research project which aims to develop education and training programmes for communities and those involved in the care of people with dementia. The funding has been provided by the HSE and Atlantic Philanthropies and the research will be carried out in partnership with the HSE and the Alzheimer Society of Ireland.

ELEVATOR will examine current deficiencies in the care of people with dementia within the community and will identify eight specific areas where education and training can improve the lives of people with dementia and their carers. Taking into account international best practice, the project will produce an Education Needs Report to map the education and training needs for stakeholders over the next five years.

The project coordinator is Dr Kate Irving, lecturer in Mental Health Nursing at DCU. Speaking at the launch, Dr Irving explained "Our overall aim is to develop awareness of dementia through a flexible Dementia Awareness Training Programme for 3,000 participants per year, who will be recruited from the stakeholder population of clinical staff, social care professionals, family carers, gardai, retail outlets and community development staff. We will also develop an advocacy training programme for people with dementia and their families, to build their capacity to voice their concerns, opinions and values in formal and informal contexts."



This year, DCU also launched a €2.5m dementia care project, Actifcare [ACess to Timely Formal Care]. Researchers in School of Nursing and Human Sciences are involved in Actifcare which aims to analyse inequalities in access to healthcare for people with dementia and neurodegenerative disorders across Europe. Dementia experts from the Netherlands, Germany, Italy, Norway, Portugal, Sweden and the UK are collaborating on this three-year programme. The focus of Actifcare is on the middle dementia stages where transition from informal care to a combination of informal and formal home care takes place.

### 3D printing of smart wearable medical devices

A partnership between DCU and the Australian Research Council Centre of Excellence for Electromaterials Science (ACES) has been established to create advanced, wearable medical devices for applications in sports, personal health, rehabilitation or medical therapeutics. Wristwatches that can monitor the composition of sweat and smart textiles that can sense movement in limbs or variations in body chemistry are just two examples of the devices the researchers are working on.

### University researchers collaborate on Intellectual Disability Programme

In June, DCU became part of a major new Irish-led EU research programme on Autism and Intellectual Disability. The €9 million project which aims to enhance the quality of lives of those with intellectual disabilities and autism, their carers and families, was launched by EU Commissioner Máire Geoghegan-Quinn. The research involves collaboration between DCU and several other institutions, including Michigan State University and the University of Massachusetts and is co-funded by the EU Marie Curie ASSISTID Cofund and the Irish charity, RESPECT.

The programme, which involves scientists, engineers and healthcare professionals, focuses on developing methods of enabling people with disabilities to communicate, work and learn. Methods used include the development of computer facial recognition software to teach people with autism how to recognise facial expressions and to develop distinctions between faces and objects, while 'eye gaze' technology will also be used to allow people with limited mobility to track and move objects on a computer screen using only their eyes. Over five years, the programme will provide 40 fellowships to experienced researchers in the field of assistive technologies and behavioural sciences, applied to autism and intellectual disability. It is the largest research programme of its kind in Europe.

### Special Olympics Study

Dr Mary Rose Sweeney, Senior Lecturer at DCU's School of Nursing & Human Sciences presented SOPHIE (Special Olympics Programmes Health Impact Evaluation) at the opening of the 2014 Special Olympics Games in Limerick. SOPHIE is a unique all-Ireland study conducted by a team of researchers from DCU's School of Nursing and Human Sciences and the School of Health and Human Performance, in collaboration with Peter Griffin of Queen's University Belfast and health economist, Dominic Trépel. Conducted over two years, the study involved examining the health and wellbeing of people with intellectual disabilities and their families, who are involved and not involved in Special Olympics Programmes, to explore the benefits to being involved in Special Olympics Programmes.

## EU research success for DCU Next Generation Analytical Platforms for Environmental Sensing

EU project NAPES [Next Generation Analytical Platforms for Environmental Sensing] secured €3.3 million (€1.2 million to DCU) for research in water monitoring over a period of three and a half years. Coordinated by DCU and led by Prof Dermot Diamond, this EU FP7 project aims to develop next generation systems using smart materials for biological and chemical sensing. The project will target water for human consumption, monitoring levels of chemical contaminants and bacterial pathogens, such as e-coli. NAPES intends to reduce the high costs of implementing environmental monitoring, leading to large-scale, multiple location deployments and the creation of sensor networks of key water quality parameters over wide geographical areas.

The project is expected to create up to 7 jobs in Ireland and brings together a European consortium from Ireland, Spain, France, Italy, Netherlands and the UK.

## EU FP7 Water Monitoring Project

The National Centre for Sensor Research (NCSR) is contributing its expertise to the EU FP7 funded water monitoring project, involving TE Laboratories, the Irish-owned SME based in Tullow, Co Carlow. The purpose of the project, AQUAWARN, is to develop an innovative, integrated deployable device for the detection of pollution in water using innovative, state-of-the-art microfluidic technology. AQUAWARN is led by the TE Laboratories with consortium partners coming from the Republic of Ireland, Northern Ireland, England, Italy and Turkey.

## Strategic cross-border University partnership

University of Ulster Chancellor, Dr James Nesbitt, and DCU Chancellor, Dr Martin McAleese, signed a Strategic Cross-Border University Partnership marking a formal alliance that builds on a track record of successful collaborative projects and programmes between the two universities and reflects a shared strength and leadership in pioneering research, innovation and teaching and in delivering career-focused education.

The partnership will develop joint research and teaching initiatives and exchange opportunities in areas that support the development of the economy, peace and conflict resolution, connected health, social sciences, biomedical sciences, sustainable energy and improve public service provision, especially in healthcare and education.

The partnership will create a framework for a broad range of collaborative initiatives in areas such as conflict resolution, biomedical research, teacher education, Connected Health, Digital learning and sport and the emphasis will be on mobility for students and staff and mutual access to academic programmes and facilities.

"This historical development reflects the commitment of both universities to cross-border collaboration and practical contributions to reinforce ongoing peace on this island."

- Professor Brian MacCraith

# Enterprise



## DCU Centre for Family Business launched

The DCU Centre for Family Business (CFB) was launched by an Taoiseach, Enda Kenny TD in October. CFB will work directly with Irish family firms to address the unique challenges they face and to support their significant contribution to the Irish economy and to society. It will also provide a platform to enhance the competitiveness of Irish family firms, offer insights into international best practice of family firm management and, ultimately, help shape future policy in relation to this thriving sector.

## Dublin Aviation Institute



In September, we established the Dublin Aviation Institute through an innovative partnership between DCU and daa International. This is a significant development for the international aviation sector. Launched by the Minister for Transport, Tourism and Sport, Paschal Donohoe TD, the DAI will enable students to experience a unique combination of academic excellence and a live airport environment. The new facility will deliver a comprehensive suite of programmes and courses across the full spectrum of the aviation industry, from professional standards/compliance training based on international standards to fully accredited degree programmes at both undergraduate and postgraduate levels.

DAI courses offerings targeted at both Irish and international students are expected from next year.

Congratulating DCU and daa International on the initiative the Minister said:

“Aviation plays a key role in the Irish economy and I’m delighted to see Dublin Airport and DCU working together to further enhance the sector both at home and abroad. The DAI is an excellent example of how Irish industry can partner with third level institutions to deliver educational programmes that match the needs of both employers and students, while improving the prospects for our future economic development.”



## Dublin Commissioner for start-ups announced

In September, serial entrepreneur, Niamh Bushnell, was announced as the first Dublin Commissioner for Start-ups. Drawing on her extensive experience of the start-up sector, from co-founding her first company, Pan Research, in Dublin in 1996 to the recent appointment as Entrepreneur in Residence at Talent Tech Labs in Manhattan, Niamh assumes strategic responsibility for making Dublin the best place in Europe to start and grow a tech and innovative business.

The new post has been funded privately through the DCU Ryan Academy for Entrepreneurs. The Commissioner will work in conjunction with Dublin City Council, Enterprise Ireland and the Local Enterprise Offices to maximise the potential of Dublin's existing business ecosystem which already supports a wide range of tech and innovative start-ups and acts as a base for many global tech companies. A key responsibility in the position will be to develop international recognition of Dublin as an innovation hub where companies will start-up, scale faster and create long-term sustainable jobs and added value to the economy.

## UStart Investor Day

UStart, DCU's Accelerator programme for student business, held its inaugural Investor Day in October.

Seven fledgling student companies completed a 16 week programme over the summer at DCU's Innovation Campus, honing their business plans and developing their entrepreneurial ideas into viable, sustainable businesses with the help of seasoned mentors and business experts. At Investor Day the start-up teams pitch their businesses to investors, business angels and venture capitalists.

The seven participating start up companies were:

Agile Payments provides a cashless transaction service to enhance user experience and provide a streamlined system free of restrictions.

Cent for Change offers the online banking customer a new way to donate to charity. The service provides customers with a simple way to donate the spare cent from their bank balance to a selected charity of their choice.

Edu App – a mobile app that organises the day-to-day lives of university students by providing key information such as a timetable and an academic calendar. The app allows users to directly access their timetable information from university servers with their login credentials.

headstARTS empowers and enables people with intellectual disabilities through the Arts. It aims to create a community which is caring, understanding and creative, and promotes positive mental health.

Notehome – an online and mobile communications and payments platform for primary school and parents

Optistride – The Foot Reviver is a device which allows the user to perform prescribed physiotherapy exercises that will strengthen the feet and reduce foot pain. This ensures strengthening of foot and lower leg muscles more effectively than current prescribed physiotherapy exercises.

The Man Package aims to make men into their best selves. The Man Package is an online service that tells men what 'the best' thing is, from socks to razors, cigars to whiskey.

Three of the student companies – Agile Payments, Cent for Change and Notehome – won places in the prestigious Intel Technology To Market Accelerator@UC Berkeley and headstARTS was one of two DCU social enterprises to represent Ireland at the Enactus finals in Mexico this year.

# Global Engagement



*President Michael Crow, Arizona State University with President Brian MacCraith*

## International School of Biomedical Diagnostics

In January, DCU joined forces with Arizona State University (ASU) to establish the new International School of Biomedical Diagnostics, which will offer the first degree programme of its kind, an international M.Sc. in Biomedical Diagnostics. This programme will establish diagnostics as an independent discipline in its own right.

It is well recognised that diagnostics are at the centre of healthcare innovation. Globally, the diagnostics industry employs more than 3.5 million people. Today, diagnostics are involved in over 60 percent of clinical decision-making and they are critical to personalized medicine – the process of targeting drugs to those for whom they will be most effective.

The international M.Sc. in Biomedical Diagnostics will have a shared curriculum and courses will be offered by both universities. The academic program is expected to attract students from a mix of recent college graduates and those working in industry who wish to further their careers. The School expects to enrol 100 students per year within its first five years.

## DCU welcomes new Indian Cultural Relations Chair



In February, DCU welcomed new visiting India Council for Cultural Relations Chair, Professor Priyanka Upadhyaya, a leading international scholar in the area of Peace and Intercultural Understanding and holder of the UNESCO Chair at the Banaras Hindu University in India.

While in DCU, Prof Upadhyaya worked with DCU academics on a range of India-related academic and cultural initiatives, including the Ireland-India Institute Public Lecture Series.

# Making an Impact



## New DCU Institute to Transform Irish Education Landscape

In June, the Minister for Education and Skills, Ruairí Quinn TD, launched a document outlining the vision and structure of a round-breaking new DCU Institute of Education which will improve the quality of education for all the children of Ireland. The DCU Institute of Education will be created through the coming together of DCU, St Patrick's College, Drumcondra, Mater Dei Institute of Education and Church of Ireland College of Education. The planned Institute will represent the largest critical mass of education expertise on the island of Ireland, providing initial teacher education and continuous professional development for teachers and educators from early childhood through primary and secondary to third and fourth level.

For the first time in Ireland, DCU will create a space enabling different Christian traditions to teach and learn collaboratively side-by-side. In line with DCU's ethos as a non-denominational, secular university with a strong commitment to pluralism, the new Institute of Education will provide a place of mutual respect for the formation of teachers for denominational (Roman Catholic, Church of Ireland/Reformed Christian traditions), non-denominational and multi-denominational schools.

Speaking at the launch of the report, *A New Vision of Education for all the Children of Ireland*, Minister Quinn said that he wanted to commend the institutions involved "for showing leadership in creating this flagship Institute of Education." He said that he was "pleased to see the commitment to interdenominational diversity, the Church of Ireland, Roman Catholic, non-denominational and multi-denominational traditions all side by side and working together; it is a wonderful symbol of a mature, modern Ireland."

The Institute will constitute a fifth faculty of DCU. It will conduct pioneering research in priority areas such as Science, Technology, Engineering and Mathematics (STEM) education, special-needs and inclusive education, literacy and numeracy, arts education, further education, assessment, digital learning, as well as ethical and values-based education.

Dr Martin McAleese, Chancellor of DCU, said, "The significance for the island of Ireland is immense. Here we have institutionalised diversity and respect for all faiths and none, embedded in an Institute of Education that will have a transformative impact on the futures of all the children of Ireland."

Archbishop Diarmuid Martin and Archbishop Michael Jackson jointly welcomed the new development. "It represents an exciting vision for the education of children in Ireland in the decades to come. The Institute will provide multiple opportunities for collaborative engagement in the formation of the teachers of tomorrow."



This will be in an environment and setting which is pluralist and respectful of the academic enterprise as a whole. It also honours the formative contribution which understanding one's own tradition within Christianity brings to education, together with understanding the faith tradition of others who are different from us. We are happy to see that the traditions to which we both belong and the heritage of our institutions, will find such a welcome in Dublin City University."

## Launch of National Institute for Digital Learning



*L to R: Lord David Puttnam, Mr Ruairi Quinn TD, Prof Brian MacCraith*

In November, the Minister for Education and Skills, Ruairi Quinn, TD, launched the National Institute for Digital Learning (NIDL) at DCU. This new centre of excellence will pioneer major developments in online, distance and blended learning, exploiting the full range of digital technologies to provide students with the best possible learning experience, whether on or off campus. Lord David Puttnam was guest speaker at the launch which also included an announcement of the appointment of Professor Mark Brown as Director of NIDL and as Ireland's first Chair in Digital Learning. Professor Brown is recognised globally as a pioneer in the area of Digital Learning. He joins DCU from the National Centre for Teaching & Learning at Massey University, New Zealand.

## DCU Launches a new Online Education Brand

In August, DCU launched an exciting new online, flexible learning brand, DCU Connected. This overarching brand encompasses a growing suite of online degree programmes for both undergraduate and postgraduate students, as well as flexible short course options and major transnational initiatives in many countries where DCU has already established strategic partnerships.

Speaking at the launch Professor Brian MacCraith said that DCU Connected is a public commitment by DCU to embrace the best of digital technologies to enhance the learning experience of students, both nationally and globally. "Whether you live in Sligo, Seville or Shanghai, DCU Connected provides access to world-class online education, with international expertise and locally-relevant courses designed to meet your needs."

## Good News for DCU In International Rankings



News of DCU's performance this year in the two prestigious international rankings QS World Top 50 under 50 and the Times Higher Education 100 under 50 was welcomed by the President. For the third year in a row, DCU was listed in the QS World Top 50 Under 50 which showcases the next generation of leading universities established since 1964. Universities are scored on research excellence, employability of graduates and international engagement.

Commenting on the rankings, Professor MacCraith said that this was 'recognition globally of DCU as a young, innovative university leading the way in delivering a first-class education for its students and spearheading research with real societal impact.' The QS Top 50 Under 50 was created to highlight the achievements of younger institutions which can be placed at a disadvantage in the normal rankings, when competing with longer-established universities. The well-established reputations enjoyed by universities, some dating back centuries, help them to dominate the QS World University Rankings and others like them.

DCU also performed well in the The Times Higher Top 100 of the world's young universities (less than 50 years old), which aims to highlight a new breed of high performing universities that have managed to join the world elite over decades rather than centuries and have the potential to become the next global academic powerhouses. DCU ranked joint 92nd in the league table and is part of a prestigious group that includes an increasing number of highly-funded Asian universities.

THE 100 Under 50 uses a comprehensive list of 13 objective performance indicators (teaching, research, knowledge transfer and international outlook etc.) that underpin the prestigious THE World University Rankings, but it employs a specially recalibrated methodology to better capture the characteristics of young universities. Speaking about the Rankings, the President noted that the success was particularly significant in the prevailing difficult economic climate and challenges for higher education in Ireland.

## Shedding new light on Schrodinger's Cat



In November, DCU welcomed Professor Serge Haroche, Nobel Prize winner for Physics in 2012. Professor Haroche delivered the DCU Magnet Nobel Laureate Lecture, offering a unique insight into the strange world of Quantum Physics and how its applications can transform life as we know it, now and in the future.

## First TEDx Event for DCU



DCU hosted its first TEDxDCU event, on the theme of Transforming Lives & Societies. In the TEDx spirit of ideas worth spreading, our strong line up of speakers, each one a DCU alumnus, addressed a full house in the Helix on a Saturday morning in November.

Our inaugural TEDxDCU speakers were as follows:

- Richard Curran, financial journalist & commentator
- Breandán de Gallaí, physicist & professional Irish dancer
- David Dowling, immunologist & Harvard Medical School Pediatrics Research Fellow
- Joe Hogan, technology entrepreneur & founder of Openet
- Liavan Mallin, serial entrepreneur
- Rachel Moran, prostitution survivor, writer, blogger & activist
- Emer Patten, music film producer & co-owner of Splinter Films
- Jonathan Turner, investment expert & former entrepreneur

## Launch of National Anti-Bullying Centre at DCU

The Tánaiste, Eamon Gilmore TD, and Minister for Education and Skills, Ruairí Quinn TD, launched the National Anti-Bullying Centre at DCU in May. The Centre builds on the existing capacities of the Anti-Bullying Research and Resource Centre which was established, in 1996. The new centre undertakes research on school and workplace bullying, provides support and resources to those who work and live with victims of bullying and engages in a range of initiatives and research projects designed to reflect the ever-changing face of bullying in society, with a focus on cyberbullying, workplace bullying and early school-leaving.

Research conducted at DCU shows that 14% of students have experienced cyberbullying, while approximately 8% of Irish adults report being victims of bullying behaviour in the workplace.

Addressing the audience, the Tánaiste said, "Bullying has not changed, but the means and instruments of bullying have changed. While technology has brought huge benefits to us all, it can also be used to negative effect. Smart phones and iPads allow us to be in constant communication, on-line in any location. But they also allow bullying to occur at any time, in any place. Given the potentially dreadful consequences, we cannot and are not complacent about bullying." Minister Quinn also announced start-up funding of €50 000 to assist the Centre, "The National Anti-Bullying Centre has made a very significant contribution to the Department of Education's Action Plan on Bullying. So we are very aware of their commitment and interest in this topic, and in contributing to national policy. I look forward to continuing to work with the Centre as it continues its anti-bullying research, help and support for victims of bullying, and its work with schools to create safe school environments."

In 2013, the Anti-Bullying Centre moved from TCD to the School of Education Studies, DCU where it is now led by Dr James O'Higgins Norman.

## Enhanced Irish–Language Placename and Mapping Tools Launched

An enhanced Irish place-names database and a new Irish-language mapping service was launched by DCU in June. The new version of the Placenames Database of Ireland encompasses a number of major enhancements to its public-facing website [logainm.ie](http://logainm.ie). Speaking at the launch, Dr Ciarán Mac Murchaidh, Head of Fiontar, said that "Technological advancements in recent years have enhanced public access to lots of different types of information. In a country of two languages, it's important that every effort is made to ensure that as much information as possible is available in Irish, as well as English. This is particularly important, not only for students and teachers, but also for people across the world who are interested in exploring their Irish heritage."

## DCU President signs Campus Engage Charter

Professor Brian MacCraith was one of 20 Presidents of Ireland's Higher Education Institutions to sign up to the 10 point Campus Engage Charter on Civic and Community Engagement at a landmark event at Dublin Castle

this year. Under the Charter, the presidents underscored their commitment to the civic and community engagement role and responsibilities of their institutions. The launch of an Irish Charter for Civic and Community Engagement builds on the pioneering actions taken by other countries including Australia, UK and the US, who have signed up to similar national agreements to support and strengthen the civic role and responsibilities of higher education institutions. The Charter was developed by Campus Engage, a HEA funded, national initiative established to promote innovative teaching, learning and other activities in the area of civic and community engagement.

## DCU joins All-Ireland Palliative Care Institute

As part of a significant expansion of the All Ireland Institute of Hospice Palliative Care (AIHPC), this year DCU became one of 5 new partners to sign up to the AIHPC, bringing membership from 12 to 17 organisations. Following this expansion AIHPC now includes all universities and major hospice providers on the island of Ireland. Other new partners include Marymount University Hospital and Hospice, National University of Ireland Galway, National University of Ireland Maynooth and University College Cork. AIHPC was established in October 2010 and works to improve policy and practice, education and research relating to hospice and palliative care in both the Republic and Northern Ireland. The Institute is particularly committed to the engagement of users, carers and communities.

## Enterprise And Entrepreneurship Education

Over the last 6 years, DCU has worked with 7 other Irish higher education institutions as part of the HEA-funded ACE (Accelerating Campus Entrepreneurship) Consortium, to introduce enterprise and entrepreneurship education in non-business courses. Dr Emer Ní Bhrádaigh of Fiontar DCU and Peter Tiernan, School of Education Studies DCU successfully delivered Ireland's first accredited post-graduate module on entrepreneurship education for the Irish higher education sector. A total of 20 higher education academics and non-academics, each of whom was nominated by the President of his/her institution, successfully completed the level 9 10-ECTS entrepreneurship educators module accredited by DCU.



# Sporting Highlights



## Bank of Ireland renews Sports Academy Partnership

In February, Bank of Ireland extended its partnership with the DCU Sports Academy for a further three years. Under the partnership, Bank of Ireland provides support for the wider development of athletes, through mentoring, work experience and internships. Bank of Ireland has a strong association with DCU Sports Academy dating back to 2008.

## DCU awards accreditation to GAA Coaches

The DCU GAA Academy awarded certificates to local GAA volunteers and intercounty players who completed the level one GAA coaching course. Indicative of DCU's commitment to engagement and outreach, the course is part of a unique joint initiative by DCU GAA Academy in collaboration with the Dublin GAA County Board and it is the first of its kind that has been rolled out at University level. Jason Sherlock, Ross Munnely, Paul Griffin, Paul Casey and Declan Lally were among those who took part in the course. Key modules covered throughout the course include Technical Proficiency, Tactical Prowess, Team Play, Physical Fitness, Psychological Focus and Communication.

The award is the second grade in the GAA coaching pathway. The accolades were awarded by Coaching Ireland after the completion of a six-week course. A number of high-profile coaches were involved in the tutoring, including former Laois manager Sean Dempsey and Dublin Games Development Officer Ger O'Connor.

## DCU GAA Academy awards Sport Scholarships

DCU sport scholarships were presented by the DCU GAA Academy to 40 students who have shown commitment to DCU's GAA teams. The scholarship include subsidised campus accommodation, athlete mentoring, high performance education talks, sports injury management, sports nutrition advice, strength & conditioning training and access to the University's high performance gym. Director of DCU's GAA Academy, Michael Kennedy, spoke of the benefit of the scholarships to students on both a sporting and academic level. saying "It is our vision that the scholarship programme will facilitate the ongoing development of these players and allow them to achieve the highest standards both in their chosen sport and their academics.

The DCU Scholarship programme is a key part of the DCU strategy to provide a pathway for students to become the best they can possibly be in their sport.” The DCU GAA Academy provides talented young players with the opportunity to develop their sporting skills while obtaining a third level qualification leading to a sustainable, long-term career. DCU GAA elite players hail from 25 counties in Ireland and have included many All-Stars.

### Darren Sutherland Memorial Cup



In March, the Darren Sutherland Memorial Cup, an intervarsity boxing tournament organised by DCU Boxing, and sponsored by the Bank of Ireland, took place in commemoration of the late Olympic boxing Bronze medallist and DCU Sports Science graduate.

### DCU Student Wins Bronze Medal at European Boxing Championships



Clare Grace won a bronze medal for Ireland at the European Boxing Championships in Bucharest. Grace became the second ever Irish woman, after Katie Taylor, to secure a senior boxing medal at the European Championships. Grace is a Sports Science and Health student in DCU's School of Health and Human Performance.

# University Overview

## Campus Developments

### Green-Campus Flag awarded to DCU



DCU was awarded a Green-Campus Flag by An Taisce as part of its international environmental education programme and award scheme, making DCU the third University campus in Ireland to attain this prestigious international award. To attain the flag DCU had to maintain its target of reducing annual energy consumption by 3% per annum; improve its overall rate of recycling and waste prevention; significantly enhance and protect biodiversity on campus through the DCU Community Garden and implement a long term campus-wide engagement campaign on sustainability.

The DCU Green Committee, established to implement the seven-step programme, was composed of members from across the University including the Estates office, all faculties and a large number of students. An Taisce commended the University on taking the unique step of creating the position of Sustainability Manager to co-ordinate initiatives across the campus.

In 2012, DCU established the Sustainability@DCU Initiative to develop and build an understanding of sustainability that demonstrates the need to balance economic, environmental and social factors in campus activities to create a sustainable future for all. The objective was to develop, demonstrate and embed an ethos of sustainable development via cross-campus projects focusing on the primary activities of Teaching and Learning, Research, Development and Innovation as well as demonstrating these in the operation and management of the DCU Campus.

## Facilities Award for DCU

DCU Estates Office were delighted to receive a Facilities Award for recent development work carried out on the DCU Innovation Campus. The 'Facilities Management Achievement' award was presented in recognition of Impact and Restoration of buildings on the site. The Innovation campus is located on a 9.5 acre site located between Griffith Avenue and the Old Finglas Road, and formerly housed the Institute of Industrial Research and Standards. Most recently, it was the home of Enterprise Ireland, and was transferred to DCU in 2013 when it became the DCU Innovation Campus. Plans for the campus now include the refurbishment of c.100,000 sq. feet of office space, across a number of buildings. This award recognises the sympathetic and appropriate nature of the work that has been carried out to date.

At the same ceremony, DCU Estates office also shared a joint award with Lynch International and Camfil, for their innovative use of energy saving air filters used on the DCU main campus. The award winning filters were installed last year and are effective in cutting the energy use in all fan motors in various locations across campus.

## Bank of Ireland branch opens in DCU

In December, the Minister for Education and Skills, Ruairi Quinn TD, formally opened a new Bank of Ireland concept branch on campus. The new branch incorporates an open-front design and features a digital wall with five zones, allowing customers to interact with the full range of Bank of Ireland services.





## Governance and Leadership

### Governing Authority Members October 2013 – September 2014

Dr Martin McAleese	Chancellor	
Prof Brian MacCraith	Chief Officer	
Cllr Ciaran Byrne	Nominee of Local Authority	last meeting 12/6/14
Mr Aaron Clogher	Students Union	last meeting 12/6/14
Ms Shirley Coyle	Other Academic Staff	last meeting 13/12/13
Ms Mairead Dunne	Ministerial Nominee	
Mr Dermot Egan	Artistic, Cultural Interest	
Mr Sean Farren	Ministerial Nominee	
Prof Eithne Guilfoyle	Senior Officer	
Ms Gary Joyce	Ministerial Nominee	
Prof Daire Keogh	Linkage Agreement with St. Pat's	
Dr Ciaran MacMurchaidh	Linkage Agreement with St. Pat's	last meeting 17/10/13
Ms Orlaith McBride	Artistic, Cultural Interest	
Dr Patrick Mc Devitt	Linkage Agreement with All Hallows	
Dr Andrew McGrady	Linkage Agreement with Mater Dei Institute of Education	
Mr Pdraig McKeon	DCU Educational Trust Nominee	
Ms Phylomena McMorow	Non Academic Staff	
Ms Caroline Mc Mullan	Other Academic Staff	
Ms Regina Moran	Employers, Trade Unions	
Prof Gary Murphy	Professors / Assoc Prof	
Dr Noel Murphy	Other Academic Staff	
Mr Ciaran O'Connor	Students Union	last meeting 12/6/14
Dr Declan Raftery	Senior Officer	
Prof Fiona Regan	Professors/ Assoc Prof	
Mr Paul Smith	Non Academic Staff	
Ms Margaret Sweeney	Employers, Trade Unions	
Mr Kenneth Browne	Students Union	first meeting 18/9/14
Ms Eve Kerton	Students Union	first meeting 18/9/14
Mr Tom McCarthy	Employers, Trade Unions	first meeting 13/12/13
Mr Owen Keegan	Employers, Trade Union	first meeting 18/9/14
Mr Terence O'Rourke	Empolyers, Trade Unions	first meeting 13/12/13
Mr James Corcoran	Alumni Rep	
Mr Paul Hyland	Students Union – St. Pat's	last meeting 12/6/14
Ms Marian Burns	Senior Officer	
Mr Ciaran McGivern	Senior Officer	
Mr Jim Dowling	Senior Officer	

#### Governing Authority Meetings Attended – October 2013 – September 2014

Dr Martin McAleese	6/6
Prof Brian MacCraith	6/6
Cllr Ciaran Byrne	2/5
Mr Aaron Clogher	5/5
Ms Shirley Coyle	1/6
Ms Mairead Dunne	2/6
Mr Dermot Egan	3/6
Mr Sean Farren	6/6
Prof Eithne Guilfoyle	5/6
Ms Gary Joyce	2/2
Prof Daire Keogh	5/6
Dr Ciaran MacMurchaidh	1/1
Ms Orlaith McBride	1/6
Dr Patrick Mc Devitt	2/6
Dr Andrew McGrady	5/6
Mr Padraig McKeon	3/6
Ms Phylomena McMorrow	6/6
Ms Caroline Mc Mullan	4/6
Ms Regina Moran	2/6
Prof Gary Murphy	6/6
Dr Noel Murphy	6/6
Mr Ciaran O'Connor	5/5
Dr Declan Raftery	6/6
Prof Fiona Regan	4/6
Mr Paul Smith	5/6
Ms Margaret Sweeney	6/6
Mr Kenneth Browne	1/1
Ms Eve Kerton	1/1
Mr Tom McCarthy	5/5
Me Owen Keeegan	1/1
Mr Terence O'Rourke	5/5
Mr James Corcoran	4/6
Mr Paul Hyland	3/5

## University Financial Report

### INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 30 SEPTEMBER 2014

	2014	2013
	Euro	Euro
	'000	'000
<b>INCOME</b>		
State Grants	24,467	25,729
Student Fees	59,461	57,878
Other Income	6,985	6,803
	<u>90,913</u>	<u>90,410</u>
St. Patricks College, Drumcondra	33,347	18,453
Mater Dei Institute of Education	2,651	2,846
Research Grants and Projects	46,059	42,833
	<u>82,057</u>	<u>64,132</u>
Total Income	<u>172,970</u>	<u>154,542</u>
<b>EXPENDITURE</b>		
Academic Faculties and Departments	53,032	53,358
Academic and Other Services	5,686	5,748
Premises	7,456	7,908
Amount Allocated for Capital Purposes	2,702	1,865
Central Administration and Services	9,734	10,381
General Educational Expenditure	621	771
Student Services	5,383	5,169
Miscellaneous Expenditure	6,297	5,207
	<u>90,911</u>	<u>90,407</u>
St. Patricks College, Drumcondra	33,347	18,453
Mater Dei Institute of Education	2,651	2,846
Research Grants and Projects	46,059	42,833
	<u>82,057</u>	<u>64,132</u>
Total Expenditure	<u>172,968</u>	<u>154,539</u>
Surplus on Activities before Amortisation of Capital Reserves and Grants and Depreciation of Fixed Assets	2	3
Depreciation of Fixed Assets	(19,668)	(8,351)
General Reserve movement	<u>19,668</u>	<u>8,351</u>
Surplus for the year	<u>2</u>	<u>3</u>



# BALANCE SHEET AS AT 30 SEPTEMBER 2014

	2014	2013
	Euro	Euro
	'000	'000
<b>FIXED ASSETS</b>	<u>258,642</u>	<u>249,587</u>
<b>INVESTMENTS</b>	<u>1</u>	<u>23,524</u>
<b>CURRENT ASSETS</b>		
Cash on hand and at bank	13,255	22,928
Debtors and Prepayments	42,429	30,609
Stocks	<u>142</u>	<u>166</u>
	<u>55,826</u>	<u>53,703</u>
<b>Less: CURRENT LIABILITIES</b>		
Creditors and Accrued Expenditure	93,379	91,211
Bank Overdraft	<u>712</u>	<u>-</u>
	<u>94,091</u>	<u>91,211</u>
<b>NET CURRENT LIABILITIES</b>	<u>(38,265)</u>	<u>(37,508)</u>
<b>LONG TERM LIABILITIES</b>		
Creditors due after one year	432	688
	<u>219,946</u>	<u>234,915</u>
<b>REPRESENTED BY:</b>		
General Reserve	219,608	209,288
Restricted Reserve	-	25,291
Revenue Reserve	<u>338</u>	<u>336</u>
	<u>219,946</u>	<u>234,915</u>

## DCU Student Numbers

### DCU Students by Qualification Type

	Full-time	Part-time	Total
Undergraduate	7648	228	7876
Postgraduate Taught	838	958	1796
Postgraduate Research	507	185	692
Non Award Visitors	351	297	748
<b>Total</b>	<b>9344</b>	<b>1668</b>	<b>11112</b>
Exchange	262		262

*\*DCU Students registered on 1st March, 2009. Does not include DCU Distance Education Students registered with DCU. Incoming exchange students reported separately.*

### DCU Students by Faculty

	Full-time	Part-time	Total
DCU Business School	2388	618	3006
DCUBS/HSS	228		228
Engineering & Computing	1581	126	1707
Humanities & Social Sciences	2331	346	2680
Science & Health	3036	323	3568
Non Award Visitors + Administration	42	43	85
<b>Total</b>	<b>9606</b>	<b>1456</b>	<b>11274</b>

*\*DCU Students registered on 1st March, 2009. Does not include DCU Distance Education, Exchange Students registered with DCU.*

### DCU Distance Education (Oscail) Students

	Number
Postgraduate	961
Undergraduate	136
<b>Total</b>	<b>1097</b>

*\*DCU Students registered on Oscail Distance Education Programmes on 1st March, 2014.*

### DCU Students by Gender

	Full-time	Part-time	Oscail	Total
Male	3746	48	436	4230
Female	3868	80	389	4337
<b>Total</b>	<b>7632</b>	<b>1976</b>	<b>952</b>	<b>8567</b>

*\*DCU Students registered on 1st March, 2014. Excludes incoming Exchange Students registered with DCU.*

### International Students

	Number	%
Total International Students*	1,685	17.5

*\*International Students are defined as undergraduate and Postgraduate students or students on the Study Abroad Programmes with a Non-Irish Nationality. Nationalities used are those used by the HEA and the CSO and as a result students from Northern Ireland are deemed Irish and as a result not International. Excludes Incoming exchange students. Proportion of students based on total DCU students (excluding Oscail and Royal Irish Academy of Music)*

# Year at a Glance

## October

- The annual Volunteer Expo takes place - over 65 voluntary organisations participate
- Dr Walt Kilroy of the School of Law and Government is awarded the Basil Chubb Prize for the best PhD in political science at an Irish university
- Launch of the Centre for Family Business
- Student, Aaron Kenny, BSc in Actuarial Mathematics receives the RIA Hamilton Award
- UStart inaugural Investor Day takes place
- Government and industry to invest 19.8 million in CNGL intelligent content research
- N.I. peacebrokers are honoured in special honorary conferring award ceremony.

## November

- Professor Serge Haroche, 2012 Nobel Laureate in Physics, delivers the DCU Magnet Nobel Laureate lecture
- Launch of the National Institute for Digital Learning
- DCU hosts its first TEDx event, under the theme 'Transforming Lives and Societies'
- DCU and Special Olympics Ireland announce details of a unique All-Ireland research project on the health and wellbeing of people with intellectual disability. SOPHIE is funded by the Iris O'Brien Foundation



*Dr Maryrose Sweeney, Professor Brian MacCraith, with a Special Olympian and CEO, Special Olympics Ireland, Matt English, at the launch of SOPHIE*

- Launch of 3U Partnership's MSc in Humanitarian Logistics and Emergency Management
- Honorary Doctorates conferred on Irish sporting celebrities Sean Kelly, Brian O'Driscoll and Katie Taylor (in absentia) and Dr. Tony Scott, co founder of what is now the BT Young Scientist and Technology Exhibition
- Harry Potter star, Evanna Lynch, launched an anthology of writings by students from the Centre for Talented Youth, Ireland (CTYI) , entitled 'Words to Tie to Bricks'.

## December

- Launch of new SFI Centre INSIGHT
- Media Production Society holds its annual DCUtv 24 Hour Broadcast in aid of the Make-A-Wish Foundation Ireland
- Indian Ambassador to Ireland, HE Smt. Radhika Lol Lokesh pays her first visit to DCU



*L to R: D Pandya, Director, Ireland India Institute, HE Smt. Radhika Lol Lokesh, Professor B MacCraith, Dr J Doyle*

- President Michael D Higgins marks the publication of 'The Irish Presidency: Power, Ceremony and Politics', edited by Professor John Coakley, UCD, and Dr. Kevin Rafter, DCU, with contributions from Professor Robert Elgie, Professor Gary Murphy and Dr Eoin O'Malley, at a special event at Áras an Uachtaráin.



## January

- International School of Biomedical Diagnostics established by DCU and ASU
- DCU Campus Residences receives two awards (Gold and Supreme) at the annual Irish Accommodation Services Institute awards ceremony
- Launch of the €2.7m dementia research project, Elevator
- NCSR €1million water monitoring project
- In the latest global 'green campus' league table, Universitas Indonesia Greenmetric World University Rankings, DCU jumps 34 places to 46th
- Success for DCU in the QS World Top 50 Under 50 rankings.

## February

- School of Physical Sciences hosts the 'Institute of Physics in Ireland Tyndall Lecture'
- EU- funded dementia project, ACcess to Timely Formal Care, Actifcare, is launched in DCU
- DCU welcomes new Indian Cultural Relations Chair Professor Priyankar Upadhyaya.

## March

- DCU hosts the 20th All-Ireland Programming Olympiad National Finals. The computer programming competition for second-level students is sponsored by the School of Computing, DCU and Fidelity Investments
- Annual Service of Remembrance and Memorial Scholarship Ceremony, in memory of past students, graduates and friends of DCU takes place
- Design award for DCU at the 32nd Irish Concrete Society Awards. The DCU lettering, located in front of The Helix, took the prize in the Elemental Category which recognises smaller projects in which concrete has been used. The winning project was the result of a collaboration involving Hanley Pepper Consulting Engineers, Zap Architecture, Collins Maher Martin Architects, the McKeon Group and Techrete



- The winners of the 2014 President's Awards for Research announced

## April

- Success for DCU in the Times Higher Education Top 100 under 50
- McAleese Scholarships announced
- School of Communications partners with John and Sally McKenna, to produce a series of smart guides to hotel and dining experiences in Ireland, under an Enterprise Ireland Knowledge Partnership
- President's Awards for Teaching and Learning announced
- Invent Commercialisation Awards announced
- DCU becomes a partner under the All Ireland Institute of Hospice Palliative Care.

## May

- Professors Richard O'Kennedy and Dermot Diamond admitted to Royal Irish Academy
- Anti-Bullying Centre launched
- President's Awards for Engagement announced
- 6th annual Alumni Wall event takes place
- Multimedia students win the annual DARE2BDRINKAWARE.ie competition
- International Symposium on Disaster Ethics
- Professor Greg Hughes, School of Physical Sciences, Professor Martin Clynes, NICB, Dr Niall Barron, NICB and Dr Andreas Heise, School of Chemical Sciences awarded funding through the SFI Investigator programme.

## June

- President's Awards for Innovation announced
- Joint Graduate Certificate in Ethics (Healthcare), involving Mater Dei Institute of Education, the Institute of Ethics DCU and the School of Nursing and Human Sciences, DCU
- DCU GAA Academy Sports Scholarships awarded
- DCU Business School wins Irish Aviation Industry Award.

## July

- DCU / University of Ulster Strategic Partnership announced
- Professor Ronan Powell of DCU Business School appointed to Higher Education Expert Group to examine the future funding policy of higher education.

## August

- DCU's first two students of the BSc in Aviation Management (with Pilot Studies) graduate as cadet pilots in Jerez, Spain
- DCU in partnership with PCH hosted Ireland's first dedicated "Hardware Hackathon Weekend". The unique two-day event took place in DCU's Innovation Campus and brought together makers and Internet of Things hardware enthusiasts to conceive and prototype connected devices
- Launch of DCU Connected.

## September

- Bully4U and the Anti Bullying Centre host Ireland's first ever national cyberbullying conference, 'Understanding and Managing Cyberbullying'
- Launch of Dublin Aviation Institute
- DCU awarded a Green-Campus Flag by An Taisce.







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