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EILÍS O'BRIEN
Director of Communication

Hugh Brady's legacy

As the decade of Dr Hugh Brady's presidency draws to completion, in this edition of UCD Today we talk to him about the various initiatives undertaken during his term of office. In this piece he speaks about the vision and motivation that drove him to reform the curriculum, to encourage excellence in teaching and learning, to energise research activity and innovation, to boost non-exchequer income and philanthropic support, and to transform the campus.

If there is one word that sums up the transformation under Hugh Brady it is 'ambition'. From the start, he wanted UCD to stand out and be proud. Early in his presidency I conducted market research among staff, students and external stakeholders. The findings showed that, although there was warmth and a positive disposition towards the university, when pushed to articulate what UCD stood for, respondents found it difficult to express UCD's identity. The features were too nebulous, too disparate and uncoordinated.

Ten years on, the image and perception of UCD has clearly changed. We have a clear identity, which is reflected by the icons in our crest. Distinctly Irish, drawing on Dublin as our capital city and the harp as our national emblem, but modern and confident, reaching out to a global audience.

Often, at conferings, Hugh Brady has reminded graduates that this is a great university and that they are a part of it. Undoubtedly, his efforts as president have helped to make this so.

UCD thanks...

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In the compilation of this publication, every care has been taken to ensure accuracy. Any errors or omissions should be brought to the attention of UCD University Relations (communications@ucd.ie). We also welcome your suggestions for articles in future editions.

This publication is also available online at: www.ucd.ie/ucdtoday

Cover image: An interior in the UCD O'Brien Centre for Science, Phase Two, which was officially opened in October 2013



UCD Foundation Day honours for outstanding alumnus

The UCD Foundation Day Medal was awarded to Dr David O'Reilly at the UCD Foundation Day Event on November 15th. The Medal is awarded annually to a University College Dublin graduate who demonstrates great achievement. Dr O'Reilly is a UCD Engineering graduate who rose to the very top of one of the most competitive industries in the world as Chairman and CEO of Chevron Corporation.

"In recognition of his meteoric rise from UCD Chemical Engineering student to the pinnacle of the world oil industry and equally for his willingness to give back to his alma mater, not just financially, but also of his time, energy and wisdom to nurture future generations of UCD students, it is my great pleasure to present the 2013 UCD Foundation Day Medal to David O'Reilly," said UCD President, Dr Hugh Brady.

"David always appears to carry his great achievements lightly, and is equally engaged and courteous in discussions with undergraduate students and with national leaders. Generations of students and researchers in UCD will benefit from his leadership and from his generosity."

The Medal is awarded annually to a University College Dublin graduate who demonstrates great achievement. Previous recipients of the UCD Foundation Day Medal include: Peter Sutherland, Maeve Binchy, Brian O'Driscoll and Bill Whelan. It was inaugurated in 2004 to coincide with the 150th anniversary



Former CEO of Chevron, Dr David O'Reilly (left) was presented with the UCD Foundation Day Medal by UCD President, Dr Hugh Brady

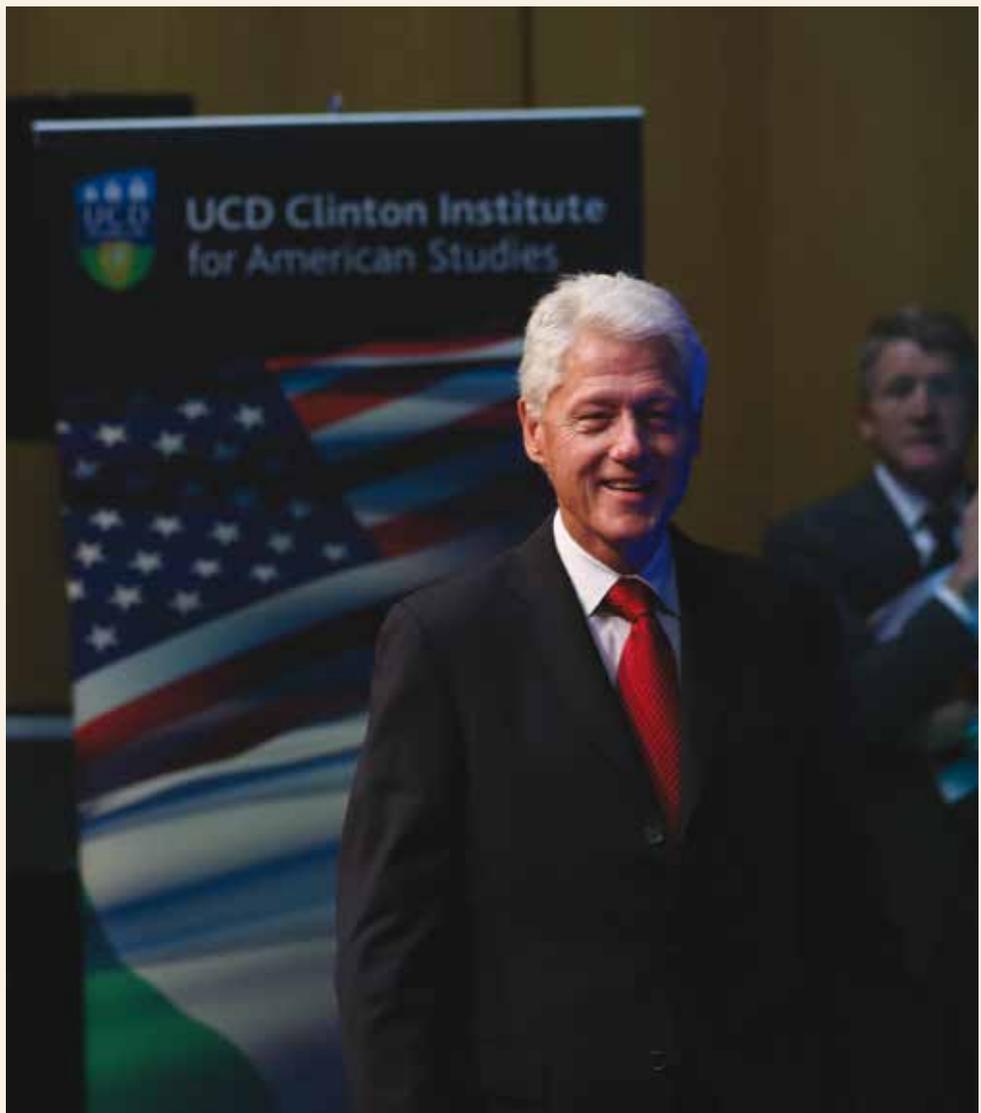
President Clinton Returns to visit the UCD Clinton Institute

President Bill Clinton returned to the UCD Clinton Institute on the 9th October to address a student audience and engage in questions on a wide range of topics. The event turned into an informal Q&A as the President spoke freely in response to student questions.

Speaking on current global challenges, President Clinton noted that the biggest change he has noticed since he was President is in the way power is dispersed globally. He argued this cuts several ways, offering many opportunities to create change and reform, as with the Arab Spring, but it also makes it difficult to take concerted action on pressing problems such as climate change. He observed that the "politics and policy prescriptions are daunting" and expressed a "wish I could live to be 150 years old to see how it all turns out"

There were also questions on the NSA scandal, on Northern Ireland, and on the work of the Clinton Foundation. The President was generous with his time in responses and the session ran over the scheduled hour.

The UCD Clinton Institute is grateful for President Clinton's continued interest in the work of the Institute.



President Bill Clinton, who recently returned to the UCD Clinton Institute to address a student audience and engage in a question and answer session

DR HUGH BRADY SPEAKS OF HIS TERM AS PRESIDENT OF UCD, ANSWERING QUESTIONS ON THE MANY CHANGES THAT HAVE TAKEN PLACE OVER THE PAST TEN YEARS.



Dr Hugh Brady

Ireland's development as an economy and a society. UCD, through its students, staff and graduates, has over its 160-year history played a central role in shaping of modern Ireland.

To this day, this is a responsibility, and indeed an obligation, that UCD takes very seriously. I have been privileged to serve the institution during one of the most remarkable boom, bust and recovery cycles in Irish history. It has been a roller coaster ride but I am very proud of our achievements during that period – achievements for which the wider UCD community – staff, students, alumni and friends – deserve much more credit than me.

Today, UCD is the 'university of first choice' among Irish students, is Ireland's most international university, is Ireland's leader in research funding and a host of research metrics and has recognised innovation as the third major strand of university activity, motivated by our objective to contribute to Ireland's recovery and future prosperity.

One of your first initiatives was the introduction of UCD Horizons. What was the motivation behind this curriculum reform?

Firstly the UCD Horizons modular curriculum built on UCD's traditional strengths to very deliberately encourage students to seek greater breadth as well as depth in their educational experience.

Secondly, the UCD Horizons modular degree structure gives staff members more flexibility when designing degree courses; enabling them to structure core stems with multiple specialization options that let students tailor their learning to their specific needs, especially at graduate level.

Thirdly, because the UCD Horizons curriculum structure and timetable maps to most of the world's top universities, it facilitates inward and outward international study.

What other initiatives are you proud of in the area of Teaching and Learning?

Our staff put enormous effort into their approach to teaching. The entire first semester has been re-shaped to support students through the culture shock of transition from the rote learning system of the Leaving Certificate cycle to the new and more challenging university environment.

Of equal importance, UCD has assembled an integrated programme of development courses and incentives for committed educationalists and has used its membership of the Universitas 21 (U21) international university network to ensure that UCD's teaching is informed by international best practice.

With an eye to international trends, we have begun a pilot through the launch of UCD ONLINE which will open further teaching and learning opportunities to existing students as well as opening new markets.

UCD was recently reported as being No. 1 in research funding from the EU FP7 programme having languished at around No. 4 in terms of FP6 funding. What was behind this turnaround?

I don't think it is possible to identify one single factor. During our strategic planning exercise in 2004, there was general consensus that UCD needed to 'up its game' in research and staff set about doing that with grit, determination and imagination. We created a small number of thematic multidisciplinary research institutes to promote collaborative research.

We created various supports and seed funding - particularly for those planning large

Ten years ago you set out an ambitious vision for UCD. How would you view UCD today? Are you satisfied with the progress that has been made?

UCD is one of Ireland's most important public institutions. It is unique among Ireland's universities in that it was born, not of an Act of Parliament or State endowment, but of an ideal. John Henry Newman saw this university as an institution that would not only benefit its individual students but that would also contribute to



multidisciplinary projects with significant external linkages. We reformed our promotions systems to reward and retain top quality research staff.

And we very publicly celebrated our research achievements – something that UCD may have been somewhat shy about doing in the past.

You mentioned earlier the ‘mainstreaming’ of innovation within UCD. Would you like to comment further on the innovation agenda?

The worst recession in living memory has prompted the UCD community to recalibrate the University’s contribution to wider society and the economy, specifically to help accelerate Ireland’s recovery. The innovation agenda is key to this contribution.

We have deliberately taken a broad view of innovation and our approach is very explicitly not limited to technology transfer and commercialisation of research but extends beyond science and technology and into the humanities and culture. Innovation applies equally to teaching and learning, administrative systems, building design and campus development.

How important is internationalisation to UCD?

Ultimately, most of our students will either live or work across borders and cultures, whether physically or virtually, from the day that they graduate. As educators we are preparing students for life as engaged global citizens.

Many of our major degree programmes have the option of study abroad. We have very deliberately set a target that at least 25% of our student body would be international and are very close to achieving this. Over 5,000 of our students in Dublin come from over 120 countries and a

further 5,000 students studying for UCD degrees at overseas locations.

Of late, we have been exploring the possibility of a small number of international locations where we could develop overseas campuses of scale that would be linked tightly to the mother ship in Dublin but also to each other. The first of these, the Beijing-Dublin International College (BDIC), opened in China’s capital in 2012.

In the domain of research, so many of the so-called ‘grand challenges’ facing society are global – human rights, poverty, climate change, food security, public health – and so many of the solutions to these challenges are being derived from collaborative transnational research. It is essential that our academic staff are highly networked internationally and, indeed, that our PhD students and early career researchers have access to mobility opportunities, technology platforms and research repositories across the globe.

We have found that our membership of the U21 has given us invaluable international perspectives to draw on. The network brings together 28 of the world’s leading research-intensive universities and has a particular focus on innovation in teaching and learning and on the internationalisation of the student experience.

What approach did you take to transforming the campus?

I should point out that I merely continued the job initiated by Michael Tierney, and continued so successfully by Paddy Masterson and Art Cosgrove.

It has been thrilling to be part of a great team that has had the opportunity to re-imagine the campus and fundamentally alter its look and feel. A key step was the adoption of the new Gateway Campus Masterplan which provided a wonderfully fresh blueprint for the development of the campus that celebrated Belfield’s natural green spaces, woodlands and water while, at the same time, unifying the campus’s unique mix of refurbished estate houses and modern architecture through beautiful landscaping.

Our teaching, research, recreational and residential infrastructure has been utterly

transformed. Over a relatively short period of time we have been fortunate enough to complete the O’Brien Centre for Science, Sutherland School of Law, Charles Institute for Dermatology Education and Research, Systems Biology Ireland, the new Student Centre, expansion of our student residences, and the redevelopment of the old Phillips factory at Newstead which houses Civil Engineering, UCD Institute of Sport and Health and Leinster Rugby.

We have also started a programme of refurbishment of the James Joyce Library and a master-planning process for the full Newman Building-Library complex.

However, I would consider our work on the landscaping, perimeter woodland walks and sculpture trail as equally important.

In today’s money, this campus development has amounted to well over €0.5bn of capital investment and, very importantly, over 50% of this came from non-Exchequer resources. I am particularly grateful to the alumni and friends of UCD who donated so generously to our *Campaign for UCD* and without whose generosity it simply would not have been possible to unlock the State investment and to produce facilities of such breathtaking quality.

As you finish your term, have you any regrets?

Perhaps that I am not a student in UCD today! UCD students today have greater educational choices, much stronger student supports and better facilities than ever before while the University still has the vibrant campus life that makes it such a special place. However, these are not my achievements but the result of an incredible team effort.

(an unabridged version of this interview is at: www.ucd.ie/ucdtoday)



Pictured at the official opening of the UCD O'Brien Centre for Science (l-r): Denis O'Brien, Irish businessman and philanthropist; Dr Hugh Brady, UCD President; Ruairi Quinn TD, Minister for Education and Skills; Dermot Gallagher, Chairman, UCD Governing Authority

UCD Celebrates Opening of O'Brien Centre for Science

The official opening of phase 2 of the UCD O'Brien Centre for Science by the Minister for Education and Skills, Ruairi Quinn TD, took place at an event on October 18th.

The Centre now boasts in excess of 38,000m² of new and refurbished accommodation at an overall cost of almost €175m. It will now become home to over 2,000 undergraduate students, more than 500 graduate students, and many more researchers across a range of scientific disciplines.

When complete the UCD O'Brien Centre for Science will be the single largest capital investment in science in the history of the State – at around €300 million; made up of state funding (PRTL 5, HEA), private philanthropy, and university funds.

Professor Brian Cox OBE, who is widely credited with making science both accessible and exciting for all ages and backgrounds, gave a special lecture at the official opening, which was followed by a Q&A session with the audience chaired by broadcaster Pat Kenny, a UCD engineering graduate. Professor Cox is arguably one of the best-known physicists today. His books and programmes have been read and watched by millions around the world. Professor of Particle Physics at the University of Manchester, Professor Cox is one of the leaders on the ATLAS projects at the CERN Large Hadron Collider.

Guests at the event had the opportunity to learn more about CERN as the travelling exhibition, *Mission Higgs* was on display in the UCD O'Brien Centre for Science from October 8th to 28th. The exhibition, co-ordinated by the



Pictured at the official opening of the UCD O'Brien Centre for Science (l-r): Denis O'Brien, Irish businessman and philanthropist; Dr Hugh Brady, UCD President; Ruairi Quinn TD, Minister for Education and Skills; Dermot Gallagher, Chairman, UCD Governing Authority



Prof. Brian Cox OBE took time to visit with students and staff in the UCD School of Physics during the opening celebrations for the UCD O'Brien Centre for Science



One of the displays from the UCD Mission Science exhibition, which celebrates the range of scientific endeavors taking place at UCD

UCD School of Physics, attracted large numbers of students, school groups and members of the public for a series of talks, not least due to the announcement earlier in October of the awarding of the Nobel prize to Francois Englert and Peter Higgs.

The range of scientific endeavours taking place at UCD was showcased and celebrated through the *UCD Mission Science* exhibition. This exhibition remains on display for students, staff and visitors to peruse.

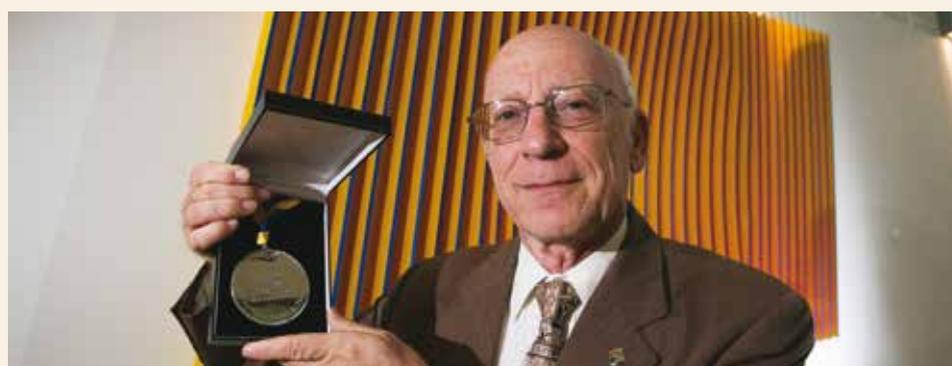
The transformation of the science infrastructure at UCD is due in great part to the extraordinary philanthropy of Denis and Catherine O'Brien; George and Angela Moore; Eddie and Hildegard O'Connor; Thomas and Deirdre Lynch; Dr Cormac and Anne Kilty; Jim and Mary Flavin; and Shay Garvey.

UCD's corporate partners Elan, Tullow Oil, Accenture, AOL, Glanbia, ICON, Intel and A. Menarini, have also endorsed the UCD vision for science through their generous philanthropy towards this development.

UCD Climbs in Times Higher Education World University Rankings

This year, UCD's ranking rose 26 places from 187 to 161 on the Times Higher Education (THE) World University Rankings. The main areas where UCD improved its scores in the THE ranking were in publications per academic, citation impact and international co-authorship. These indicators all fall within the category of improved quality and productivity.

UCD President, Dr Hugh Brady said: "UCD's climb up the THE rankings is a great credit to our staff who, despite continued cuts in State income since 2008, have worked tirelessly to maintain the high quality experience offered to our students, sustain our world-class research programmes, strengthen our ties with industry and civic organisations, grow our overseas programmes and greatly enhance our campus infrastructure, while at the same time, eliminating the University's deficit."



Barry Trost, Tamaki Professor of Humanities and Sciences at Stanford University, who was recently awarded the UCD Ulysses Medal

UCD Ulysses Medal for world-leading chemist

The UCD Ulysses Medal was recently awarded to Professor Barry Trost. A member of the National Academy of Sciences and a Fellow of the American Chemical Society, Professor Trost is currently the Tamaki Professor of Humanities and Sciences at Stanford University. He is one of the most highly cited chemists in the world, with over 63,000 citations of his 966 publications.

"This award recognises Professor Trost's distinction in the sciences; his outstanding contribution to the field of synthetic organic chemistry, most notably in the development of

Palladium catalysts and his pioneering work in 'atom economic' processes," said UCD President, Dr Hugh Brady, who presented the award.

Before receiving the award on 14 Oct 2013, Professor Trost gave the Wheeler Lecture in the UCD School of Chemistry and Chemical Biology entitled "On the Invention of Pd Catalyzed Reactions for Enabling Chemical Synthesis" to an audience of 250 staff, students and visitors. He also signed the Wheeler Wall in the School to add to the over 20 eminent previous Wheeler speakers. Professor Wheeler was Head of the Department of Chemistry at UCD from 1945-1962.

The UCD Ulysses Medal is the highest academic honour that the University can bestow and is awarded to those whose work has made an outstanding global contribution. The Medal was inaugurated as part of UCD's sesquicentennial celebrations in 2004 and celebrates the creative brilliance of alumnus James Joyce.

Conway Institute Celebrates 10 years of research excellence

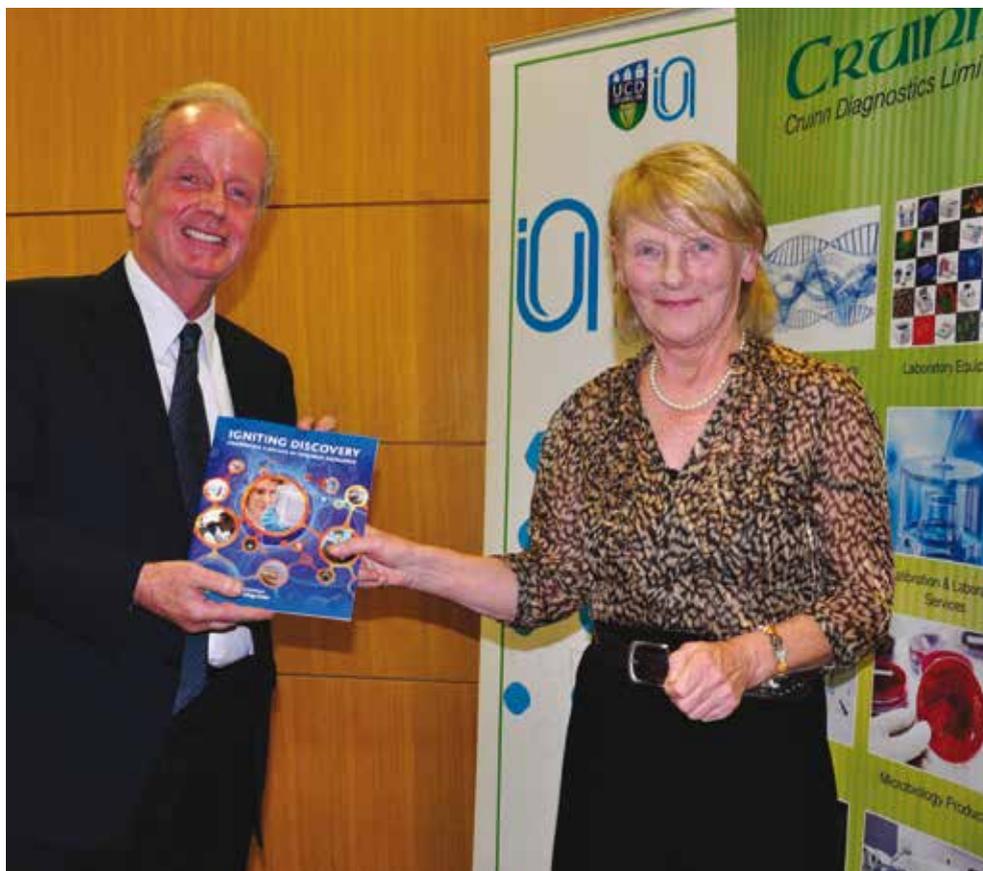
On September 12th 2013, UCD Conway Institute celebrated the 10th anniversary of its official opening with the launch of *Igniting Discovery*, a publication highlighting the research and innovation achievements of Conway researchers.

Over 700 PhD graduates and 350 postdoctoral researchers have been educated and trained to exacting international standards in the past ten years. The Institute's research portfolio includes 3,275 peer reviewed research publications with the top 1% published in the most prestigious scientific journals such as *Nature*, *Science* and *Cell*. In addition UCD Conway researchers currently have successful collaborations, leading to publications, with scientists from over 1,500 organisations in 70 countries.

Earlier this year, Conway Fellow, Professor Des Higgins broke the barrier of 100,000 total citations for his work on DNA sequence comparisons; making him the most highly cited Irish scientist in the past decade and one of the most highly cited scientists worldwide.

Since 2003, Conway researchers have disclosed 108 inventions, filed 139 patents, concluded 21 licence agreements and incorporated 7 UCD spin-out companies from the outputs of Institute research programmes.

Professor Walter Kolch, Director said, "When the Institute was established, its model of multidisciplinary and collaborative research was considered a radical vision of how scientific research should be carried out. Today, it is the gold standard."



Marking 10 years of research excellence at the UCD Conway Institute, Prof. Des Fitzgerald, UCD Vice-President for Research, presents the first copy of 'Igniting Discovery' to Ms Beatrice Conway, daughter of the institute namesake, Prof. Edward J. Conway FRS

2013 Conway Festival gold medal for cilia research

Doctoral candidate, Nils Lambacher was awarded the 2013 UCD Conway Festival of Research & Innovation gold medal, sponsored by Cruinn Diagnostics, for his research on the regulation of cilium structure in the worm model, *Caenorhabditis elegans*.

Nils, who is carrying out his studies under the supervision of Conway Fellow, Dr Oliver Blacque, impressed the judging panel with his concise overview of this research project and its innovative potential.

Cilia are present on nearly all of our cells and act like cellular antennae. They play fundamental roles in many motility and sensory functions, including signalling pathways critical to development. Ciliopathies is the collective name for a range of human diseases and syndromes that arise when genetic mutations disrupt the cilium structure and function. One

such example is nephronophthisis, the most common cause of kidney failure in children that affects 1 in 50,000 live births in Canada.

The research abstract by Nils Lambacher was one of 30 shortlisted for moderated presentation from 130 submissions. The other category winners were Crispin Alexander (Ferguson group); Elena Woods (Gautier group); Karolina Weiner-Gorzel (McCann group); Karen Hanrahan (Watson group) and Fiona McGillicuddy (substituted for Orla Finucane).

Conference delegates heard plenary lectures from Dr Frank Walsh, CEO, Ossianix; Dr Julian Parkhill, Wellcome Trust Sanger Institute and UCD Conway Fellows Professor Cormac Taylor and Professor Des Higgins. Professor Sir Stephen O'Rahilly, University of Cambridge, was awarded the Ulysses medal, UCD's highest accolade, in recognition of his outstanding contribution to research concerning the molecular mechanisms leading to diabetes, obesity and related metabolic and endocrine disorders.



The E.T. Hanrahan memorial symposium welcomed colleagues and family members of the late Professor Hanrahan, including (l-r) Dr Mark Richardson, Head School of Civil Structural and Environmental Engineering; Prof. Máire Ní Annracháin, Professor of Modern Irish Language and Literature; Emeritus Prof. Tom Casey; Mrs. Deirdre Hanrahan; Prof. Mairéad Hanrahan, Department of French, University College London; Dr Tadhg O'Hannrachain, Senior Lecturer, School of History and Archives; Dr Mike Long, Senior Lecturer, School of Civil Structural and Environmental Engineering

E.T. Hanrahan Memorial Symposium

Cabhraíonn Bord na Gaeilge leo siúd gur mhThe E.T. Hanrahan Memorial Symposium was held at the School of Civil, Structural and Environmental Engineering on September 11th. The main objective of the symposium was to honour the life and work of Eamon Hanrahan, who died in 2012 after 95 productive years. Eamon was former Associate Professor and Head of Department and was one of the "founding fathers" of Geotechnical Engineering in Ireland. His

research work on the engineering behaviour of peat is still highly regarded internationally. The symposium was attended by some 50 delegates, including Eamon's family, retired and current academic staff members and members of the geotechnical community in Ireland. It provided the opportunity to the delegates to hear of some of the latest developments in peat mechanics with speakers from Irish practice and from the Netherlands and Sweden.

Universitas 21 Educational Innovation explores Teaching and Learning in the Digital Age

UCD recently hosted a significant Educational Innovation conference which brought together senior academic staff from across the Universitas 21 network to address the issues and challenges of learning in a digital age. The prestigious U21 network (<http://www.universitas21.com/>) consisting of 27 leading research-intensive universities across the globe, came together to discuss issues of importance, share best practice and exchange ideas and suggestions for ways to collaboratively enhance international teaching and learning practices and policies.

The keynote address was given by Professor Diana Laurillard, a world expert on digital technology, and streamed live via the Teaching and Learning website, allowing UCD staff to 'tune in'. Professor Laurillard highlighted the emerging global demand for higher education and the ensuing cost/benefit challenges for universities' responses in utilizing technology enhanced learning and associated pedagogies for learning in a digital age.

The conference showcased online innovative projects at the Universities of Melbourne, Queensland, Edinburgh, and UCD. Professor Michael Doherty, UCD School of Veterinary Medicine, delivered a presentation on how the School is using blended learning to equip veterinarians with skills to implement preventive medicine systems on dairy farms in Ireland.

Organisation of the conference involved a great team effort from the UCD conference committee, led by Professor Bairbre Redmond and involving UCD Teaching and Learning as well as Fellows in Teaching & Academic Development and UCD International. Videos of the conference presentations are available at <http://www.ucd.ie/teaching/>

GETTING IT RIGHT FROM THE START: A STRATEGY FOR IRELAND'S SMALLEST CITIZENS

Ireland has for too long tolerated a policy deficit in the area of early childhood education. Significant political energy has gone into the development of primary and post-primary schooling, but the care and education of children under the age of six has never enjoyed the same attention.

Minister for Children, Frances Fitzgerald TD, the first to be anointed with the title, has committed to the delivery of Ireland's first Early Years Strategy by the end of 2013, and earlier this year she asked a team of researchers and experts in the field, led by UCD's Ellis Hennessy, to prepare the ground.



Dr Ellis Hennessy, senior lecturer, School of Psychology, pictured with Frances Fitzgerald TD, Minister for Children, at the launch of *Right from the Start*, the report of the Expert Advisory Group on the Early Years Strategy, chaired by Dr Hennessy. Photo by Alan Betson, courtesy of The Irish Times

The Expert Advisory Group (EAG) on the Early Years Strategy, chaired by Dr Hennessy, senior lecturer, School of Psychology, was made up of a range of experts with knowledge of the issues that affect children in their early years. This autumn the group produced a report, entitled 'Right From The Start', laying out the key priorities and goals of an enlightened early childhood strategy for Ireland.

"When we first came together the Minister made it clear that what we were about to do could have a lasting impact on generations of children in Ireland," says Dr Hennessy. "Our task, as we saw it, was to address the needs and opportunities of every child in Ireland from the health of the mother during pregnancy up to six years old."

Dr Hennessy explains the urgency of developing this strategy at this time. "We have over 480,000 children under six, representing 11 per cent of the population. By 2021, the number of children in this age group is projected to increase by up to 20 per cent. Taking all of this into account, our report sets out our vision for young children in Ireland and the principles that must underpin a strategy."

Five peaks over five years

The group identified five 'peaks' that they believe need to be scaled over the next five years to transform the experience of children living in Ireland. It starts, inevitably, with investment.

"We lag behind other countries in this regard and one of the first peaks to be scaled is that funding deficit," she says. "Our current spend on early years care and education is 0.4 per cent of GDP. The international benchmark is 1 per cent. In the next five years, we have recommended increasing the spend to 0.7 per cent of GDP. This is necessary if we want higher quality, more accessible and more affordable services, staffed by professionals at all levels."

Any robust early years strategy must value and support the home environment as well as the school and care setting. To this end the Expert Group has made specific recommendations on parental leave.

"We have proposed that over the next five years paid parental leave should be increased incrementally so that, by the end of the period, parents can avail of one year's paid leave after the birth of each child, and two weeks' paid paternity leave around the birth of a child."

The third peak described in the Report extends the theme of supporting the family. The Expert Group has outlined the need for a dedicated service to provide integrated resources for parents and children, not just in the immediate period after birth but right through the early years of a child's life.

"What we are suggesting is a comprehensive service across the ante-natal period through to the early years that is integrated and co-located with Primary Care Teams, as envisioned in the Task Force Report (2012)," Dr Hennessy explains. "The service should be flexible so that first time parents and children and families with more complex needs can have more support. Home visits are important because they provide health professionals with better information about the child's and families' needs."

The need for well-resourced, professionally staffed and rigorously monitored childcare services was highlighted dramatically during the period of the Reports' development, as RTE's Prime Time revealed the questionable standards of some of Ireland's commercial childcare facilities.

"Our fourth peak is concerned with good governance, accountability and quality in all services," says Dr Hennessy. "Too many children have been let down in Ireland by insufficient governance, communication and accountability. By the end of the strategy's ten years, no child should be in a low-quality care and education service. Public money should not be allocated to services that fall below quality standards."

The fifth peak involves the extension of the free pre-school provision to encompass a longer period of early childhood education. "We acknowledge that this would require significant increases in training and development of the early childhood education professional workforce," says Dr Hennessy.

The Report, which based its conclusions on a comprehensive review of research and practice in other jurisdictions as well as drawing on the significant and wide ranging experience of the Expert Group, now lies with the Minister. It is anticipated that she will give her response to the Report in December and that the Government's Early Years' Strategy will be published before the end of the year. Dr Hennessy is optimistic that the work of the Expert Group will underpin the Strategy.

"Very few other countries have produced a Strategy as comprehensive as the one proposed by the Minister," she says. "The implementation of an Early Years Strategy of this scope could be the single most effective action on behalf of young children in Ireland in our lifetime."

Dr Ellis Hennessy was in conversation with journalist Louise Holden (M.Ed. 2008)



UCD Sutherland School of Law

UCD Sutherland School of Law is officially opened

A newly designed and landscaped lakeside setting on the Belfield campus is the location of the UCD Sutherland School of Law. Officially opened on November 29th, the iconic 5,100 square metre facility brings all the teaching, research and professional development activity of the Law School together into a single building. It is the first purpose-built university Law School in Ireland.

Named after Peter Sutherland SC, the UCD Sutherland School of Law honours his achievements both as a UCD law graduate and on the world stage.

The €25 million project was financed from a major leadership gift from Peter Sutherland SC, significant government investment under the National Development Plan 2007 – 2013, and gifts from other leading benefactors, major law firms and private donors.

Teaching spaces in the UCD Sutherland School of Law are designed to promote the active engagement of students with the law. These include a clinical legal education centre where students can develop their advocacy, dispute resolution, client counselling and negotiation skills in simulated courtroom and office settings. The largest theatre in the facility also serves as a ceremonial moot court.

Opportunities to incorporate a range of aspects of legal practice into their learning will enhance students' understanding of how the legal system works through their experiences.

"UCD Sutherland School of Law will propel Ireland's growing international reputation as a location for the study and research of law to the next level," said UCD President, Dr Hugh Brady.

"This outstanding new facility brings all of our research and teaching activities in the law into



Pictured at the official opening of the UCD Sutherland School of Law: PhD Law student Elizabeth Corcoran (l) and Auditor of the UCD Law Society, Rachel Duffy (r) with Peter Sutherland SC

one single location to create a vibrant atmosphere where our scholars can share their knowledge and ideas and lead Ireland to the forefront of legal education and research."

"It is through the singular vision and generosity of one of our most distinguished alumni, Peter Sutherland, that this development was made possible, and from which generations of students and scholars will enormously benefit," he added.

Speaking at the opening, Peter Sutherland SC said: "I am very proud, as an alumnus of UCD School of Law, to be associated with this magnificent new building and to have been able to play a part in making it happen. Education is one of the most important benefits we can pass on to future generations. The rule of law underpins the cohesiveness and prosperity of society,

making a sound legal education one of the most important we can deliver."

"The new School has been designed to further deepen a strong sense of community within a transformative educational environment where staff and students work together and flourish," said Professor Colin Scott, Dean of Law at University College Dublin.

Designed by Molony O'Beirne architects, the new School offers a national resource, of the highest international standards, to underpin innovation in legal education, research and practice.



The largest theatre in the new UCD Sutherland School of Law also serves as a ceremonial moot court. In this simulated courtroom setting students will better develop their advocacy, dispute resolution, client counselling and negotiation skills

■ Former U.S. General reflects on political challenges in the Middle East and beyond

The 2013-14 seminar series of the School of Politics and International Relations was inaugurated in UCD's Global Lounge on September 18 by retired U.S. General John Abizaid, who spoke on the topic of 'American Strategic Choices'. General Abizaid served for 34 years in the US Army and was, at the time of his retirement, the longest-serving commander of U.S. Central Command, with responsibility for 27 countries in the Middle East, Southwest Asia and the Horn of Africa. During his career, he served on combat zones in Grenada, Lebanon, Kurdistan, Bosnia, Afghanistan and Iraq. In 2007, he assumed the Distinguished Chair of the Combating Terrorism Centre at West Point.

In a wide-ranging presentation, General Abizaid reflected on challenges facing the U.S. in the Middle East and beyond, noting the instability being generated by current events across the region from North Africa to Syria and Iran and the challenges posed by these for



Special guest General John Abizaid opens the School of Politics and International Relations seminar series 2013/14 at an event in the UCD Global Lounge

the U.S. and the international community more broadly. He also discussed the future of U.S. relations with China, Russia and other emerging powers. There was a lively and challenging

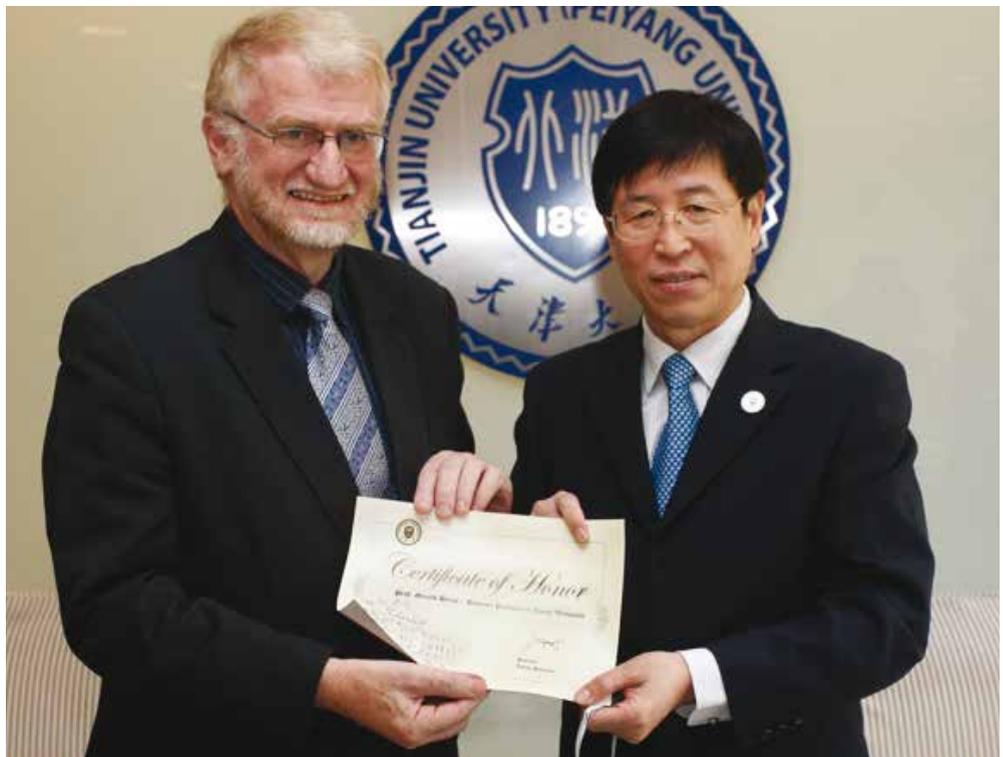
question and answer session following the conclusion of the presentation, which was attended by a large audience.

■ Professor Barry Smyth leads RIA Discourse on Big Data

On September 26th Professor Barry Smyth, CEO of Insight Centre for Data Analytics, presented a public lecture at the Royal Irish Academy. The Academy Discourse, entitled *Small Sensors. Big Data. From Clarity to Insight in the World of the Sensor Web* discussed the world of the sensor web and how all of our lives will be changed by the so-called Big Data revolution, from healthcare and education to transport and media.

Professor Smyth also held an Academy Masterclass with a group of a dozen PhD researchers from across Ireland. The Academy Masterclass series is designed to provide selected young researchers with an opportunity to learn from leading researchers about many of the challenges that they are likely to face in their own careers. The Royal Irish Academy has organised seven Masterclasses to date. The classes were given by notable international researchers, with four of the classes facilitated by Nobel laureates.

Professor Smyth holds the Digital Chair of Computer Science in UCD. He is the CEO of the new Insight Centre for Data Analytics, a recent SFI-funded research centre focusing on the world of data analytics and a joint initiative between UCD, UCC, DCU and NUIG. He is also successful entrepreneur, having co-founded Changing Worlds, a leading provider of personalised mobile internet services and more recently HeyStacks.



Prof. Gerry Byrne, Principal of UCD College of Engineering & Architecture and Dean of Engineering (left), who was recently awarded the title of honorary professor of Tianjin University, China, by its President, Prof. Li Jiajun (right)

■ Professor Gerry Byrne receives Honorary Professorship from Tianjin University

On 25 October 2013, Tianjin University, China, awarded the title of honorary professor to Professor Gerry Byrne, Principal of UCD College of Engineering & Architecture and Dean of Engineering. Tianjin University President, Professor Li Jiajun, bestowed the award on Professor Byrne

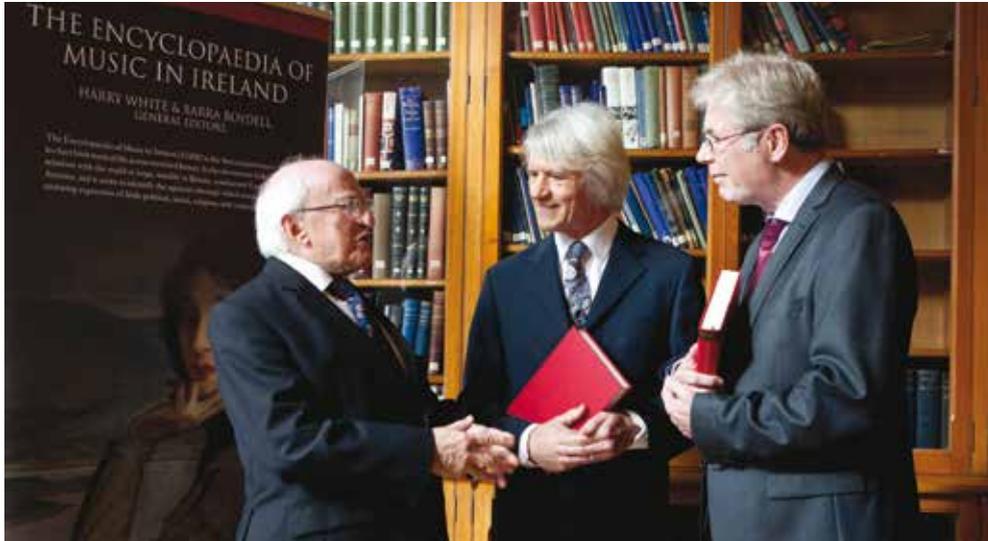
Tianjin, with a population of 13 million, is a metropolis in northern China and one of the five national central cities of the People's Republic of China (PRC). Founded in 1895 as Peiyang

University, Tianjin University (www.tju.edu.cn/english/) was the first university established in China. It is among China's top universities.

In its almost 120 years of existence, Professor Byrne is only the 75th recipient of the Honorary Professorship Award.

The UCD School of Electrical, Electronic and Communications Engineering has partnered with the Tianjin School of Optoelectronics and Precision Engineering to offer a dual qualification and will receive masters students into UCD commencing in September 2014.

Mapping Ireland's Musical History



Pictured at the recent launch (l-r): President of Ireland Michael D Higgins and the General Editors of *The Encyclopaedia of Music in Ireland*: Prof Barra Boydell, Department of Music, NUI Maynooth; and Prof Harry White, UCD School of Music

Mapping Ireland's musical history was a dream project for a group of musicologists who finally were gifted the opportunity to produce Ireland's first encyclopaedia of music. *The Encyclopaedia of Music in Ireland* (or *EMIR* as it has come to be known) was a project in the making for ten years.



The Encyclopaedia of Music in Ireland, recently published by UCD Press

The final volumes include entries on composers, genres of music, bands and ballads, venues and even references to ancient musical texts. However, it is the scope of the work that will fascinate not just scholars and academics but the wider public.

Joint General Editor Professor Harry White, Chair of Music in UCD, explained how he had come to work on the mammoth project and what inspiration and previous research had contributed to EMIR's creation.

The idea had been in part triggered by the publication of *The Encyclopedia of Music in Canada* in 1981, when Professor White was a graduate student of musicology in Toronto. By the time he was a junior academic in 1988, he published a survey of musicology in Ireland.

"This was an attempt to show that 'people are really writing about music of all kinds, including Irish music, in this country'," he says.

"I simply wrote, rather laboriously, to everybody in the country who was engaged in some kind of music scholarship and asked them to tell me what kinds of things they had published and what projects they were working on."

He then produced a report recommending that there be an encyclopaedia of music in Ireland.

Further events and projects helped press for the need for an academic work to cover Ireland's musical history. In 1995, there was the first international musicological conference in the history of the state, which was jointly organised by the (then) Departments of Music at UCD and Maynooth, and which took place in Maynooth during the bicentenary celebrations of that university. The select proceedings of this conference appeared in 1996 and included a paper which further made the case for a comprehensive work of reference on music in Ireland. Later, in 2003, Professor White and his colleagues formed the Society for Musicology in Ireland (SMI). The SMI was to play a significant role in amassing the research expertise necessary to undertaking and completing this massive project.

Then Irish American philanthropist Chuck Feeney offered NUI Maynooth research funding and part of the money went towards providing the resources necessary for such an encyclopaedia.

"By then, quite a lot of people were talking about it," adds Professor White.

Professor White and Professor Emeritus Barra Boydell, of NUI Maynooth, were invited to edit the encyclopaedia by NUI Maynooth's Professor Gerard Gillen.

Professor White at that stage had a wealth of experience working on academic music projects. His previous research had included music in 18th-century Vienna and music in Ireland. In 1998 he had published *The Keeper's Recital: Music and Cultural History in Ireland, 1770-1970*.

Furthermore, he had been general editor of a series of books dedicated to musicology called

Irish Musical Studies, since 1990; there have been 10 volumes in the series to date.

Professor White adds: "There had been a kind of build-up. The idea had been in the air by the time [Chuck] Feeney's offer came along."

The first EMIR editorial meeting took place in early 2004. "We had a cabinet of editors and a shadow cabinet of advisor editors. And all of us, from Barra and myself right down the line, were doing this for nothing, as a labour of love."

Initially, the Editorial Board of *EMIR* came up with 3,000 headwords or entries for the encyclopaedia, which was eventually narrowed down to 2,500.

Some entries in *EMIR* relate to composers and events in the early 18th century, including the premier of *Messiah* by Handel, which was written for Dublin and first given there in 1742. There are hundreds of composers, singers and instrumentalists who are long forgotten in Irish history, except for the records of a handful of specialists, but who were part of the fabric of music in Ireland up to 300 years ago. Their work is comprehensively addressed in this publication.

Other entries extend our sense and knowledge of Ireland's more remote musical history, as in the article on the 'Lismore Gradual', a recently confirmed source for church music in Ireland from the twelfth century.

EMIR references venues such as the Abbey theatre, instruments, writers such as James Joyce, musical societies, guitarists like Rory Gallagher, events such as the Great Famine, scholarly politicians such as Douglas Hyde, bands like Snow Patrol and the Saw Doctors and even different genres of music that have evolved in Ireland, including rap.

But its real treasure is the research it brings forward on music in the country, from churches to operas, ballads, composers, showbands and even families who were famous for their lyrics and tunes.

Professor White adds: "If you take the category of Irish composers you will find that people are far more aware of Ireland's hugely prestigious accomplishment in popular and traditional genres. But if you stopped someone on the street who likes Irish music and asked her to name three Irish composers...there'd be a lot of humming and hawing there."

Sixteen pages of plates are also included in the two-volume encyclopaedia including an image of the (current) National Concert Hall in its original guise as the Great Exhibition Hall on Earlsfort Terrace, originally published in the *Illustrated London News* in 1865.

There were 239 contributors to *EMIR*, many of whom wrote extensively for the publication.

As Professor White indicates in his introduction to the volumes, *EMIR* represents the first comprehensive attempt to chart Irish musical experience across recorded history and to document Ireland's musical relations with the world, most notably the United Kingdom, the European Union and the United States.

EMIR was launched by President Michael D Higgins on 4th October 2013. It includes 2,000 articles and documents the works of hundreds of performers, composers and musicians over hundreds of years in Ireland.

Professor White was in conversation with Juno McEnroe, a journalist with the Irish Examiner

The Encyclopaedia of Music in Ireland, edited by Harry White and Barra Boydell (Dublin: UCD Press, 2013) is published in two volumes and available online (www.ucdpress.ie) and in bookshops, price €100.



The winning image from the UCD Images of Research Competition 2013 was 'The mice beat me to it' by Dr Niamh Howlin, lecturer, School of Law

Competition Showcases UCD Images of Research

Dr Niamh Howlin, lecturer, School of Law, was announced as the overall winner of the UCD Images of Research Competition 2013 at a lunchtime reception at UCD Research on Thurs 14 November. Dr Howlin's research in the area of Irish Legal History involves careful examination of historic files and documents; many of which are found in poor condition. The winning image of historic documents showing wear and tear was entitled *The mice beat me to it*.

The competition was started in 2006 by Dr Aoibheann Fitzgibbon Director of Research, UCD Research, and has since received over 1640 entries from Postdoctoral fellows, Postgraduate students, Final year undergraduate students, Research Technicians and the Staff of UCD's affiliated teaching hospitals. It offers researchers

the opportunity to submit compelling digital images created in the course of their research. It also aims to find the most innovative and imaginative research images that convey the depth and range of research taking place at UCD.

Each year 12 images are shortlisted by a panel of UCD Staff and external judges from the

arts and science. One overall winner and 2 runners up are selected. In 2013 almost 100 entries were received to the competition and it was opened up to final year undergraduate students for the first time. The images are showcased at www.ucd.ie/research

The Irish Constitutional Convention Continues to Break new Ground

The Irish Constitutional Convention (www.constitution.ie), was launched at the end of 2012 and was given a year to review eight topics for possible constitutional reform including such areas as: same-sex marriage, role of women and electoral reform. It has 100 members – 66 citizens selected randomly representing a cross-section of society, 33 politicians and a chair, Tom Arnold (CEO of Concern Worldwide).

The Irish Constitutional Convention is a path-breaking experiment – the first of its kind in the world. While there have been citizens'

assemblies before (in Canada and the Netherlands) whose members are randomly selected citizens, their remit was far narrower (dealing just with electoral reform), and because they did not include politician members there was a serious disconnect with the established political system, a big factor behind their ultimate lack of success. Its research director is David Farrell, Professor of Politics, School of Politics and International Relations.

The members are distributed in tables of seven-to-eight each with a trained facilitator whose role is to ensure that all members are given an equal right to participate in discussions in an atmosphere of mutual respect.

The government is committed to giving a formal response to each report of the recommendation within four months of its receipt. The second and most recent report, on the role of women in politics and public life and the clause of the Constitution relating to the role of women in the home, was discussed in October and the government gave a favourable reaction – undertaking to establish a task force to report back within a year.

At this stage it is too early to know whether this Irish experiment will be successful. The Dáil has so far only discussed two reports, and there have yet to be any referendums to test its recommendations. But the early signs are certainly promising.

UCD leads EU consortium to target irreversible blindness

A new European research consortium of industry and academic partners will focus efforts for drug discovery and development of novel eye therapeutics, to halt or reverse ocular diseases leading to blindness.

The 'Drug Discovery & Development of Novel Eye Therapeutics' (3D-NET) project will be funded through a 1.8 million Marie Curie Industry-Academia Pathways and Partnerships (IAPP) grant award from the EU Framework 7 Programme.

Conway Fellow, Dr Breandan Kennedy will lead and coordinate the consortium that includes researchers from the University of Valladolid (Spain), KalVista Pharmaceuticals (UK), RenaSci Ltd (UK) and Gadea Grupo Farmacéutico (Spain).

Millions of people worldwide suffer from ocular diseases that diminish their quality of life. Conditions such as age-related macular degeneration (AMD) or diabetic retinopathy (DR) are leading causes of irreversible blindness, and are a growing problem as the world-wide population ages.

There is a significant unmet clinical need for more effective treatments to halt or reverse these ocular diseases. For the first time, the consortium exchanges industry and academic expertise in the development of drugs with potential to treat ocular disease and enhances the capabilities and infrastructure required to test these drugs in relevant pre-clinical models.

The Kennedy laboratory will contribute to the consortium by efficiently screening compounds for effects on ocular angiogenesis and visual function in the zebrafish model and validate 'hit/lead' drugs in pre-clinical mouse models of ocular disease.

Thomas Kinsella: the Poet and the Book

A new exhibition is now showing in UCD Library, celebrating the very generous gift of the personal library of Thomas Kinsella to UCD. The Thomas Kinsella Collection, donated by the poet to UCD in July 2013, contains approximately 700 items, mostly books and pamphlets, with some ephemeral material. The books form a discrete collection reflecting the phases of Kinsella's career in poetry.

A large gathering of invited guests assembled for the official opening and preview of the exhibition in the UCD James Joyce Library on November 14th. In accepting the gift on behalf of the university, UCD President, Dr Hugh Brady, spoke of Kinsella's long relationship with UCD; where he studied and where his first published works appeared in a college student magazine. He formally expressed the university's gratitude to Thomas Kinsella's daughter, Sara O'Malley, and his son, John Kinsella, who both represented the Kinsella family, for a valuable collection with great research potential.

University Librarian Dr John Howard said that the collection represented a valuable addition to the exciting literary collections in the library, including those of Patrick Kavanagh, Mary Lavin, Professor Frank McGuinness and the library of Austin Clarke.

Irish Times Poetry editor and Chairman of Poetry Ireland, Gerard Smyth, described Kinsella as "Dublin's laureate" - a poet of the city. He spoke of UCD as being a leading centre of Kinsella studies. An advocacy of Kinsella,



At the launch of the Thomas Kinsella Collection in the James Joyce Library were (l-r) University Librarian, Dr John Howard; UCD President, Dr Hugh Brady; Irish Times Poetry Editor, Gerard Smyth; and Daughter of Thomas Kinsella, Sara O'Malley

pioneered by Maurice Harmon, is maintained today by Dr Caitriona Clutterbuck, lecturer, School of English, Drama and Film and Dr Lucy Collins, lecturer, School of English, Drama and Film.

Sara O'Malley conveyed the good wishes of her father, who, she said, valued his book collection as a record of the emergence of a new generation of poets in the post-Yeats era, and as

a record of the establishment of a new form of professional literary publication. Given Kinsella's connections with UCD over many years, he considered that he could not have found a more meaningful place for his collection.

The exhibition will continue until spring 2014 in the Special Collections Reading Room, James Joyce Library; see www.ucd.ie/library/kinsella

UCD Academic named Environmental Fiscal Reformer of the Year

Every year, Green Budget Europe – the European platform to promote Environmental Fiscal Reforms (EFR) and Market-Based Instruments – awards the Environmental Fiscal Reformer of the Year prize to someone who has made an outstanding contribution to progress on EFR. The 2013 award has been presented to Professor Frank Convery, School of Geography, Planning and Environmental Policy.

The prize sets out to honour pioneers of Environmental Fiscal Reform for their political, scientific, or journalistic contribution to the development and implementation of market-based instruments and to the increased establishment of the polluter-pays-principle. It also aims to promote forerunners in Environmental Fiscal Reforms throughout Europe.

According to Green Budget Europe, Ireland has caught up substantially regarding the implementation of EFR-elements in recent years, becoming an encouraging and successful

example of using Market-Based Instruments for budget consolidation, for social welfare and reduction of greenhouse gas emissions, in large part due to Professor Convery's persistent advocacy of such instruments.

The award was given in recognition of Professor Convery's work to promote EFR in Ireland, the European Union and beyond, in particular for his contributions to establish a carbon and air ticket tax in Ireland and for his innovative and refreshing approach to bringing EFR research findings to life in a suitable manner in politics and for policy makers.

Reflections and commemorations of the 1913 Lockout

Commemoration works best when it thinks afresh rather than reproducing established memories and narratives. Reflections and commemorations of the 1913 Lockout were the focus of a conference organised in October by the UCD Institute of British-Irish Studies, UCD School of Politics and International Relations. Papers delivered at the conference *Hidden Histories: Revisiting the Spirit Of 1913* helped reframe the more prominent events that were to come in the decade 1912-22, in Ireland and throughout the world, revealing how the international and national were and remain closely intertwined today in the Irish context.

One focus was Constance Markievicz's speech during the Lockout which linked the national, women's and industrial struggles. The point is illustrated in Markievicz's own life: from running the food kitchen for strikers to participating in the 1916 Rising with the Irish Citizen Army, and being appointed to the Sinn Fein cabinet as minister for labour, the first ever in Europe. The hidden histories involved are exemplified in the story of Rosie Hackett, then a young worker locked out of Jacob's biscuit factory who helped found the Irish Women Workers' Union, fought with Markievicz in Stephen's Green, went on to devote a lifetime to trade union activity, and has now had the new

bridge over the Liffey named after her. Unskilled workers led by James Larkin demanded social and political inclusion in a capitalist system that treated them as inferior. The interesting life stories of key protagonists inspired reflections on the struggle for citizenship, class struggle and social conflict.

Two leading contemporary social democrats sought to tease out the lessons of 1913 for today's Irish labour movement. Joan Burton TD, minister for Social Protection, recalled how Lloyd George's social welfare and pensions acts of 1908 and 1911 heralded the beginnings of European welfare states and praised Ireland's welfare system as one of the most generous,

despite the pressure from government austerity cuts. Jack O'Connor, general secretary of SIPTU, said Ireland still lacks a positive right of trade unionism. He acknowledged a contradiction between the functional side of trade unionism and its wider vocation as the agent of change towards a society based on solidarity not greed. His support for erecting a defensive rampart against austerity pending economic recovery was rejected by a small group of picketers outside the meeting - so the polemics of 1913 live on.



Birds-eye view model of the Yongsheng village constructed wetland design, Shaanxi Province, China; a collaborative project between UCD and Changan University, Xi'an, China

UCD Constructed Wetlands Research in China

Dr Yaqian Zhao, Head of Research and Innovation at the UCD School of Civil, Structural and Environmental Engineering, is leading a team to develop a cost-effective and environmentally-friendly water pollution control technique. This 'win-win' technique has been trialed in laboratory and at field pilot-scale in Ireland. The research is now being rolled out in remote communities in China. The research collaboration is just one example of close ties that are developing between UCD and Changan University, Xi'an, China.

The technique involves the use of constructed wetlands for wastewater treatment. The research team, based in the UCD Dooce Centre for Water Resources Research, has successfully developed the alum sludge-based constructed wetlands system for high strength wastewater treatment with dewatered aluminium sludge. When used as wetland substrate, the alum sludge is a useful raw material for beneficial reuse, as opposed to a waste material requiring diversion to landfill.

The collaborative consortium has successfully designed full scale constructed wetlands systems to treat domestic wastewater in five newly established villages in different

locations along the Jialing river basin in Shaanxi province. The designs have combined the constructed wetlands system with the surrounding environment to create well-functioning constructed wetlands with attractive water landscapes. The work provides a showcase on how wastewater infrastructure can become an attractive community amenity through the integration of engineering, ecology and landscape design. In June 2013 the UCD Dooce Centre for Water Resources Research and Changan University jointly hosted an international symposium in Xi'an. The local government has shown keen interest in this kind of treatment system, which may attract more R&D activities in the future.

UCD company goes into orbit

“As a young engineer you dream of working in the aerospace or the automotive industries. To be actually sitting across the table from senior people in these sectors and discussing their needs as an equal is unbelievably compelling and exciting,” says John O’Donoghue, founder of UCD-based surface technology company, EnBio.

O’Donoghue, a UCD mechanical engineering graduate, set up EnBio in Cork in 2006 before relocating the company to NovaUCD in 2011. “We effectively started over when we moved to Dublin and haven’t looked back since. The entrepreneurial energy within NovaUCD has been infectious and on top of this I have UCD and its vast knowledge bank at my back. This really counts when you’re pitching for business to organisations such as the European Space Agency (ESA).”

O’Donoghue’s expertise is in surface coatings. He has developed a patented process called CoBlast. It blasts a mixed media stream of particles onto the surface of a metal to strip off its naturally occurring oxide layer and replace it with a different material. All modern lightweight metals (such as aluminium and titanium) have this inert layer that makes it difficult to join anything to them.

EnBio’s technology bypasses this natural barrier and instantaneously coats the surface before the oxide layer grows back. This is crucial for sectors such as medical device manufacture, as coatings are applied to metallic implants to help repel infection and promote healing.

O’Donoghue had initially planned to sell his technology into the medical devices sector, but found the barriers to entry too high for a fledgling company. He knew EnBio’s technology could be applied in other sectors and with the help of Enterprise Ireland and UCD, the company began what has since become a fruitful relationship with the ESA. In December 2012, EnBio was awarded a contract to supply the protective sunscreen panels to be used on the Solar Orbiter satellite mission to the Sun in 2017.

“The ESA was prepared to give us a hearing because even though we were a young company we had a product they needed,” O’Donoghue says. “Our hand was further strengthened when they came to visit us on campus and could see the great facilities and the fact that we had the



John O’Donoghue, CEO, Enbio, is pictured (centre) at NovaUCD with Nigel Cobbe, Chief Commercial Officer, Enbio (left) and Dr James Carton, Industrial Surfaces Programme Manager, Enbio (right)

expertise of the university behind us. That inspires confidence and makes them happy that you have the bandwidth to deliver what you say you’ll deliver.

We have been really fortunate to work in an open innovation situation with Professor Michael Gilchrist and his team in the School of Mechanical and Materials Engineering and there has been an invaluable exchange of ideas around that interaction that has enabled a small company like EnBio to establish itself on the world stage.”

This collaboration with the academic community is continuing and EnBio is now well into the development of its second product, a heat deflecting technology with significant commercial potential in the telecommunications satellite sector.

“We have been working closely with Dr Ken Stanton and one of his PhD students, Kevin Doherty, on the new product and our plan is to licence the technology from UCD in due course. So it’s a win-win situation for both parties and it is likely that Kevin will see his work featuring on

a spacecraft quite soon. That’s a wonderful experience for any student,” O’Donoghue says.

The new product is designed to protect satellite antennae from the extreme heat experienced in space by preventing the equipment from absorbing energy in the first place. “This ‘Solar White’ coating is basically the opposite of our established ‘Cosmic Black’ technology which takes in heat and light from the sun and disposes of it into deep space as infrared energy,” O’Donoghue says.

“So far, the new technology has passed all of the tests the ESA has put it through and we are confident that, like Cosmic Black, it will be qualified early in 2014. This technology will be used on commercial satellite platforms that support the things we take so much for granted now such as TV and radio broadcasting, navigation using GPS, and communications including the Internet. These satellites also monitor activities such as animal migrations, pollution and climate change from high above the earth.”

EnBio currently supports 14 full-time equivalent jobs and O’Donoghue says he has never had to look further than UCD to recruit staff. “I get really cross when I hear companies saying they can’t get suitable Irish graduates and graduates saying they have no choice but to leave the country,” he says.

“We have never advertised a position in EnBio and the calibre of our staff is second to none. Most of our team has been recruited from UCD and I am constantly blown away by the talent available”.

“Engineers are ‘generic’ at the end of their training. It’s up to you to talk to them and to mould them for what your company needs. If you can put an attractive job proposition in front of them, there is a good chance they will stay in Ireland. We’re integrated into the system in UCD and I know the people who are likely to be suitable for EnBio before they even finish their studies,” O’Donoghue adds.

“We are very keen to remain an Irish company with close academic links and to grow the business and support Irish jobs. We are now two years into our new incarnation and are conducting a root and branch review of our business. Supplying the Solar Orbiter has been our ‘golden ticket’ in many respects and we want to make the most of this as we plan our future,” O’Donoghue concludes.

Olive Keogh, MA 1984, is a contributor to The Irish Times

Books



Éigse. A Journal of Irish Studies. Vol. XXXVIII

Liam Mac Mathúna (ed.) National University of Ireland 2013.

Nuair a d'fhág an Dochtúir Adam Boyd Simpson suim airgid d'Ollscoil Náisiúnta na hÉireann i 1913, leagadh bunchloch eiseamláireach iriseoireachta do Léann na Gaeilge. I 1926 agus i 1932, cuireadh an t-airgead i dtreo an irisleabhair *Lia Fáil*, agus Dubhghlas de hÍde ina eagarthóir ar an dá eagrán. Ag tógáil ar an oidhreacht léinn a d'fhág de hÍde ina dhiaidh, foilsíodh an chéad eagrán *d'Éigse: A Journal of Irish Studies* san Earrach i 1939. Ó shin i leith tá an fóram greanta i Léann na Gaeilge, a bhuí den saothrú go barr feabhais atá curtha i gcrích ag comharbáí de hÍde, eagarthóirí *Éigse* le breis agus seachtó bliain anuas, Gerard Murphy (1939-59), Brian Ó Cuív (1959-74), Tomás Ó Concheanainn (1975-86), Pádraig A. Breatnach (1987-2010), agus anois Liam Mac Mathúna.

Osclaíonn an t-eagrán seo fuinneog spreagúil ar ré bhisiúil, fhorásach i léann na Gaeilge le rogha alt ó scoláirí úra, agus uathu siúd a bhfuil clú seanbhunaithe bainte amach acu sna réimsí léinn atá á ríomh ann.

Is ábhar spéise é ilghnéitheacht na n-alt a chlúdaíonn raon leathan téamaí agus ama. Ar na téamaí sin tá peirspictíocht úr ar *Acallam na Senórach*, an téacs dúchais is faide sa Mheán-Ghaeilge, mar aon le 'Edition of a Dialogue between Cormac and Fithal', cineál agus feidhm an chódaistrithe i nGaeilge chomhaimseartha Ghaeltacht Ghort an Choirce, agus rogha alt a ríomhann gnéithe sainiúla de chanúintí agus d'úsáid na Gaeilge in Éirinn agus i gcéin. Cuireann na ceithre alt léirmheasa a chuimsíonn logainmneacha, an tsochtheangeolaíocht, an athbheochan, agus an caighdeán oifigiúil nua, le hanailís fhairsing an eagrán seo. Macasamhail na n-eagrán roimhe seo fosta tugann liosta na léirmheasanna cuimsitheacha léargas suntasach ar bhisiúlacht na léirmheastóireachta i léann na Gaeilge san aonú haois is fiche. Críochnaíonn an t-eagrán le halt gradamach cuimhneacháin ó Shéamus Mac Mathúna ar scoláire mór an Léinn Cheiltigh, Karl Horst Schmidt (1929-2012).

Tá eagarthóireacht chruinn, mhachnamhach déanta ag Mac Mathúna ar sheoid téagartha a bhfuil 389 leathanach ann. Leanann *Éigse*. A

Journal of Irish Studies. Vol. XXXVIII an traidisiún luachmhar a leagadh síos go nuige seo agus gheobhaidh an scoláire agus an mac léinn Gaeilge araon lón léinn agus léitheoireachta ann.

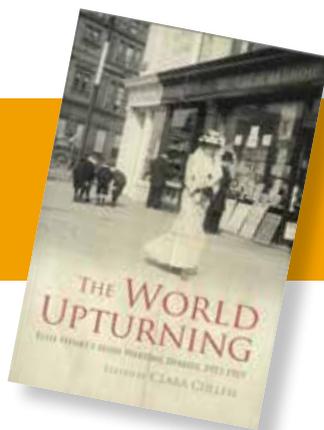


Shafts of light on Tara

Tara: From the past to the future is the third in a series of Tara-related volumes from the UCD School of Archaeology following the two excavation monographs, *Duma na nGiall: the Mound of Hostages* (O'Sullivan 2005) and *The Rath of the Synods* (Grogan 2008).

Edited by Muiris O Suilleabhain, Associate Professor of Archaeology, UCD School of Archaeology, with Professor Chris Scarre, Durham University and Dr Maureen Doyle, the assembled contributions from forty authors set the seal on twentieth-century research at Tara. They also show some of the avenues along which 21st century research might be pursued.

The volume, published by Wordwell, offers significant insights into the human footprint on the hill and its neighbourhood, occasional references to issues requiring prioritised archaeological intervention, and a broad impression of Tara in the wider consciousness. This fusion of collective breadth and individual depth highlights the need for a Tara research agenda that will be sufficiently comprehensive to make every scholar feel welcome, while being flexible enough to allow for constant renewal as knowledge accumulates and circumstances change.



A personal perspective on wartime Ireland

Elsie Henry was a witness to the tumultuous events of the wartime period in Ireland between 1913 and 1919. Her diaries are a personal record of wartime life in Ireland and her own work at the Red Cross depot at the College of Science in Dublin. She writes of her concerns for her brothers and for her friends fighting with

the British and Canadian forces in France and Mesopotamia and of her father's war work in London. The diaries, begun in the first year of her residence in Ireland and continued as a war record, recount some of the most significant events of the decade, including the General Strike, the Home Rule crisis and the Easter Rising, and include fascinating discussions of these episodes in an indispensably objective fashion.

Brought together in the *World Upturning*, edited by Clara Cullen, Associate Fellow, UCD Humanities Institute of Ireland and published by Merrion, these diaries have a wider historical value. They are both a richly detailed narrative built upon a rare female perspective on this turbulent period in Irish history and the personal experience of a talented writer. The book provides a distinctly human account of the years of intense political uncertainty and conflict that changed the face of Ireland and the world for ever.



Exploring the Relationship between Faith and Reason

Approaching God: Between Phenomenology and Theology, is the result of a life-long, ongoing exploration of the relationship between faith and reason by Patrick Masterson, Emeritus Professor of Philosophy of Religion at UCD and UCD President, 1986-1993.

Phenomenology of religion, a contemporary form of philosophical reflection, concentrates attention exclusively on phenomena, which have a bearing on upon religious experience, as they give themselves to human consciousness. The book, published by Bloomsbury, brings a new outlook to the debate on the return of religion, in its critical dialogue between this phenomenology of Marion, the metaphysics of Thomas Aquinas and the theology of Barth. It is the 'end of a trilogy' of books examining these themes, which began in 1971 with *Atheism and Alienation* and continued with the publication of *The Sense of Creation: Experience and the God Beyond*, in 2008.

With thanks to the Campus Bookshop



Pictured at NovaUCD are HeyStaks' co-founders Dr Maurice Coyle, Prof. Barry Smyth and Dr Peter Briggs

HeyStaks Announces €800,000 Funding and Launches New Developer Programme

HeyStaks Technologies, the UCD collaborative search spin-out company, has announced €800,000 in venture capital funding and the launch of the HeyStaks API (HAPI) developer programme.

HAPI allows 3rd party developers to build their own custom collaborative search applications using the patented HeyStaks platform, achieving better user engagement and ultimately higher revenues through improved search.

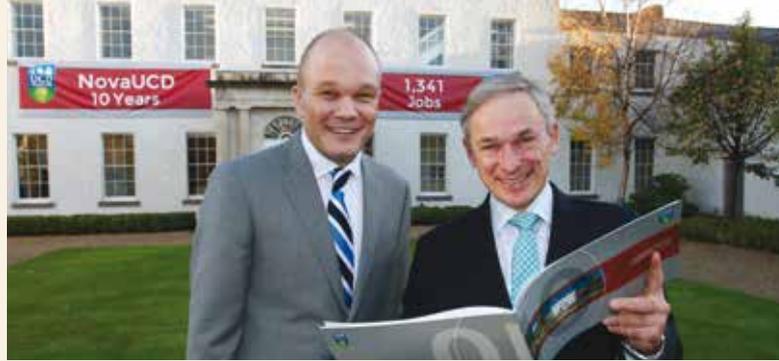
HeyStaks' unique approach to collaborative search is based on more than 30-person years of research and its patented technology means that end-users can avail of the benefits of collaborative search without changing their existing search habits. These benefits include demonstrably improved search relevance even compared to today's leading mainstream search engines.

HeyStaks, based at NovaUCD, the Centre for New Ventures and Entrepreneurs, has also formally announced that it raised €800,000 in venture capital funding earlier this year.

The funding round was led by The Ulster Bank Diageo Venture Fund, managed by Investec Ventures, with additional funding being provided by Enterprise Ireland and the AIB Seed Capital Fund, managed by the Dublin Business Innovation Centre. The Ulster Bank Diageo Venture Fund previously invested €1 million in the company in 2010.

This new funding helped HeyStaks to create its new HAPI platform to service the growing needs of other companies who want to provide better, more personalised search experiences to their users.

HeyStaks, co-founded by Professor Barry Smyth, Dr Maurice Coyle and Dr Peter Briggs, is a spin-out company from the Science Foundation Ireland-funded CLARITY Centre for Sensor Web Technologies (now part of the INSIGHT Centre for Data Analytics) at University College Dublin.



Pictured at the launch of the report NovaUCD - Celebrating 10 Years of Entrepreneurial Success, are Prof. Peter Clinch, UCD Vice-President for Innovation and Richard Bruton TD, Minister for Jobs, Enterprise and Innovation

NovaUCD Celebrates 10 Years of Entrepreneurial Success

The Minister for Jobs, Enterprise and Innovation Richard Bruton TD, has officially launched a new report which highlights the economic impact of NovaUCD, the Centre for New Ventures and Entrepreneurs, in Ireland and internationally.

The report entitled, *NovaUCD - Celebrating 10 Years of Entrepreneurial Success 2003-2013*, was published to mark the 10th anniversary of the official opening of NovaUCD, which is managed by the UCD Office of the Vice-President for Innovation.

The new report highlights that NovaUCD's start-up and commercialisation activities, over the past decade, currently support a total of 1,341 jobs (direct and indirect) worldwide, of which 1,056 are based in Ireland.

In addition, NovaUCD's activities support an annual contribution of 47.7 million Gross Value Added (GVA) to the worldwide economy, of which 36.6 million GVA is contributed to the Irish economy. Since 2003, UCD has supported 126 companies through its

incubation services at NovaUCD and 30 new UCD spin-out companies have been incorporated during the last 10 years.

Speaking at the report launch Professor Peter Clinch, UCD Vice-President for Innovation said, "At NovaUCD we provide comprehensive support programmes and a peer-support system that has nurtured an enthusiastic and dynamic community of talented entrepreneurs and companies which have gone on to achieve considerable success on the global stage." He added, "The impact of NovaUCD has been far greater than could have been imagined 10 years ago when it officially opened and I have no doubt that an exciting future lies ahead for NovaUCD."

Logentries, a UCD Spin-out Company, Raises \$10 million in Funding Round

Logentries, a new cloud-based service provider for collecting and analysing huge quantities of machine-generated log data has raised \$10 million in Series A funding round.

The financing round was led by Polaris Partners, along with Floodgate, Frontline Ventures and RRE Ventures. Floodgate is a new investor joining the other firms that provided \$1 million seed money in 2012.

Logentries will use the funds to accelerate product development and aggressively drive a go-to-market strategy.

Logentries was co-founded in 2010 by Dr Trevor Parsons and Dr Viliam Holub as a spin-out company from University College Dublin's Performance Engineering Laboratory in the UCD School of Computer Science and Informatics, after a decade of joint research with IBM.

Logentries, a graduate company of NovaUCD, the Centre for New Ventures and Entrepreneurs, was the overall winner of the NovaUCD 2010 Start-Up Company of the Year Award.

Unlike costly log management alternatives that require advanced technical skills to use, Logentries utilises a unique collective intelligence model to transform otherwise difficult-to-consume log data into actionable business and operational insights.

The company currently actively services over 10,000 users, across more than 100

countries, processing more the 20 billion log events per day.

Professor Peter Clinch, UCD Vice-President for Innovation said, "Logentries is an excellent example of a UCD spin-out company, which while only established 3-years ago, has already obtained global reach and global customers. With this significant investment, the largest single investment round in a UCD spin-out company to date, Logentries is set for further international growth and success in the years to come." He added, "Logentries has emerged from UCD's research focus on 'big data' and the fostering of partnerships by UCD with industry." He concluded, "I would like to congratulate Trevor, Viliam and the Logentries team for all their dedication over the last number of years which has led to this significant milestones being achieved by the company."

Logentries has also Andrew Burton, the SaaS industry veteran, who has been appointed as its new President and CEO.

Burton, a UCD graduate, joins from LogMeln, Inc. where he led all of LogMeln's cloud-based access, collaboration and customer care product offerings, and helped lead LogMeln from early stage, privately held start-up to a publicly traded company with offices around the world.

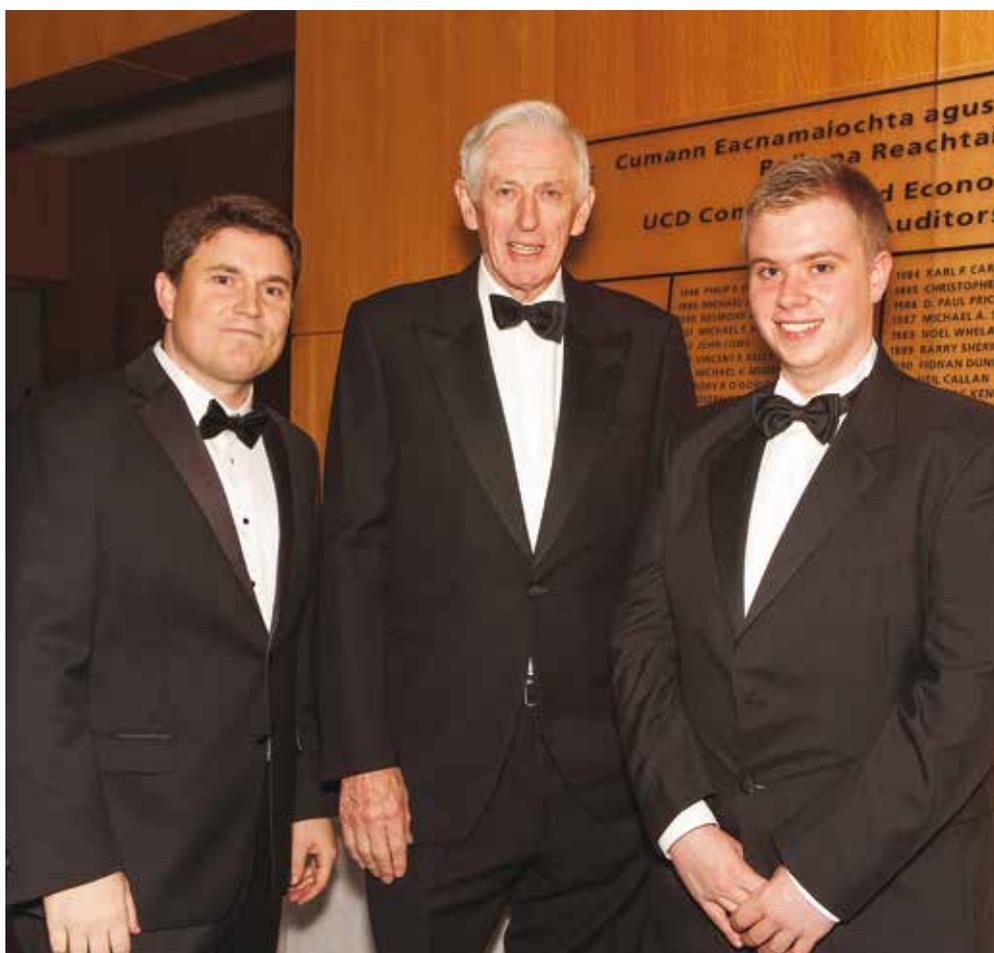
He holds a Bachelors of Science degree from Oregon State University, Masters in Information Systems with honours from UCD, and Masters in Business Administration from Boston College.

UCD Smurfit School MBA Alumni Association Launched

The UCD Smurfit School of Business MBA Alumni Association was launched on September 6th with the first event in a speaker series. The series was specifically designed to impart new insights and latest thinking and to keep MBA Alumni informed on key business and management issues. Niamh Brennan, Professor of Management, School of Business, hosted an interactive session on the topic of Corporate Governance: 'The Role of Culture, Behaviour and Psychological Biases in Boardrooms' which was held in the surrounds of The Stephen's Green Hibernian Club. The event also provided attendees with the opportunity to catch up with old friends, network and make some new connections.



Prof. Niamh Brennan, Professor of Management, School of Business; Siobhan O'Dowd, Chair of the UCD Smurfit School MBA Alumni Association and Prof. Ciarán Ó hÓgartaigh, Dean, School of Business at the UCD Smurfit School of Business MBA Alumni Association launch.



Celebrating 100 years of the UCD Commerce & Economics society were (l-r) Dr Rory O'Shea, lecturer, Quinn School of Business, Brian Davy, C&E auditor 1963-1964, and current C&E Auditor Karl Cullen

Centenary Celebrations for UCD Commerce & Economics Society

The UCD Commerce & Economics Society, founded in 1913 by Thomas Fitzpatrick, has grown to become one of the largest student associations in Ireland. Originally existing as one of three University debating societies, over the last century the C&E society has evolved to become UCD's premier social events society.

On October 19th past auditors, committee members and friends of the society gathered to celebrate its centenary at a special black tie dinner in O'Reilly Hall. Over forty sessions of the society were represented on the night. Guest speakers included Karl Cullen, current Auditor 2013 – 2014, Professor Ciarán Ó hÓgartaigh, Dean of UCD School of Business, Brian Davy, auditor 1963 – 1964 and Anthony Fitzpatrick, auditor 1964 – 1965 and son of the society's founder

Earth, Wind & Fire: The Future for Ireland's Energy Market

The questions of how Ireland can capitalise on its emerging native resources, both conventional and renewable, and how this can contribute to driving Irish economic recovery and future development, were recently discussed by an industry panel. On Tuesday, 24th September, UCD Business Alumni hosted

their annual panel discussion in association with Mason Hayes & Curran. The discussion focused on the future for Ireland's energy market, looking at the challenges for the energy industries in Ireland and how they can work towards stability and security of supply. Panellists included Paddy Hayes - Executive

Director of Generation and Wholesale Markets, ESB; Fintan Slye - CEO of EirGrid; Kenneth Matthews - Chief Executive of the Irish Wind Energy Association and Paddy Teahon - Energy Strategy Implementation Consultant in UCD. The event was chaired by William Carmody, Partner in Mason Hayes & Curran.



Pictured at the launch of the Red Grouse Species Action Plan are (l-r) Dr Barry McMahon, Lecturer, UCD School of Agriculture and Food Science, Declan Browne and Janet Buckley, both Irish Grey Partridge Conservation Trust, and the Minister for Arts, Heritage and the Gaeltacht, Mr Jimmy Deenihan, T.D.

Launch of Red Grouse Species Action Plan 2013

The Red Grouse Species Action Plan 2013 was launched by the Minister for Arts, Heritage and the Gaeltacht, Mr Jimmy Deenihan, T.D. in September 2013. The development of the plan was in response to declining species numbers as well as UCD research, which highlighted the endangered Irish red grouse population and the implications for conservation and management.

Led by The Irish Grey Partridge Conservation Trust and facilitated by the National Parks and Wildlife Services, a Forum was created for parties interested in the conservation of red grouse in Ireland and who wished to contribute to the development of the Species Action Plan.

Dr Barry McMahon, a lecturer within the UCD School of Agriculture and Food Science, was a key member of the Forum. Dr McMahon's extensive research and publications on the Irish red grouse provided valuable insight into a species that was traditionally linked with the wild and beautiful peatland habitats within Ireland. On completion, the Forum was delighted to announce the development of a detailed Red Grouse Species Action Plan.

A UCD welcome for Woodland Walks Festival

Hundreds of UCD alumni and their families arrived to UCD on a blustery and wet Sunday in September to enjoy the Woodland Walks Festival. UCD Alumnus Duncan Stewart led the visitors on a day of activities to celebrate the 9 hectares of campus woodland and 8km of dedicated walkways which are available for all to enjoy. A large group of hardy souls took off on the two-hour trail along the 6.2km Boundary Walk with Duncan Stewart and Mr Ciaran Beattie, UCD Buildings and Services. Other UCD experts led themed nature walks of varying lengths which appealed to families and nature-enthusiasts.

There was an opportunity to gain access to historic houses on campus on the Historic Houses and Sculpture trail which was led by Mr Eamonn Ceannt, Director of Capital Development and Ms Ruth Ferguson, Curator, UCD Newman House.

The recently-opened UCD Student Centre was the hub for the activity, providing an opportunity to welcome alumni and their families back to campus to show them the improvements that have occurred since they graduated. The festival is set to take place again in 2014; in the meantime staff and alumni are encouraged to take advantage of the 8km of Woodland Walking trails on the campus, for more see www.ucd.ie/exploreucd/

Science on Screen at Inflatable Cinema

UCD Science Expression, which took place in late October and early November, is Ireland's first and only dedicated science film festival; a public engagement programme designed to invigorate conversation around science, technology, research and innovation through film and new media.

The Science+Film Festival 2013 saw 18 events, 37 speakers, 70 short films, 7 feature films and a nature documentary seminar with leading wild life film-makers. It took place across diverse locations including The Lighthouse Cinema, The Irish Film Institute, Filmbase, UCD Cinema, The Fumbally Café and a pop-up inflatable cinema at The National Botanic Gardens.

Speakers included Damon Smith, GE Focus Forward, Max Hug Williams, BBC wildlife cameraman, and Colin Stafford Johnston, producer, cameraman and presenter for RTE and BBC.

There were specially curated programmes of short films from Cineglobe at CERN and from GE Focus Forward – a selection of inspiring and challenging tales from researchers, innovators and global change makers told through the medium of short film.

Dublin's school children converged on The Ark to join UCD Scientists for "Science People at The Ark – SPARK!" where they explored from the nano-sphere to space and discovered the history of our ancestors with an archaeologist

and paleobiologist, finishing with some scrutiny of how food can keep us healthy.

The collaboration with The National Film School, IADT saw four short films produced by UCD scientists with film and animation students from IADT. The winning film was a collaboration between Dr Tara Magdalinski, School of Public

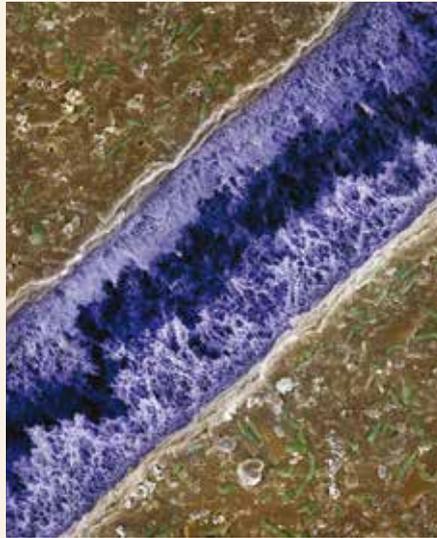
Health, Physiotherapy and Population Science and a team of IADT animators. A provocative film, 'The Sanctity of Sport' looks at issues surrounding the natural and unnatural enhancement of sports performance from a societal perspective.



One of the posters used to promote the UCD Science Expression Film Festival

■ SFI research image award for Engineering postgraduate student

The image of 'A nano-ravine' won a special award for the most impressive image captured as part of a research study in Ireland during 2013 at the Science Foundation Ireland (SFI) annual science summit. The award was presented by Seán Sherlock TD, Minister for Research and Innovation to Rory Heffernan, a PhD research student in Professor Eoin Casey's research group in UCD's School of Chemical and Bioprocess Engineering, who captured the image in collaboration with Dr Ian Reid of UCD's Nano Imaging and Material Analysis Centre (NIMAC). The image shows the membranes used in nanofiltration, one of the last stages of the public water cleaning process. It captures the layer of particles that have built up on the membrane (brown), bacteria growing on this layer (green) and a view through a tear into the structure of the membrane itself (blue). The image will appear on the front of the 2013 SFI Annual Report, to be published next year.



■ Enda Kenny leads UCD EGA panel discussion

The UCD Engineering Graduates Association (EGA) was delighted to welcome An Taoiseach, Enda Kenny TD to lead the autumn panel discussion *Engineering Manufacturing and Job Creation in Ireland*.

Chaired by EGA President PJ Rudden, the panel of speakers included four leading Irish entrepreneurs whose firms are creating sustainable jobs in the indigenous manufacturing sectors across biomedical, mechanical, electrical, agricultural and transport engineering: Ian Quinn, Creganna-Tactx (Galway); Martin Mc Vicar, Combillift (Monaghan); Philip O'Doherty, E&I Engineering (Donegal) and Edmond Harty, Dairymaster (Kerry).

■ Progressivism in America: Past, Present and Future

On November 8 and 9, the UCD Clinton Institute for American Studies hosted a conference, *Progressivism in America: Past, Present and Future*. Organised in partnership with the Roosevelt Institute, New York, the conference discussed the challenges facing the progressive movement in the United States and explored potential solutions to policy challenges such as health care, climate change, rising inequality and terrorism.

The conference began with a video message from former President William J. Clinton. Speakers included Professor Joseph Stiglitz, Columbia University, the Nobel Prize-winning economist, prominent journalists such as E.J. Dionne, Christopher Caldwell, Jonathan Alter, and Fintan O'Toole and distinguished historians including Alan Brinkley, Professor of American History, Columbia University and Lisa McGirr, Professor of History, Harvard University.

Several themes emerged from the panel discussions. One was the need to remain faithful to the spirit and values of the tradition established by Theodore Roosevelt, his cousin Franklin D. Roosevelt and other progressive political leaders while also developing a new set of policies and strategies that are relevant to contemporary challenges and which can facilitate the progressive agenda. This led to a second theme: the limits imposed by the American political system – which was designed to inhibit rapid change – and by the increasing radicalism of the Republican Party, which has come to see any kind of compromise with Democrats as a betrayal of conservative ideals, regardless of the content. These factors underscored a third theme, the pragmatic approaches of the Clinton and Obama administrations, both of which pursued progressive agendas but faced ferocious opposition from conservatives. Hence, a fourth theme of the conference was the reality that implementing progressive policies depends upon winning political battles in Washington DC and at the state and local levels, as Republicans have made it clear that they will resist any progressive change, even if it might be to their political benefit, as in the case of immigration reform.

Most of the participants were cautiously optimistic about the future, citing demographic trends and policy challenges that favour progressive priorities, even as they all expressed concern about the lack of willingness on the part of the opposition to search for common ground.



Nobel Prize-winning economist Prof. Joseph Stiglitz, Columbia University, pictured with Prof. Liam Kennedy, Director, UCD Clinton Institute, at the recent conference on Progressivism in America

New marketing campaign welcomes students to the world of UCD

A new marketing campaign, which promotes UCD to prospective undergraduates applying through the CAO system, was recently launched by UCD University Relations. Its objectives were to create aspiration around the UCD brand and to encourage school-leavers and their parents and teachers to explore UCD web and prospectus resources.

The campaign set out to showcase the quality of learning at UCD and the career opportunities created by a recognised quality UCD degree. A video was made to bring to life the campaign message 'A world of learning; a world of opportunities'. The creative approach involved the construction of 3D models to represent learning highlights from each of the 14 undergraduate programme areas. These were then mapped onto a 3D globe, or 'world of learning'. The process of creating the globe was filmed over a full day in the 4th floor atrium of the UCD O'Brien Centre for Science, with students from each programme area and even some UCD lecturers helping to put together the globe.

The resulting video and the stories behind the models on the 'world of learning' are gathered on www.ucd.ie/ucdlife. The campaign will run until the end of January and - in addition to online video - includes press, radio, online display, mobile display, and social media advertising.



The 3D globe made up of models which represents the 'world of learning' at UCD which was constructed and filmed in UCD on November 29th, as part of a new CAO 2014 marketing campaign

Examining world economy and world ecology

Taking up environmental historian Jason W. Moore's injunction to understand the world-economy as world-ecology, the symposium *World-Ecology, World-Economy, World-Literature*, held from 25-27 October 2013, explored world-systemic approaches to the intertwined issues of environmental crisis and economic crisis. The event was organized by the School of English, Drama, and Film and hosted by the UCD Humanities Institute 'Space and Place' strand, thus launching the HI's new series of 'Environmental Humanities' events.

The weekend commenced with a cultural evening in Dublin city centre, Landscapes of Crisis, featuring an exhibition of activist photography by Andrew Flood, William Hederman, Aileen O'Carroll, and Paul Reynolds, and readings by acclaimed writers Mike McCormack and Dave Lordan. Both the photography and the readings set out to challenge stereotypical ideas of 'landscape' and 'environment'. The event was designed to bring ideas out of the university and into the city centre, exploring how artistic representations could create new understandings of lived, everyday experiences of environmental and economic crisis. Over one hundred members of the general public, alongside the symposium delegates, attended the evening.

The symposium also featured plenaries from Dr Jason W. Moore, Binghamton and Professor Stephen Shapiro, University of

Warwick, alongside a variety of talks exploring foodscapes, climate crisis, commodity frontiers, neoliberal ecological regimes, economic crisis, financialisation, and plantation cultures from a variety of different perspectives—literature, law, political economy, sociology, geography, and history—all with the intention of creating a transdisciplinary dialogue across the humanities

and social sciences. Over 60 delegates from Ireland, the UK, Europe, and the U.S. participated, and a research network in "World-Ecology, World-Culture" has been formed as a result of collaborations arising out of the event. Podcasts and images from the photographic exhibition will be featured on the UCD HI website www.ucd.ie/humanities/



Writers Mike McCormack and Dave Lordan participate in a question and answer session with Dr Sharae Deckard, School of English, Drama and Film at the Landscapes of Crisis evening, part of a symposium on World-Ecology, World-Economy, World-Literature, hosted by the UCD Humanities Institute

UCD's Finest Honoured at GAA GPA All Star Awards

UCD featured strongly in this year's GAA GPA All Star Awards. The ceremony, which took place in Croke Park, saw a number of UCD current students and graduates come away with prestigious awards.

Among the winners were current Ad Astra Elite Athlete Rory O'Carroll and GAA scholarship graduates Cian O'Sullivan and Michael Daragh McAuley who were members of the victorious Dublin Senior Football

Championship team. Michael was also named Footballer of the Year.

Also recognized on the night was UCD graduate and Dublin Hurling half-back Liam Rushe who was named on the Hurling All-Star team. Ad Astra Elite Athlete Jack McCaffrey

was awarded Young Footballer of the Year. Jack has had a busy few weeks representing Ireland in the recent International Rules series as well as being a prominent member of the victorious Dublin Senior Football All Ireland team.



UCD AFC players Robbie Benson and Sean Russell in action during a recent Airtricity Premier Division match

UCD Soccer Secure Premier Division Place for Next Season

UCD AFC made the trip to Tolka Park for their last game of the season in the knowledge that three points would most likely guarantee them a spot in next year's Premier Division. A three minute spell midway through the first half was to determine that status. Robbie Benson

smashed UCD into the lead from the penalty spot before Shelbourne grabbed a goal back within a minute. UCD were not to be outdone, however, and Dean Clarke scored the definitive goal with 21 minutes gone in the first half.

The 2-1 victory and corresponding three points secured UCD's place in the Premier Division of the FAI National League for next season.

Centenary Splash for UCD Swimming and Waterpolo

The UCD Swimming & Waterpolo club hosted a celebration in the Pool and Student Centre on November 2nd to celebrate the club's centenary. Past members of the club, from all over the world and from as far back as 1946 joined the current team for a swim in the brand new pool, followed by dinner and drinks with old teammates and friends. Many had not seen each other for years but reconnected, sharing stories and successes of the Swimming and Waterpolo teams in years past.

20 Years of Sub Aqua in UCD



The UCD Sub Aqua Club, pictured on a recent diving trip to Ibiza in October, recently celebrated their 20th anniversary with an event held in the city centre. The night was a great success with past and present members attending, spanning the entire twenty years of the club. A slideshow showcasing photos from the early days, right up to the present played throughout the night and awards were presented to honour dedicated divers and club members. A special lifetime membership award was presented to Pat Neville for the incredible amount of time and effort that he consistently devotes to the club each year.

■ An bua ag mic léinn Scoil Dlí UCD ag Bréagchúirt Uí Dhálaigh Gael Linn.

Bhí craobhbhabhta Bhréagchúirt Uí Dhálaigh Gael Linn 2013 ar siúl sna Ceithre Chúirt ar an Aoine 8 Samhain 2013, uair a ghnóthaigh foireann ó Scoil Dlí Sutherland, UCD, an chéad áit! Ar an bhfód anois le sé bliana déag, is in onóir Iar-Uachtarán agus Iar-Phríomh-Bhreitheamh na hÉireann, Cearbhall Ó Dálaigh, atá an comórtas á reáchtáil. Trí rannpháirtíocht i mBréagchúirt Uí Dhálaigh, is féidir le mic léinn dlí a bhfuil máistreacht acu ar an nGaeilge barr feabhais a chur ar a gcuid scileanna abhcóideachta os comhair breithiúna de chuid na cúirte.

Reáchtáladh réamhbhabhtaí de ardchaighdeán in Óstaí an Rí ina raibh foirne páirteach ó Choláiste na hOllscoile, Corcaigh, An Coláiste Ollscoile, Baile Átha Cliath, Ollscoil na hÉireann, Gaillimh, agus Ollscoil Chathair Bhaile Átha Cliath.

Bhí an chraobhbhabhta ar siúl sna Ceithre Chúirt agus is breitheamh den Chúirt



UCD School of Law students (l-r) Peadar Ó Lamhna, Aoibhinn Ní Chionnaith and Simon Mac Giolla Easpaig who won Bréagchúirt Uí Dhálaigh Gael Linn 2013, held in the Four Courts on November 8th

Uachtarach, An tOnórach Mary Laffoy, Ardchúirt, mar aon le breitheamh den Ardchúirt, Colm MacEochaidh, a bhí mar mholtóirí, le tacaíocht ó Shéamus Ó Tuathail, A.S.

Bronnadh buantrófaí Gael Linn agus duais €600 ar na bail foirne; Aoibhinn Ní Chionnaith,

Simon Mac Giolla Easpaig agus Peadar Ó Lamhna, mic léinn agus iar-mhic léinn de chuid 'Teach na Gaeilge' Bhord na Gaeilge UCD. Tháinig foireann Choláiste na hOllscoile, Corcaigh, Sadhbh Ní Chéilleachair agus Órla Ní Fhiannachta sa dara háit.



The Lord Mayor of Dublin, Oisín Quinn, pictured with Beijing-Dublin International College students, on his first official visit to BDIC

■ Lord Mayor of Dublin visits Beijing-Dublin International College

On his first official visit to the Beijing-Dublin International College in September, the Lord Mayor of Dublin, Oisín Quinn, paid tribute to the foresight of the Presidents of the partner universities - Beijing University of Technology and UCD - and the Governments of both countries for making the idea a reality.

"It is wonderful to see two universities from two of the world's best known capital cities come together to provide a new model of international education in Beijing," said the Lord Mayor of Dublin.

Beijing-Dublin International College is the only College in Beijing to offer dual undergraduate degree courses. The degree programmes at the College are taught

through English, which is uncommon in Beijing, and the academics teaching the majority of the courses come to Beijing from University College Dublin.

"I wish the new College every success over the coming years as it grows to enroll some 3,000 student across a range of academic disciplines."

■ Big Thinking from Students on Global Challenges

Thinking Big, a forum focused on addressing some of the greatest global challenges facing Ireland and the wider world in the 21st century, took place recently in the FitzGerald Chamber in the UCD Student Centre.

Organised by a group of UCD undergraduate students and sponsored by the UCD Office of the Vice-President for Innovation, Thinking Big was held to encourage people to think differently about how they can help to shape a better future through a series of talks, panel discussions and workshops. The event included 19 expert speakers drawn from the academic, business and public sector communities.

Themes covered at the forum included: Climate Change; Energy Sustainability; European Union Integration; Food Security; Pensions Crisis; Urban Planning and Water Scarcity.

Opening the forum Professor Peter Clinch, UCD Vice-President for Innovation said, "A key innovation output for University College Dublin is a new cohort of creative, innovative and skilled students, such as the organisers of this forum, who will go on to be the leaders of tomorrow and I congratulate them on their excellent initiative in organising this event which I am delighted to support."

The closing address forum was given by Eamon Ryan, Leader of the Green Party, and a former TD and Minister for Communications, Energy and Natural Resources.

Closing the forum Eoin Flaherty, the co-ordinator of Thinking Big and a UCD Economics and History student said, "Through the excellent expert speakers who participated in Thinking Big we hope that we have been able to present attendees with the correct information and to inspire them to help shape a better future for Ireland and the wider world."