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Welcome to the President’s Report for 2007. Dublin City University has had another successful year in 2007, not least the news that the Times Higher Education Supplement (THES) had placed DCU at number 300 in the world university rankings. This is a jump of over 140 places since 2006 and illustrates the continuing rise of DCU internationally.

**DCU Awarded over €23m in Research Funding**

DCU will receive over €23m in research funding under Phase 2 of PRTLI Cycle 4. Under this strategic investment programme, DCU applied for support for five specific research projects - three science and engineering projects and two humanities and social science based projects. These projects are carried out as part of national collaborative research programmes involving other third-level institutes.

DCU’s €23m allocation is made up of €10.5m in capital funding and almost €13m in recurrent funding. The key areas of research are Therapeutics, Theranostics, Photonics, innovation within the digital media industry and research on Ireland’s relationship to languages, literatures and cultures in other parts of the world.
**€16.8m for Automatic Language Translation Research**

Dublin City University will lead a multi-million euro research partnership funded by Science Foundation Ireland (SFI) that will develop the next generation of high tech automatic language translation. This is the second Centre for Science, Engineering and Technology (CSET) that DCU has won in recent years, with the previous success of the Bio Diagnostics Institute (BDI) in 2005.

This five-year research programme will transform localisation, which is an important sector of Ireland’s global software business and a key driver of the global content distribution industry.

DCU is collaborating in the project with academic partners, UCD, UL and TCD, and with renowned global technology leaders, IBM, Microsoft, Symantec, Dai Nippon Printing and Idiom Technologies as well as key Irish SMEs, Alchemy, VistaTech, SpeechStorm and Traslan.

The CSET was announced by the Minister for Enterprise and Employment, Michael Martin. Science Foundation Ireland awarded the project €16.8m with the industry partners contributing €13.6m in materials, research services and additional funding. This funding is a great endorsement of DCU’s international research capability. It means that DCU is now leading two SFI Centres for Science, Engineering and Technology (CSETS) – in biomedical diagnostics and localisation technology – that have won the largest-ever SFI funding in the state.

**Leadership through Foresight**

2007 was the second year of the implementation of the three-year plan Leadership through Foresight. Significant items for implementation during the year included:

- Research Assessment Process
- Foresight Exercise
- Academic Framework for Innovation

**Appointments @ DCU**

2007 saw the appointment of Dr Gary Murphy, of the School of Law and Government, to the new post of Director of Graduate Research. This role was identified in the objectives of the university’s strategic plan, Leadership through Foresight. This appointment is timely in view of national developments in postgraduate training. Gary will formally take up his appointment in April.
The Director of Graduate Research will be central in shaping and building DCU's support infrastructure for postgraduate and young researcher training. This will include the establishment of an overall framework for a DCU Graduate School within which Advanced Postgraduate Training programmes, such as those funded by IRCSET and IRCHSS, will operate.

Gary will work closely with OVPR, OVPLI, the Associate Deans of Research and Heads of Schools, Centres and Faculties to ensure the most effective model of graduate school and researcher development emerges for DCU, its students and staff.

Gary Murphy was also recently awarded the President's Research Award for the Humanities and Social Sciences.

DCU Foresight Exercise

One of the most ambitious components of the university strategy, Leadership through Foresight, is the DCU Foresight Exercise. This exercise is designed to look at the future to 2028 and specifically to:

- Develop a long term vision for the university.
- Think through the options and strategies the university will need to remain successful and innovative in the future.
- Develop a roadmap to deliver on the vision.

This Foresight Exercise was co-ordinated by a cross campus working group led by the Office of the Vice-President for Research and the Office of the Theme Leaders. The process was facilitated by Sheila Moorcroft from Research for Tomorrow. Today in the UK which has extensive experience in foresight and scenario planning exercises, including working with Forfás on the major national scenario planning process.

Strategic Alliance with Arizona State University

The transatlantic strategic alliance between DCU and Arizona State University was formally marked by the visit of Professor Michael Crow, President of ASU, to the campus to talk about his revolutionary model for the New American University. President Crow has far reaching ambitions for ASU, already the biggest university in the US with more than 63,000 students, which provide a perfect match for DCU’s goals set out in Leadership through Foresight, the current strategic plan. Already called a ‘new gold standard’ for the American research university, President Crow aims to provide quality education that is accessible to all sections of the US population, create a highly educated workforce, focus on critical transdisciplinary research, generate economic growth and keep a weather eye on global developments.
The DCU-ASU strategic alliance, which will provide collaboration in research projects, academic exchanges and the development of new approaches to third-level education, is set in a context with significant parallels. DCU has the foremost School of Journalism in Ireland, while Arizona State incorporates the famous Walter Cronkite School of Journalism, named after the legendary US broadcaster. Both universities are at the cutting edge of technology developing a wide range of research projects with commercial and social potential, and both lead the way in new thinking about third-level education.

A Nature Magazine feature quotes Walter Cronkite, the ‘most trusted man in America’, saying that President Crow ‘is a true visionary of our time. He entered the city and took the reins of the university, and gave it direction and energy beyond what anyone could have imagined.’ Forming international alliances is a key objective in DCU’s strategic plan, Leadership through Foresight.

Professor Bill Harris has been appointed Adjunct Professor to DCU. He gave his inaugural lecture on Monday 26 February 2007 at 6pm in room HG20 in DCU’s School of Nursing. The title of his talk was: ‘Ireland and Research: A lot done, a lot more to do’. Professor Harris discussed how progress was made through collaboration, strong political leadership and Science Foundation Ireland, and how it is now important that this progress is continued through strong leadership and consistency of policy.

Academic Themes

The Theme Leaders, together with the Office of the Vice-President for Research and other partners launched one of the most ambitious components of the university strategy (Leadership through Foresight), the DCU Foresight Exercise. Due to complete in 2008, this exercise is designed to look at the future of DCU from now until 2028 and specifically to develop a long term vision for the university, to think through the options and strategies the university will need to remain successful and innovative in the future and to develop a roadmap to deliver on the vision.

Some notable activities of the Office of the Theme Leaders included supporting theme-aligned proposals, such as the Parsons Energy Awards around solar energy and several Enterprise Ireland Innovation vouchers, as well as supporting the building of the new ‘DCU in the Community’ outreach centre in Ballymun and leading the inter-university Irish-African Partnership for Research Capacity Building. A new website has been launched with a view to improving
the visibility and understanding of the Academic Themes.

**Innovation @ DCU**

The new Institutional Linkages Database (ILD) went live during 2007, with entry via the DCU website or via the individual staff member’s portal page. This database is a joint project between the International Office, the Computer Services Department, the Office of the Vice-President for Research and the President’s Office. The objective is to give staff a resource that will allow them to get confirmation, clarification or information on the various forms of linkages that DCU has with other institutions, both domestic and international.

These include Memoranda of Understanding, Letters of Agreement and joint research projects, including EU projects. The database currently has about 400 entries and can be searched under headings such as country, type of agreement or institution. Where appropriate the original documents can be downloaded from the database. The ILD will be updated each month from the President’s Office with input from the International Office and OVPR. This project is part of the implementation of the Internal Communications Strategy of DCU, under Leadership through Foresight.
Faculties and Schools

**DCU Business School**

**Faculty of Engineering and Computing**
- School of Computing
- School of Electronic Engineering
- School of Mechanical and Manufacturing Engineering

**Faculty of Science and Health**
- School of Biotechnology
- School of Chemical Sciences
- School of Mathematical Sciences
- School of Nursing
- School of Physical Sciences
- School of Health and Human Performance

**Faculty of Humanities and Social Sciences**
- School of Applied Languages and Intercultural Studies
- School of Communications
- School of Education Studies
- Fiontar
- School of Law and Government

**Oscail (Distance Learning)**

**Linked Colleges:**
- St Patrick’s College, Drumcondra
- Mater Dei Institute
- All Hallows College
DCU STUDENT NUMBERS

DCU Students by Qualification Type

<table>
<thead>
<tr>
<th>Qualification Type</th>
<th>Full-time</th>
<th>Part-time</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>5527</td>
<td>426</td>
<td>5953</td>
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<tr>
<td>Postgraduate Taught</td>
<td>751</td>
<td>1260</td>
<td>2011</td>
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<tr>
<td>Postgraduate Research</td>
<td>466</td>
<td>109</td>
<td>575</td>
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<tr>
<td>Non Award Visitors</td>
<td>109</td>
<td>75</td>
<td>184</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6853</strong></td>
<td><strong>1870</strong></td>
<td><strong>8723</strong></td>
</tr>
</tbody>
</table>

Exchange 218

*DCU Students registered on 1 March 2007. Does not include DCU Distance Education or Royal Irish Academy of Music Students registered with DCU. Incoming Exchange Students reported separately.

DCU Students by Faculty

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Full-time</th>
<th>Part-time</th>
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<tbody>
<tr>
<td>DCU Business School</td>
<td>1660</td>
<td>438</td>
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<tr>
<td>DCUBS/Salis</td>
<td>189</td>
<td>189</td>
<td></td>
</tr>
<tr>
<td>Engineering &amp; Computing</td>
<td>1169</td>
<td>174</td>
<td>1343</td>
</tr>
<tr>
<td>Humanities &amp; Social Sciences</td>
<td>1598</td>
<td>559</td>
<td>2157</td>
</tr>
<tr>
<td>Non Award Visitors</td>
<td>15</td>
<td>15</td>
<td></td>
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<tr>
<td>Science &amp; Health</td>
<td>2222</td>
<td>699</td>
<td>2921</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>6853</strong></td>
<td><strong>1870</strong></td>
<td><strong>8723</strong></td>
</tr>
</tbody>
</table>

*DCU Students registered on 1 March 2007. Does not include DCU Distance Education. Exchange Students or Royal Irish Academy of Music Students registered with DCU.

DCU Distance Education (Oscail) Students

<table>
<thead>
<tr>
<th>Qualification Type</th>
<th>Number</th>
</tr>
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<tbody>
<tr>
<td>Postgraduate</td>
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</tr>
<tr>
<td>Undergraduate</td>
<td>888</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1033</strong></td>
</tr>
</tbody>
</table>

*DCU Students registered on Oscail Distance Education Programmes on 1 March 2007.

DCU Students by Gender

<table>
<thead>
<tr>
<th>Gender</th>
<th>Full-time</th>
<th>Part-time</th>
<th>Oscail</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>3300</td>
<td>742</td>
<td>524</td>
<td>4566</td>
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<tr>
<td>Female</td>
<td>3553</td>
<td>1128</td>
<td>509</td>
<td>5190</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6853</strong></td>
<td><strong>1870</strong></td>
<td><strong>1033</strong></td>
<td><strong>9756</strong></td>
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</tbody>
</table>

*DCU Students registered on 1 March 2007. Excludes incoming Exchange Students or Royal Irish Academy of Music Students registered with DCU.

Postgraduate Research

<table>
<thead>
<tr>
<th>Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>575</td>
<td>6.60%</td>
</tr>
</tbody>
</table>

Percentage figure excludes Oscail, incoming Exchange Students or Royal Irish Academy of Music Students registered with DCU.

Non-Traditional Students – Numbers

<table>
<thead>
<tr>
<th>Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1152</td>
<td>19.40%</td>
</tr>
</tbody>
</table>

*Non-Traditional Students are full-time undergraduate students who are classified as Mature, Access or Students with a Disability on 1 March 2007. Percentage as a proportion of undergraduate students at DCU.

International Students

<table>
<thead>
<tr>
<th>Full-time</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1421</td>
<td>16.30%</td>
</tr>
</tbody>
</table>

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

DCU has committed to developing new and innovative programmes across the university and this year is no exception. DCU has introduced a number of new degree courses for the next academic year starting in September 2007. These courses are an attractive addition to the university’s already substantial range of degrees and postgraduate courses in health, science, business and the humanities:

• BA in Contemporary Culture and Society
• BA in Applied Language and Intercultural Studies
• BA Gaeilge agus Iriseoireacht / BA in Irish and Journalism
• BSc in Physics with Biomedical Sciences
• Higher Diploma in Children’s Nursing
• Graduate Certificate in Development Education
• Graduate Diploma/MSc in Guidance and Counselling
• Graduate Diploma/MSc in Emergency Management
• MA in Development
• MA in International Organisations
Author and former Labour TD Dr John Horgan has been appointed as the State’s first Press Ombudsman. Dr Horgan retired last year as professor of journalism at Dublin City University. He began his career in the media in the Evening Press in 1962 and wrote about religion and education while a staff journalist at The Irish Times. He became a member of the Seanad in 1969 and also served in the Dáil and the European Parliament.
Academic Life and Student Experience

Learning Innovation Strategy

In the context of implementing the Learning Innovation Strategy of the university, colleagues from across the university have been engaged in thinking about new ways to develop and revitalise the academic portfolio.

The new development, called the Academic Framework for Innovation (AFI) will be implemented in DCU over the next two years and will offer the student population an exciting choice in terms of modules for their undergraduate degree. We explicitly wanted to build directly on our existing strengths and DCU’s distinctive culture of innovation.

These discussions led in December 2006 to the production of the Draft Academic Framework for Innovation which has now been passed by Academic Council, Executive, Academic Strategy Committee, Faculty Boards, Faculty Teaching and Learning Committees and others. The underlying principles have been well received and many useful suggestions made in relation to implementation matters.
President’s Award for Excellence in Teaching and Learning

At the annual DCU teaching and learning day, Professor Ferdinand von Prondzynski, President of DCU, presented his annual Teaching and Learning awards to the DCU staff members who have made outstanding contributions to the teaching and learning mission of the university.

The winners were:

Odilla Finlayson, School of Chemical Sciences (Academic category) nominated for her innovative and supportive approaches to facilitating independent student learning, as well as her research work on student approaches to learning chemistry.

Brian Freeland, School of Biotechnology (Teaching support category) nominated for his enthusiastic, innovative and committed contribution to supporting all aspects of bioprocess engineering teaching within the School.

The awards are made annually. Nominations are made by students and staff and are then adjudicated on by a panel appointed by the University Teaching and Learning Committee. The awards are also supported under the HEA Strategic Initiatives scheme.

Appointments @ DCU

Professor Oliver Dolly, Director of the International Centre for Neurotherapeutics, DCU, and Professor Brian MacCraith, Director of the Biomedical Diagnostic Institute, DCU, were honoured with membership of the Royal Irish Academy (RIA). Membership of the Royal Irish Academy is the highest honour that can be attained by scholars and scientists working in Ireland. It currently has 385 members who are elected in recognition of their academic achievements.

Student Affairs

Dr Claire Bohan was appointed Director of Student Affairs and took up office in July 2007. Student Affairs has been expanded to include the INTRA Office, which was formerly under the umbrella of INVENT, and the International Office. A major refurbishment of a central corridor in the Henry Grattan building followed shortly after and all units were re-located to this corridor in order to increase the visibility of the student support services in DCU.
DCU Students Win at BIC Awards

DCU students scooped two awards at the BICS National Awards hosted by NUI Galway in April 2007. On the night the achievements of the top societies from 14 colleges throughout Ireland were celebrated. DCU student, Robert O’Mhurchú won the award for Best Individual in a large college. He is actively involved in 13 societies this year. The DCU Book Society won Best New Society in a large college.

Forty two students and five adjudicators (comprised of DCU staff and students) travelled to Galway in support of their societies and fellow students. The societies represented and nominated for awards were as follows: St. Vincent de Paul, Drama, Music, Games, Book, Debate and Redbrick. DCU won two awards on the night. The Board of Irish College Societies is a national organisation, constituted in 1995, which is dedicated to providing a national forum for the societies in Ireland’s universities, colleges and institutes of education and is responsible for the promotion of interest in the activities of Irish college societies and of contact and co-operation between them.

Entrepreneurs Join DCU Ryan Academy Fellowship

One hundred and seventy four of Ireland’s leading entrepreneurs have been made Fellows of the DCU Ryan Academy of Entrepreneurship at a ceremony held in the Academy’s campus at Citywest. Among the group are Denis O’Brien, Chairman of Communicorp and winner of the Ernst & Young Entrepreneur of the Year 1998, and recent winners of the award, Anne Heraty, CPL Group (2006) and Aidan Heavey, Tullow Oil (2005).

The entrepreneurs are all finalists of the Ernst & Young Entrepreneur of the Year Awards 1998-2006 and have been invited to join the Fellowship as part of the Academy’s partnership in the Ernst & Young programme.

Denis O’Brien gave the inaugural speech at the ceremony where he explained the strategic challenges he has encountered in his career. The winners debated issues affecting leadership, company growth and the development of an entrepreneurial culture in Ireland.

CEO of the Ryan Academy, Professor Terri Scott said ‘We are building an active community of Ireland’s most successful businesspeople who are exemplars to budding entrepreneurs and a catalyst for entrepreneurial growth throughout the island of Ireland and beyond.

‘The Fellowship programme will enable business leaders to inform, influence and contribute to the debate on entrepreneurship.’

Enda Kelly, Partner-in-Charge, Ernst & Young Entrepreneur of the Year programme said, ‘The Entrepreneur of the Year finalists are much-admired leaders in their industries and important role models.’

During the year the Ryan Academy hosted the inaugural Strategic Leadership Series for its Fellows in
conjunction with Ernst & Young. The series of one-day master-classes covered topics such as Strategic Branding, Growth, Financing and Leadership and was hosted at the Academy by leading practitioners and academics from DCU and international business.

Scholarship @ DCU

Dr Darach Turley, a senior lecturer in DCU Business School, has recently been awarded a Fulbright Scholarship to conduct research at Georgetown University in Washington, DC for the coming academic year. Darach’s teaching and research interests are mainly in the field of consumer behaviour. At Georgetown, Darach plans to work with Professor Gary Bamossy on two research projects that follow on his research to date. The Fulbright Program, which has been running since 1945, fosters academic cooperation between the United States and other countries. To date, over 250,000 scholars have received scholarships.
It has been another very good year in terms of new project starts and successful implementation of existing projects, all of which are a great credit to the participating researchers and support staff throughout the university. It is important to also acknowledge the roles played by the funding agencies and business/industry in providing the essential external funding.

We pay tribute to the many research students who have graduated during the year (almost 100) and to their supervisors and support staff who have made this possible.

Large-scale endeavours such as the PRTLI and CSET successes, through a wide range of projects funded by HEA, SFI, EI, Marine Institute, HRB, EPA, government departments, EU and other external bodies, to individual graduate student and postdoctoral successes from IRCSET and IRCHSS, show the continuing competitiveness of DCU’s research community. The value to DCU of the
research contracts signed during 2007 total to an impressive €60 million.

With these continuing successes have come corresponding challenges in terms of providing both soft and hard infrastructural supports. The OVPR has relocated to the Invent building, with Research Support Services joining together with the recently established DCU Graduate Office and the growing Invent team, to provide a more coordinated range of supports for our research community.

**Research Centres in DCU**

The development of research centres in DCU has been an important part of the research infrastructure and support that the university has invested in since its inception.

- National Institute of Cellular Biology (NICB)
- National Centre for Sensor Research (NCSR)
- National Centre for Plasma Science and Technology (NCPST)
- Research Institute for Networks and Communications Engineering (RINCE)
- Biomedical Diagnostic Institute (BDI)
- International Centre for Neurotherapeutics (ICNT)
- Centre for the Advancement of Science Teaching and Learning (CASTeL)
- Centre for Digital Video Processing
- Centre for International Studies
- Centre for Society, Information and Media
- Centre for Translation and Textual Studies
- Materials Processing Research Centre
- Centre for Software Engineering
- National Centre for Language Technology
- National Centre for Technology in Education
- Centre for Bioanalytical Science

**Key Research Metrics**

**Research Metrics 2007**

- Research Expenditure €29m
- Contracts Awarded €42m

**Research Income by Source 2007**

- Science Foundation Ireland 40%
- EU 10%
- Industry 10%
- Other 9%
- Higher Education Authority 12%
- Research Councils 0%
- Health Research Board 2%
- Enterprise Ireland 11%
- National Institute of Cellular Biology (NICB) 10%
- National Centre for Sensor Research (NCSR) 2%

**DCU Research Strategy Funding Initiatives**

The DCU Strategy, Leadership through Foresight, has identified as one of its key objectives, developing DCU as a university where ‘increasing attractiveness to existing and potential staff, students, young researchers and distinguished visitors, sustains and enhances its research activity’.
To underpin this high level objective, the Office of the Vice-President for Research established a DCU Research Fellowship Programme. Two Fellowship Awards are available during 2007 and the programme aims to provide funding for a period of concentrated research, combined with significant career development opportunities for a period of two years. The programme is open to all DCU staff with a minimum of two years post PhD experience.

The first recipients of Fellowships under this scheme were Dr Jennifer Brennan (National Centre for Sensor Research: Mentor Professor Forster); Dr Ovidiu Ghita (School of Electronic Engineering: Mentor Professor Whelan); Dr Lorraine O’Driscoll (National Institute for Cellular Biotechnology: Mentor Professor Clynes).

Leadership through Foresight also identified the importance of a small number of strategic alliances with other institutions globally. In 2006, DCU signed a Memorandum of Understanding to formalise a strategic alliance between DCU and Arizona State University (ASU), based in Phoenix, Arizona. To help underpin this alliance, a joint travel fund was established by the OVPR and the President’s Office to support academics who feel that they can develop joint research projects. A number of travel awards for DCU staff were supported in 2006. OVPR issued a second call for Travel Support Funding to further enhance the alliance with ASU during 2007.

Strategic planning funding combined with OVPR funding has also been used to fund a second call for both the International Visitors Programme and the Conference Support Programme.
DCU Receives over €23m in PRTLI Research Funding

Following an announcement by the HEA, DCU will receive over €23m in research funding under Phase 2 of PRTLI Cycle 4. Under this strategic investment programme, DCU applied for support for five specific research projects - three science and engineering projects and two humanities and social science based projects. These projects are carried out as part of national collaborative research programmes involving other third-level institutes.

DCU’s €23m allocation is made up of €10.5m in capital funding and almost €13m in recurrent funding. The key areas of research are Therapeutics, Theranostics, Photonics, innovation within the digital media industry and research on Ireland’s relationship to languages, literatures and cultures in other parts of the world.

Professor Eugene Kennedy, DCU’s Vice-President for Research, welcomed the HEA’s announcement. ‘Today’s announcement represents a 100% “success” rate for DCU and is recognition of DCU’s growing excellence in research. The fact that all areas of research - within science, engineering and humanities - have been acknowledged is a great testament to DCU’s researchers. Most importantly, these successes will build on our collaborations with our
partner institutions which are all within the context of national initiative. Furthermore, this will enable DCU together with its collaborating partners to produce highly qualified young researchers for Ireland’s knowledge-based society.’

**Therapeutics and Theranostics Research**

Under the PRTLI funding, DCU’s International Centre for Neurotherapeutics, School of Biotechnology in conjunction with the Biomedical Diagnostics Institute, will receive €12.5m. It will open up cutting-edge research in Neuroscience, Immunology and Cell Biology for the development of novel therapeutics.

**Photonics Research**

The new investment of €7m for the National Biophotonics and Imaging Platform (NBIP) will build on past research, education and enterprise achievements in the first round of PRTLI funding. This multi-university research programme is funding the development of enhanced spectroscopy and microscopy techniques to view molecules in human cells at DCU, probing their nature and behaviour, to reveal the origins of major diseases. Early detection is a key to better and more effective treatment of life-threatening conditions.

The programme will further develop DCU’s ‘Science, Discovery and Technological Innovation’ and ‘Life Sciences and Health in Society’ themes.

**DCU to Lead Multi-Million Euro Research in High Tech Automatic Language Translation**

Dublin City University is to lead a multi-million euro research partnership funded by Science Foundation Ireland (SFI) that will develop the next generation of high tech automatic language translation. This five-year research programme will transform localisation, which is an important sector of Ireland’s global software business and a key driver of the global content distribution industry.

DCU is collaborating in the project with academic partners, UCD, UL and TCD, and with renowned global technology leaders, IBM, Microsoft, Symantec, Dai Nippon Printing and Idiom Technologies as well as key Irish SMEs, Alchemy, VistaTech, SpeechStorm and Traslan. The Minister for Enterprise and Employment, Michael Martin, announced the award of €16.8m to the project by SFI, and the industry partners are contributing €13.6m in materials,
Ireland already has a substantial global footprint in the localisation industry – the process of adapting digital content, download manuals, software and other materials to different languages and cultures.

The Irish project will tackle three critical problems for the localisation industry:

• Volume: The amount of content to be translated and localised to the destination culture and environment is growing rapidly and massively outstrips the supply of human translators.

• Access: Powerful, small devices such as mobile phones and PDAs require novel technologies, integrating speech and text to support ‘on the move’ delivery of, and access to multilingual information.

• Personalisation: A new demand has rapidly emerged for the adaptation of a huge amount of multilingual content now available on the web for individual needs. It needs ‘instant’ localisation and personalisation to meet the demands of the users.

Ireland has a unique concentration of university and industry-based research and development expertise in language technologies, machine translation, speech processing, digital content management and localisation.

Migrant Community Mental Health Research

DCU in partnership with Cairde has received EU funding to carry out research into the mental health and well-being of migrant communities in Ireland. It will also provide, for the first time, an Irish dimension to projects being undertaken across the EU in the field of migrant and ethnic minority health.

The research will be carried out by DCU researchers under the leadership of Professor Ronnie Munck. It will be directed and driven by members of the community who will work in consultation with community leaders to identify the self-perceived needs and priorities of minority communities. Researchers from these communities will then investigate the needs in depth.

Topics to be investigated include awareness of services available, resources available in the community, the use that is made of the services, how the population relates to community resources of which they are aware, and identification of issues that might lead to a need for provision of a service.

The project is part of the EU ‘Science Shop’ scheme whereby researchers provide their services on an affordable basis, promote and support public access to science and technology, and provide civil society with knowledge and skills through research and education. DCU’s School of Nursing will provide resources for the training of field researchers and provide support in the collection and analysis of data.

Health Research Board Funding

Professor John Crown, the Thomas Baldwin Professor of Translational Cancer Research at DCU and a
Consultant Medical Oncologist at St Vincent’s University Hospital, was one of four leading Irish consultants to be awarded a total of €6.5m by the Health Research Board (HRB) to dedicate a significant portion of their time to conducting research in their specialised field over the next five years. Professor Crown aims to use his research time to improve and develop our knowledge and use of targeted molecular therapies for breast cancer.

DCU Researches Synthetic Bone and Soft Tissue to Replace Human Grafts

An international team of DCU researchers have begun work on ways of producing synthetic hard and soft tissue for humans that could revolutionise treatment for people affected by disease and trauma. The European Commission funded project, costing about €1.2m, is being coordinated by Dr Lisa Looney, Director of the DCU Materials Processing Research Centre and a senior lecturer in the School of Mechanical and Manufacturing Engineering.

The research at DCU will study a number of innovative manufacturing processes with a view to achieving this control and repeatability, while refining the architecture, strength and texture of the tissue substitutes and measuring living cells’ response to these new synthetic replacements. Obviously the techniques will differ for soft vascular tissue and bone replacements; the group is studying both.

Dr Looney is joined by other senior investigators in this work, Dr Garrett McGuinness, Dr Joseph Stokes and Dr Dermot Brabazon. DCU’s vascular health research centre is collaborating with the project, as well as engineers in ITT Dublin.

The research is being funded under the EU’s Marie Curie Early Stage Training (EST) programme and will be implemented by seven postgraduate level researchers over the next three years. These highly qualified young researchers have been recruited from across Europe (Poland, Spain [2], Hungary [2] and further afield [Turkey and China]), from a range of disciplines (mechanical, biomedical and industrial engineering, biology and biotechnology).

DCU School of Education Studies Involved in €1m Research Project

Irish students taking the new Belief and Communication module at Dublin City University were involved in an exciting educational link with Marquette University in Milwaukee, Wisconsin. The School of Communications delivered joint live video seminars on current issues such as the heated
Professor Colum Kenny is coordinator of the interdisciplinary course at DCU. The participating professor at Marquette is Claire Badaracco. Her ‘Media Ethics’ and ‘Media and Religion’ students will be participating with DCU Communications undergraduates. This unique module is being delivered at DCU by a team that is both cross-faculty (DCU Faculties of Humanities, Science and Health) and cross-institutional (DCU, St. Patrick’s College, Mater Dei). In 2004, Professor Kenny was awarded a DCU Teaching and Learning Fellowship in Belief and Communication.

DCU School of Education in EU Research Project on Social Exclusion

DCU School of Education Studies is taking part in a €3m project, funded by the EU, which will examine social exclusion in education across the EU. This is the largest European project on education that has ever been undertaken and has attracted the biggest budget for research in the Social Sciences at European level.

Some of the issues that the DCU team will look at include class size, exam structures and learning support for students with learning difficulties. Other participating countries will include Spain, Germany, Belgium, Cyprus, Finland, Latvia, Italy, Malta, Poland, Slovenia, Hungary, Lithuania, Holland and England. The researchers will analyse educational strategies that contribute to promote equality and promote social cohesion.

The five-year research project will be used to inform policy at national and EU level. The DCU School of Education Studies has research expertise that spans across a wide range of areas in education and training: educational evaluation including teaching and learning methodologies, curriculum development, training needs analysis, action research, e-learning, management and communication skills, values citizenship, pluralism and identity.

DCU Research Detects 100% Contamination of Euro Notes with Cocaine

An ongoing research project into the detection of illicit drug use has shown that of a sample of bank notes in current circulation in the greater Dublin area - €5, €10, €20 and €50 denominations - 100% of them
showed contamination with cocaine. The research was carried out by PhD student, Jonathan Bones, working under the supervision of Professor Brett Paul at DCU’s National Centre for Sensor Research (NCSR) which specialises in sensor technology used in medical diagnostics, environmental monitoring and other industrial applications. The research was funded by the Irish Research Council for Science, Engineering and Technology.

Using a technique involving chromatography/mass spectrometry, a sample of 45 bank notes were analysed to show the level of contamination by cocaine. The cotton structure of the Euro bank notes absorbs chemical residues, making it relatively easy to analyse. While all of the notes proved positive for cocaine contamination, three showed the presence of heroin. The highest amounts of cocaine residues were found on €20 and €50 bank notes, as compared to €5 and €10. The remainder of the notes which showed only ultra-trace quantities of cocaine was most probably the result of contact with other contaminated notes, which could have occurred within bank counting machines or from other contaminated surfaces.

DCU Astronomers Measure the Speed of the Most Powerful Explosions in the Universe

DCU astronomers in collaboration with a team of international researchers have measured the velocity of explosions known as gamma-ray bursts (GRBs). These powerful events occur in distant galaxies and signal the death of very massive stars that collapse into black holes. GRBs are the most powerful energy releases since the Big Bang and are so bright that they rival the whole universe in luminosity. They last for a very short time, from less than a second to a few minutes. In order to emit such incredible power in so little time, the exploding material must be moving at a speed comparable with that of light, which is 300,000 km per second.

The initial readings for two such GRBs were recorded by a satellite gamma-ray telescope orbiting the Earth on 18 April and 7 June 2006. In a matter of a few seconds, their position was transmitted to the ground, and the robotic ‘REM’ telescope at the European Southern Observatory (ESO), La Silla, Chile, began to observe these GRB fields, detecting near-infrared afterglows and monitoring the evolution of their luminosity as a function of time (the light curve).

The two gamma-ray bursts were located in faraway galaxies, at 9.3 and 11.5 billion light-years respectively. For both events, the light curve was initially rising, then reached a peak and eventually started to decline, as is expected for GRB afterglows. The peak is, however, only rarely detected. Its determination is very important and very exciting, since it allows a direct measurement of the expansion velocity of the explosion.

For both bursts, the velocity turns out to be very close to the speed of light; to be precise 99.9997% of this value. Astronomers use a special number, called the Lorentz factor, to express these high velocities.
Objects moving much slower than light have a Lorentz factor of about one, while for these two GRBs it is about 400.

**DCU Business School Online Shopping Survey**

A DCU Business School survey of online shopping revealed that 70% of the shoppers are female and 65% are aged between 30 and 50. The survey also shows that consumers strongly disagree with the view of online vendors about the privacy and overall quality of their online shopping experience.

The survey conducted with the collaboration of online retailer Buy4Now and their vendors also shows that three quarters of the shoppers have a third-level qualification, 29% in Business, 17% in Computer Science and 16% in Humanities. The survey measured perceptions of quality of service by consumers and vendors, as well as profiling the characteristics of the online shoppers. Practically all of the vendors on Buy4Now took part and 359 consumers provided valid responses.

The researchers, Dr Sarah Ingle, lecturer in Enterprise and Entrepreneurship, and Dr Regina Connolly, lecturer in Management Information Systems at DCU Business School, were investigating the low rate of online retailing adoption by Irish consumers, despite an improvement in broadband availability and usage. The most frequently purchased items, they found, are CDs and DVDs at 27%, while airline tickets follow closely at 24% and food and books are 14% and 11% respectively.

Shoppers and vendors sharply differ over privacy issues – the extent to which the site is safe and protects customer information and the perceived value and quality of the online service. Vendors appear to have an extremely positive view of how their website is performing in these areas, which is not matched by customer responses. Overall the vendors have a more positive view of the general service they are providing than consumers.

**Graduate Success @ DCU**

**DCU Grad in 'Happy Feet' Animation Oscar Team**

Dubliner Eoin Murphy, a DCU Computer Applications Graduate, was part of the ‘Happy Feet’ production team who won an Oscar for the Best Animated Feature Oscar. ‘Happy Feet’, the popular animation directed by George Miller, who also directed Babe, won the Oscar over competition including Pixar’s Cars and Monster House. Eoin, who hails from Dundrum, was part of a team of software people involved in the project. Eoin is now 34 years of age and graduated from DCU in 1994 with a degree in Computer Applications.

**DCU IT Job Survey Shows 13,900 Vacancies - Up 26%**

The latest DCU IT job survey shows that the number of job vacancies in the sector is 13,900 – an increase of 26% on the last survey in May 2006.

These figures are based on 16,300 advertisements for IT jobs in Ireland currently appearing on the World Wide Web, adjusted for multiple advertisements for
some jobs and multiple jobs in some advertisements. This series of DCU surveys began in May 2005, revealing 8,000 IT vacancies. The current level of vacancies advertised is up a whopping 74% on the first survey.

The jobs cover a wide spectrum, including roles such as Web Developer, Senior Software Engineer, Embedded Software Developer, Systems Analyst, Financial Software Developer, Game Developer, IT Project Management, IT Sales and Technical Support. Some of them require a number of years’ prior experience; others are available for recent college graduates. The variety of activities involved reflects the growing importance of IT to all aspects of the economy.

The Government’s Expert Skills Group’s Report (October 2003) predicted a shortfall of between 1,217 and 2,313 in the supply of graduates in 2010 but the gap now seems likely to be significantly larger. It will be filled by graduates from abroad and already there have been Government initiatives aimed at facilitating work permits for those coming into the sector.
Knowledge Transfer

DCU Invent

As DCU’s ‘Commercialisation Gateway’, the Invent Centre has the infrastructure, the ability and the expertise to assist and advise industry, academia and researchers in their innovation, commercialisation and business development endeavours. Commercialisation is a key part of the translational research agenda, which DCU sees as a key part of its strategic direction.

Invent works closely with DCU faculties and students, industry, government agencies and the local community to support and encourage the transformation of cutting edge research into innovative and commercially exploitable products and services. Invent has many years of helping individuals to start their own business and provides 2,800 square metres of purpose-built incubation space for technology based start-up companies, as well as offering a range of early stage and
developmental business support services to its client companies.

Invent works with DCU researchers to identify innovations with commercial potential, manages the process of evaluating and protecting the University’s research based IP through technology transfer, licensing and spinouts, and provides business and marketing strategies for possible commercialisation. DCU through Invent uses its extensive links with industry to help forge business and research partnerships and to market DCU’s commercialisation opportunities and research capabilities both nationally and internationally.

**Patent Filings 2001-2007**

**Invention Disclosures 2001-2007**

**DCU Develops Smart Packaging**

A team of researchers, led by Professor Dermot Diamond at Dublin’s Adaptive Information Cluster (AIC), working in collaboration with the Marine Institute, Teagasc-Ashtown Food Research Centre and the Irish Fisheries Board, Bord Iascaigh Mhara (BIM), has developed ‘smart packaging’ for fresh fish and fish products that tells the consumer if their pre-packaged product is spoiled. The AIC is a major initiative involving researchers from UCD and DCU, funded by Science Foundation Ireland.

The smart packaging is based on a sensor spot inserted within the pack that changes colour from yellow to orange/red in the presence of basic volatiles responsible for the characteristic ‘rotten fish’ odour of spoiled seafood. The colour change occurs because the sensor contains a pH sensitive dye that responds like litmus paper to the basic volatiles. Although the colour change can be seen with the naked eye, a low-cost portable colour scanner has also been developed as a means of quantifying the colour change under everyday conditions.

The sensor can be located on an internal adhesive label or encased in a small plastic holder punched through the covering lid, which has five hollow barbs to allow the sensor to access the pack atmosphere from the outside while preserving the package integrity. The sensors were tested in collaboration with Ireland’s biggest seafood producer Oceanpath Ltd., (Howth) and Irish supermarket Superquinn, known for its quality fresh food offering.
The team has patented aspects of this research and is now looking for partners to further develop and commercialise smart packaging technologies such as colour-responsive formulations for this and other food spoilage applications and the optical scanner platform. The project was funded by Enterprise Ireland (EI), the Marine Institute and Science Foundation Ireland (SFI).

**Entrepreneurship @ DCU**

A 24 year old DCU graduate has recently been named BusinessWeek Young European Entrepreneur of the Year. Aodhan Cullen started StatCounter, a web analytics service that provides free website traffic statistics to 1.4 million members. It tracks over nine billion page-loads each month across over two million websites. Its business model is based on selling advertising in the members' area where users view their traffic statistics. It also offers extra detailed statistics to members on a paid-for basis. StatCounter is one of the most visited websites in the world, ahead of household names such as Apple, Adobe and Dell. It has the same ranking in the Google PageRank system (9/10) as Google itself, Microsoft, Cisco, NASA and the White House. Cullen has a degree in Computer Applications from DCU.

**Commercialisation of University Research Student Awards**

The first Commercialisation of University Research Student Project Awards took place in August. The awards were for the best business plans for product/service ideas generated from university science and technology research projects and were initiated in order to recognise the contribution of student projects to the University’s research activities. The awards were sponsored by Invent and the Academic Themes and were coordinated by Teresa Hogan of the Business School.

The projects were undertaken as part of the Innovation and High Technology Entrepreneurship Module on the Masters in Electronic Commerce Degree Programme. The premise of the projects is that students identify the best route to market for their products/ideas and undertake extensive research on competitors, markets and customers. First prize was awarded to students for developing a cost effective process of creating an electrode that can be used in ammonia detection. The project was undertaken with the National Centre for Sensor Research.
President Mary McAleese has said criminal entrepreneurs have to be stopped in their tracks and it is up to the consumer to help make this happen. President McAleese was addressing the Mella Carroll Commemorative Lecture entitled ‘Women and Justice: A Balancing Act’, hosted at DCU on Wednesday 25 October. President McAleese’s comments on criminal entrepreneurs made headline news on RTÉ, Today FM, Newstalk 106FM and 98FM.

Miss Justice Mella Carroll died in 2006 after a long illness. In 2001 Mella Carroll took up her appointment as Chancellor to DCU. In 1980 she had been the first female judge to be appointed to the High Court. She also chaired the Commission on the Status of Women and the Commission on Nursing.

The President of DCU, Professor Ferdinand von Prondzynski welcomed President Mary McAleese, Ms Justice Mary Laffoy and Minister for Health and Children Mary Harney to the commemorative lecture honouring the late Honorary Miss Justice Mella Carroll.

Accessing Education Conference

The ‘Accessing Education’ conference was a joint Irish/US venture, opened by Minister for Education and Science, Mary Hanafin, TD. The conference was attended by over 100 delegates who work in the area of inclusion. Delegates were welcomed by President of DCU, Professor Ferdinand von Prondzynski and Charge d’Affaires at the US Embassy, Robert Faucher. It is expected that Irish policies on access and social inclusion through education will be influenced by the research findings presented at the conference.

The aim of the conference was to examine ways of promoting social inclusion through education. Guest speakers from the US included Victoria Baldwin, High School Principal of Gonzalo Garza High School, Texas and Professor James Banks, Director of the Centre for Multicultural Education at the University of Washington. Dr Carmel Mulcahy, Dr Charlotte Holland and Mr John Lalor of DCU’s School of Education Studies also presented the results of an EU-funded project ‘Includ-ED’.
Dublin City University hosted a major mental health conference, Health 4 Life which has become a yearly event. Professor Thomas Szasz, the renowned psychiatrist of the 1960s who wrote ‘The Myth of Mental Illness’, spoke at the conference, which was open to professionals in the area of mental health nursing, but was also open to service users and their families. Other talks at the conference included: ‘Working with a Person after a Brain Injury’, ‘Recovering from Recurrent Mental Health Problems’ and ‘Postnatal Depression’.

**Appointment @ DCU**

Paddy McGowan has been appointed to an ‘expert by experience’ role as a research officer in DCU. This is the first time such a role has been offered in Europe. McGowan was appointed as Research, Teaching and Practice Development Officer to the DCU’s School of Nursing in April. Over the coming years McGowan will work with both students and lecturers to develop new ways of providing mental health services across Ireland.

**Major Telecoms Conference with China**

The China-Ireland International Conference on Information and Communications Technologies ran during August at Dublin City University. Professor Yan Ma of the Beijing University of Posts and Telecommunications presented a paper on the China Next Generation Internet project. This is one of the topics under discussion at a major telecommunications conference being held at DCU. Over 60 academics and industrialists from China will attend. The conference was held last year in Hangzhou in China and next year will be held in Beijing to coincide with the Olympic Games.

**Conference Hears that Killer-Bug Could Outstrip MRSA in Irish Hospitals**

Research findings on a bug, which is a major threat to hospital patients, and particularly elderly patients, and could outstrip MRSA, will be presented to the Irish Society for Immunology (ISI) Annual Conference at Dublin City University.

The symptoms from this bug, which is called ‘Clostridium Difficile’, range from mild illness to life-threatening colitis. In severely affected patients the inner lining of the colon becomes severely inflamed and sometimes the walls of the colon wear away,
causing perforation, which can lead to a life-threatening infection of the abdomen. Research was presented by invited speakers from the US, Europe, UK and Ireland. The research presented has implications for a wide range of diseases including asthma, cystic fibrosis, tuberculosis, multiple sclerosis and autoimmunity.

Recent work carried out at DCU has focused on proteins isolated from the coat of the bacteria and identified how they mediate the interaction of this bacteria with the immune system. This research significantly increases our knowledge about how this bacteria initiates infection and subsequent inflammation in the colon. Furthermore, it may provide vital information regarding the susceptibility of certain patients to this infection. Ultimately these recent findings could lead to huge advancements in the prevention and treatment of this infection.

**Graduate Success @ DCU**

Dubliner John Mulholland was appointed the new editor of the world’s oldest Sunday newspaper, The Observer. He graduated from Dublin City University in 1983 and is the second Irishman to edit the paper after Conor Cruise O’Brien who was editor-in-chief of the newspaper between 1979 and 1981. The current deputy editor of The Observer, Mr Mulholland has spent much of his career with Guardian Newspapers.

**DCU Report Calls for Introduction of National Guidelines**

At the launch of the new BSc in Physical Education with Biology, a report calling for the introduction of national guidelines for physical activity for youth was made public today. The report was carried out by Dr Catherine Woods, Dr Niall Moyna, Dr Donal O’Gorman and Ms Norah Nelson of DCU’s School of Health and Human Performance.

The report examined levels of activity among 845 15-17 year olds and showed that 60% do not meet the current recommendations for physical activity and were classified as ‘not regularly active’. Low inactivity at this age leads to greater likelihood of illnesses in later life such as high blood pressure, cardiovascular disease, gallstones, insulin resistance and other ‘avoidable’ medical conditions.

The study showed that 71% of females and 49% of males were not meeting minimum physical activity recommendations. The recommendations of the report are that adolescents participate in at least 60 minutes of moderate to vigorous intense physical activity that is developmentally appropriate, involves a variety of activities and is enjoyable.

**Research Awards**

DCU’s highest research distinction, the President’s Research Awards, were presented to Professor Brett Paull and Dr Gary Murphy. The awards acknowledge the serious commitment to the research in both
Science and Engineering and Social Sciences and Humanities. The criteria for the awards are national and international prominence, the relevance of the research and the degree of excellence the research has achieved in each specialised area.

Professor Brett Paull, Head of the School of Chemical Sciences, received the award for his outstanding contribution to research in Science and Engineering. He is internationally recognised for his contributions to the development of separation science based technologies. He has received particular recognition for his research into ion chromatography and capillary electrophoresis of small inorganic ions. This aspect of his research was recognised in 2005 through the award of the Society of Analytical Chemists Silver Medal, an annual international award for leading analytical scientists under 35 years of age. He heads a research group of 15, with many active collaborations with international groups based in the UK, Austria, Russia, Norway, the US and Australia. He has authored 77 journals and book articles and has also secured considerable research funding from both national and European sources.

Dr Gary Murphy received the award for his research in the field of Humanities and Social Sciences. Dr Murphy was co-editor of Irish Political Studies. He is a well-known and frequent commentator on contemporary matters in the written and broadcast media. His book ‘Economic Realignment and the Politics of EEC Entry: Ireland, 1948-1972’ was launched in the Irish embassy in Washington DC in June 2003. It was the first book-length treatment of the role of interest groups in Irish society in the post-war period and explains how interest groups aligned with various governments in the formation of Irish economic policy in the 1960s, preparing the way for membership of the EEC.
DCU’s Civic Engagement Strategy made considerable progress in 2007. The flagship project is DCU in the Community, which is an outreach facility in Ballymun. This has now been renovated in conjunction with Ballymun Regeneration Limited (BRL). It will be opening for students in early 2008 and will act as a window into the world of higher education for local residents who have been hitherto excluded from the tertiary sector. This project is being conducted in partnership with Whitehall Community College, demonstrating DCU’s flexibility and desire to do all in its power to forward the access agenda.

To complement the teaching outreach function of DCU in the Community, we have also advanced in the establishment of the DCU Science Shop: Community Knowledge Exchange that has nearly completed its first EU funded project on migrants and mental health, in partnership with a migrant-led non-government organisation (NGO) called Cairde. This pilot project will establish best practice for the mainstreaming of community knowledge exchange in 2008.

**DCU Launches 'Finglas for Diversity' Report**

The DCU Finglas for Diversity pilot project launched its report in March at a reception attended by members of community groups, NGOs, anti-racism groups, educational organisations and DCU President Professor Ferdinand von Prondzynski. Finglas for Diversity is a multi-agency network based in Finglas, which aims to highlight the benefits of existing diversity in the community and to increase understanding of immigration by encouraging integration and cultural diversity at local level.

Finglas for Diversity has been collaborating with staff from the School of Communications, the School of Applied Languages and Intercultural Studies and the School of Education Studies in DCU over the past 18 months to involve undergraduate and postgraduate students.

From the perspective of the Finglas community, the work has forged important links between local groups and the University.

The work begun by DCU students will be carried on by the Finglas for Diversity network after the pilot project has come to an end. The students’ groundbreaking work on a welcome/information pack for migrants settling in the Finglas area will be further developed, supported by a grant from Dublin City Council. The media artifacts created, which are in the process of being adapted into an education resource pack, will be made available for use in primary and secondary schools.

This project was made possible with core funding from Finglas for Diversity, the Finglas Cabra Partnership, the DCU Learning Innovation Unit and
the DCU Theme Leader for Internationalisation, Interculturalism and Social Development. Essential project funding was also provided by the citizenship2005.ie programme, the City of Dublin CDVEC, Dublin Bus and Dublin City Council.

**Education Minister Visits The Centre for the Talented Youth of Ireland**

Fifteen-year old Evanna Lynch, star of the new blockbuster movie, Harry Potter and The Order of Phoenix and student of CTYI welcomed the Minister to this extraordinary centre, which over the years has produced many young talented people, including teen novel writer Claire Hennessy. Evanna flew in from London, following a reading with JK Rowling for the launch of ‘Harry Potter and the Deathly Hallows’.

CTYI is a youth programme for students between the ages of six and sixteen years and of high academic ability. It runs every summer at DCU from June until the end of July. Plenty of young and enthusiastic students of all ages were on hand; some talked about global warming, while others demonstrated their medical skills, taking blood pressure and testing heart rates.

The centre offers courses covering a wide spectrum for gifted students, including ‘Science of Tomorrow’, ‘Me and My Body’, ‘Intro to Chess’ and ‘Zoology’. Global warming is a particular subject that is drawing interest from students this year. The courses also offer students the opportunity to carry out all kinds of research, promoting the needs of talented youth in Ireland.

**Leadership @ DCU**

Bill Cullen, Renault Ireland, Professor Brian MacCraith, DCU’s BDI and Henk van Engelen, ASML Foundation were awarded the 2007 Leadership Awards at the 2007 DCU Leadership Circle Dinner in June. Bill Cullen received the award in recognition of his leadership in supporting DCU’s Sports Academy, Professor MacCraith for his lifetime of achievement in research and Henk van Engelen for ASML’s long-standing support of the DCU Access Achievement Awards.
The evening’s Guest of Honour was DCU’s newly appointed Chancellor, David Byrne, S.C. who provided the group with an inspiring after dinner speech, highlighting some of the many scientific advances DCU research has made, particularly in the medical and healthcare sectors.

The DCU Leadership Circle is a celebration of the generosity of donors who make annual contributions in excess of €1,000 to Dublin City University. Members of the DCU Governing Authority, staff and the Student’s Union joined the guests on the evening. The evening concluded with the inauguration of the DCU Leadership Awards, presented by DCU President, Ferdinand von Prondzynski and Educational Trust Chairman, Brian Hayes.

DCU Wins Big at The Irish Times Living Dublin Awards

The overall winner of The Irish Times Living Dublin Awards 2007 was the Centre for Academic Achievement, based at Dublin City University, which offers academically gifted students from disadvantaged areas of north Dublin special after-school classes at the university. Dublin City University also took the award for involvement by a third-level organisation as well as the overall Living Dublin Award. The DCU team worked with children from Ballymun, Finglas and Cabra who are doing well in school but really benefit from additional support and learning.

Corporate Social Responsibility Seminar

A seminar in The Helix on the DCU campus called ‘Why Doing Good is Good for Business’ highlighted the area of Corporate Social Responsibility. The aim of the seminar was to create a partnership platform between DCU and the business community in the formation and implementation of CSR policies. Topics discussed included CSR in the context of its perceived role as a key element in the management by business of its reputation, CSR as good for business in the context of how we theorise business in contemporary risk society, and the mechanisms offered to the corporate community through involvement with the DCU Educational Trust and the University.

The speakers included Professor Ferdinand von Prondzynski, President of DCU, Padraig McKeon, Chief Executive of Drury Communications, Dr Pierre McDonagh, Director of the Centre for Consumption Studies in DCU and Patrick McDermott, Chief Executive of the DCU Educational Trust.

Official Languages Act, 2003 – Acht na dTeangacha Oifigiúla

In 2006, the University adopted a Scheme under the above Act. The Scheme commits the University to fulfilling a range of undertakings designed to lead to the equal provision of English-language and Irish-language information and services in specified areas. The fulfilment of these undertakings is monitored by
the Office of the Language Commissioner. It may be noted that the Scheme, while established on a statutory basis, operates independently of, and in parallel to, the statutory duties which apply to public bodies generally.

This Scheme runs to 2009 and will then, in line with normal practice in this matter, be replaced by a new Scheme.

DCU Educational Trust

Established in 1988 by a group of business people, the mission of the Dublin City University Educational Trust is to build philanthropic relationships to advance the vision of DCU. Over the last 25 years the Educational Trust has secured private support of over €125m from individuals, foundations and corporations.

Launch of Exclusive Benefit Card for Alumni

Today FM presenter Matt Cooper launched DCU’s new Alumni Benefit Card for its 29,000 strong Alumni Association. DCU is the first university to offer a benefit card to alumni, which offers 1,000s of discounts across a whole range of products and services. This card is exclusive to DCU Alumni and acknowledges graduates for contributing to DCU as a student and now as a graduate.

The DCU Alumni Association fundamentally exists to bring every graduate closer to the DCU community as well as to campus life through class reunions, seminars, networking events, affinity programmes, circulars, DCU Times and much more. By investing time and energy into the DCU Alumni Association, these activities open doors to new experiences and new friends. The DCU Alumni Benefit Card is welcomed at over 1,000 outlets all over Ireland and the UK. Once signed up with the card, alumni will receive an up-to-date directory and online newsletter about the shops, restaurants and services that offer DCU Alumni discounts.
MEMBERSHIP OF GOVERNING AUTHORITY

Chancellor: MR DAVID BYRNE
Former EU Commissioner and Attorney General

Chief Officer: PROFESSOR FERDINAND VON PRONDZYNISKI
President
Dublin City University

Senior Officers: PROFESSOR MARIA SLOWEY
Registrar
Dublin City University
MR MARTIN CONRY
Secretary
Dublin City University

Professors/ Assoc. Professors: PROFESSOR HEATHER RUSKIN
School of Computing, DCU
PROFESSOR PAUL WHELAN
School of Electronic Engineering, DCU

Other Academic Staff: MR WILLIAM KELLY
Lecturer
Dublin City University Business School
DR ANTHONY KILLARD
Principal Investigator, Coagulation Monitoring
Biomedical Diagnostics Institute
National Centre for Sensor Research
1 VACANT

Non-Academic Staff: MR PAUL SMITH
Director of Equality
Student Representatives: MR ALAN FLANAGAN  
President  
Students’ Union, DCU
MS HAZEL HAYES  
Deputy President for Education & Welfare  
Students’ Union, DCU

Postgraduate Student: MR JOE BRENNAN  
School of Communications

Employers, Trade Unions, etc.: MS MARGARET SWEENEY  
Chief Executive  
An Post Fortis
MS CAROL MOFFETT  
Company Director

Ministerial Nominees: AN IUASAL DÁITHÍ Ó BROIN  
Deputy Principal  
Ard Scoil Rís
MR AIDAN J KERINS  
European Commercial Director  
(Manufacturing & Life Sciences)  
Fluor Corporation
MRS LIL SHEEHY  
Nurse

Graduates: Mr SHANE BRODBIN  
eircom

Nominee of Local Authority: COUNCILLOR ANDREW MONTAGUE  
Dublin City Council

Nominee of DCU Educational Trust: MS ANN HORAN  
Business Consultant
Linkage Agreement with St Patrick’s College, Drumcondra:

DR PAURIC TRAVERS
President
St Patrick’s College, Drumcondra

MS JOANNE TOAL
President
Students’ Union
St Patrick’s College, Drumcondra

DR MARY SHINE THOMPSON
Department of English
St Patrick’s College, Drumcondra

Linkage Agreement with Mater Dei Institute of Education:

DR DERMOT LANE
President
Mater Dei Institute of Education
# Financial Reports

## Income Expenditure Account for Year Ended 30 September 2007

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<th>2007</th>
<th>2006</th>
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<tr>
<td><strong>INCOME</strong></td>
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<td>State Grants</td>
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<td>Student Fees</td>
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<td>Other Income</td>
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<td><strong>St Patrick's College, Drumcondra</strong></td>
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<td><strong>Mater Dei Institute of Education</strong></td>
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<td><strong>Research Grants and Projects</strong></td>
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<td>33,921</td>
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<td><strong>Total Income</strong></td>
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<th>2006</th>
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<tr>
<td><strong>EXPENDITURE</strong></td>
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<td>Academic Faculties and Departments</td>
<td>51,333</td>
<td>45,965</td>
</tr>
<tr>
<td>Academic and Other Services</td>
<td>6,445</td>
<td>6,258</td>
</tr>
<tr>
<td>Premises</td>
<td>7,027</td>
<td>6,737</td>
</tr>
<tr>
<td>Amount Allocated for Capital Purposes</td>
<td>2,198</td>
<td>1,570</td>
</tr>
<tr>
<td>Central Administration and Services</td>
<td>10,937</td>
<td>9,711</td>
</tr>
<tr>
<td>General Educational Expenditure</td>
<td>428</td>
<td>409</td>
</tr>
<tr>
<td>Student Services</td>
<td>3,290</td>
<td>3,625</td>
</tr>
<tr>
<td>Miscellaneous Expenditure</td>
<td>2,280</td>
<td>1,867</td>
</tr>
<tr>
<td><strong>Total Expenditure</strong></td>
<td>83,938</td>
<td>76,142</td>
</tr>
<tr>
<td><strong>St Patrick's College, Drumcondra</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22,583</td>
<td>12,680</td>
</tr>
<tr>
<td><strong>Mater Dei Institute of Education</strong></td>
<td>4,157</td>
<td>3,092</td>
</tr>
<tr>
<td><strong>Research Grants and Projects</strong></td>
<td>39,962</td>
<td>33,921</td>
</tr>
<tr>
<td><strong>Total Expenditure</strong></td>
<td>66,702</td>
<td>49,693</td>
</tr>
</tbody>
</table>

**Deficit on Activities before Amortisation of Capital Reserves and Grants and Depreciation of Fixed Assets**

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depreciation of Fixed Assets</td>
<td>(2)</td>
<td>(557)</td>
</tr>
<tr>
<td>Depreciation of Fixed Assets</td>
<td>(8,854)</td>
<td>(8,668)</td>
</tr>
<tr>
<td>General Reserve Movement</td>
<td>8,854</td>
<td>8,668</td>
</tr>
<tr>
<td><strong>Deficit for the Year</strong></td>
<td>(2)</td>
<td>(557)</td>
</tr>
</tbody>
</table>
## BALANCE SHEET AS AT 30 SEPTEMBER 2007

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Euro</td>
<td>Euro</td>
</tr>
<tr>
<td></td>
<td>'000</td>
<td>'000</td>
</tr>
<tr>
<td><strong>FIXED ASSETS</strong></td>
<td>222,115</td>
<td>224,430</td>
</tr>
<tr>
<td><strong>INVESTMENTS</strong></td>
<td>47,571</td>
<td>45,728</td>
</tr>
<tr>
<td><strong>CURRENT ASSETS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash on Hand and at Bank</td>
<td>4,633</td>
<td>753</td>
</tr>
<tr>
<td>Debtors and Prepayments</td>
<td>42,135</td>
<td>39,187</td>
</tr>
<tr>
<td>Stocks</td>
<td>268</td>
<td>278</td>
</tr>
<tr>
<td><strong>Less: CURRENT LIABILITIES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creditors and Accrued Expenditure</td>
<td>62,216</td>
<td>56,392</td>
</tr>
<tr>
<td>Bank Overdraft</td>
<td>3,075</td>
<td>11,605</td>
</tr>
<tr>
<td><strong>NET CURRENT LIABILITIES</strong></td>
<td>65,291</td>
<td>67,997</td>
</tr>
<tr>
<td><strong>LONG TERM LIABILITIES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creditors Due after One Year</td>
<td>3,593</td>
<td>3,745</td>
</tr>
<tr>
<td><strong>REPRESENTED BY:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Reserve</td>
<td>207,602</td>
<td>199,961</td>
</tr>
<tr>
<td>Restricted Reserve</td>
<td>40,940</td>
<td>39,375</td>
</tr>
<tr>
<td>Revenue Reserve</td>
<td>(704)</td>
<td>(702)</td>
</tr>
<tr>
<td></td>
<td>247,838</td>
<td>238,634</td>
</tr>
</tbody>
</table>