



ANNUAL REPORT 2012/13

Financial Report 2012

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SHOWING LEADERSHIP PRESIDENT'S REPORT ON BEHALF OF COUNCIL

INTRODUCTION

It was a great honour for me and a tribute to Dublin City Council that I was elected President of Engineers Ireland. The last City Engineer who served as President of this great institution was EJ Burke in 1957, at a period in Ireland's history that was different yet similar to where we find ourselves today. Back then the country was embarking on a period of massive change and we find ourselves now at a tipping point on many fronts. In 1957 the national goal was to create an open economy and achieve membership of the then EEC to gain access to European markets. This policy proved very successful over the years, but today we as engineers have to contend with increasingly complex global markets, and issues such as climate change and increasing populations, against the backdrop of a worldwide financial crisis. It is sad to see that the scourge of emigration is with us once again. As an island nation with a highly educated work force, which is naturally curious to learn, opportunities may only be possible in foreign destinations and emigration will perhaps always be the preferred choice for some of our citizens. For those who wish to return, we who remain at home can only work to ensure that will be possible in the not too distant future.

In my presidential address last September I reflected on the need for engineers to constantly evolve to meet the challenges of today and, more importantly, tomorrow. We are responsible for the infrastructure of the world and in turn, its citizens. This means that we are in a constant state of change, endeavouring to meet society's needs. Similarly, Engineers Ireland as an organisation has to be flexible to meet the changing requirements of its members, and to ensure its relevance to the engineering profession – both employers and engineers – and to Government. The 2012-15 strategy has allowed my period of stewardship to focus on continuing the good work that was set in train last year. Supported by my fellow officers, Director General John Power and his secretariat, and my colleagues on the Executive Board and Council, the organisation is, I believe, ready for the challenges of the future.

FINANCIAL STABILITY

Ensuring the future stability of Engineers Ireland is critical. In what are increasingly difficult financial times, I am pleased that the Finance Committee and Engineers Ireland staff have delivered excellent annual accounts and that a surplus has been achieved in the fiscal year 2012/2013. There are further challenges ahead, but with an agreed strategy in place and financial targets embedded in that plan, our direction is clear. However, income from areas such as sponsorship and Government funding are under pressure and this is likely to continue for the foreseeable future.

ENGINEERING IN SOCIETY

I referred earlier to the engineer constantly changing to adapt to his or her environment. One of the biggest changes for our local authority engineer members is the establishment of Ireland's newest semi-State utility company, Irish Water. There was a feeling of uncertainty for many of our members who currently work in water services given a vacuum in information post the announcement in July 2012. That lack of clarity has been alleviated by John Barry, Bord Gáis Acting Group Chief Executive and Programme Director at Irish Water. He has taken time out of his busy schedule to travel around Ireland briefing many of our regional branches and engineering division members on the likely changes and opportunities that lie ahead. It is just one reminder of the important role Engineers Ireland plays in working with Government and industry to ease the transition for our members in times of change.

ENSURING THE FUTURE OF THE PROFESSION

One of the highlights of my year was Engineers Week and being available to witness firsthand the range of activities that take place across the island – often organised solely by our army of volunteer engineers – which highlight the contribution of the profession to society. The outstanding work done by the STEPS schools outreach programme during the week is designed to educate teachers, parents and students about the spectrum of career choices available to young people.

Naturally I was unable to attend all 157 events that took place but those I did have the good fortune to participate in were most engaging. I had the pleasure of completing the 'Engineers in the City' walking trail around the quays in Dublin, ably led by a volunteer engineer and a group of primary school students. I also participated in a debate organised as part of 'The State of Ireland' report launch with Minister for Communications, Energy and Natural Resources Pat Rabbitte TD and Dana Strong, chief executive of UPC. The involvement of Newstalk in the launch helped to raise the profile of Engineers Ireland and the expertise of our members to a national consciousness.

In September Council adopted the recommendations of the Accreditation Board, the Board of Examiners and the Membership and Qualifications Board on ensuring that any engineer who wishes to do so has a clearly defined route to achieving his or her Chartered Engineer title after the changes in the regulations on January 1, 2013, to a Level 9 requirement. The adoption of this proposal ensures the future role of Engineers Ireland in independently verifying competent engineers for the benefit of society

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as a whole. It also serves to further underline the organisation's commitment to ensure that competent engineers are available to safeguard Ireland's citizens in terms of public health, safety and society's needs in the future.

REINFORCING OUR RELEVANCE

Our networking and outreach efforts to members around the island and overseas through our sector groups is the lifeblood of the organisation. This network of volunteer members who give freely of their own time to organise technical lectures, social events and site visits are the only means by which Engineers Ireland can engage with its members and ensure that the organisation continues to be relevant to individual members.

In 2012, led by our Past President Martin Lowery, a comprehensive analysis was completed of our current sector group structure and activities. A task force was formed to make recommendations to Council. As these were considered to be of the utmost importance to the wider sector community, the suggestions have now gone to each committee for further consideration and comment. Though the work has not been completed in my tenure, the structures that form the very backbone of the organisation have to be fully supportive of the direction agreed in our 2012-15 strategy. I am confident that the committees in their wisdom as guardians of Engineers Ireland will have the vision to do what's right to future proof the organisation.

GUARANTEEING THE QUALITY OF IRELAND'S ENGINEERS

At the last Council meeting of my Presidency the decision was unanimously taken that, for members with professional titles, CPD will be mandatory from 2017. This further underlines Engineers Ireland's commitment to ensuring that engineers operating in the technical space are independently verified for their competence, including their commitment to keeping up to date with developments in their particular fields of expertise.

It supports the hard work of our Registrar in accrediting and re-accrediting engineering programmes in third-level educational institutes across the country, and providing industry with the quality of graduates they require.

EMBRACING THE FUTURE

Our Executive Board showed leadership in July last when presented with a clear picture of how media consumption habits are changing among the Irish population with the adoption of tablet and smartphone technology. On the back of this presentation, they recommended the development of a prototype digital version of The Engineers Journal. The popular print magazine had been in production since the 1940s. However, faced with diminishing advertising sales to fund the high standard of production, the pagination had been slowly reduced over the years.

A survey among the membership on the prototype made it clear that they were ready to move to a new digital future and in November Council approved the decision to cease publishing the print version of The

Engineers Journal, the last copy of which is the November/December 2012 edition. The new digital engineersjournal.ie launched in March and visitor numbers and page views to date would indicate that this was the right decision. This is another first for Engineers Ireland and our sister membership organisations around the world are again watching us closely, similarly to when we produced the first ever TV ad promoting the profession and the increasing importance of the Chartered Engineer in society.

END OF YEAR REFLECTION

I have enjoyed my time as President and am pleased to reflect on some of the enormous achievements and brave decisions that were taken during the year by the Executive Board and Council under my stewardship, supported by the Director General, John Power, and the other officers of Engineers Ireland: Past President PJ Rudden and the Vice Presidents John O'Dea and Regina Moran.

Much of the valuable work carried out by Engineers Ireland is without doubt down to the excellent staff in 22 Clyde Road and I would like to thank them for their support during my tenure. Their efforts are backed up by a wonderful group of volunteer engineers who give their time freely to sit on Executive Board, Council and the many other committees that make up the network of regional branches, engineering divisions and societies, not to mention the various boards. All of them contribute hugely to the delivery of the organisation's strategic plan for 2012-15.

I would like to wish our incoming President John O'Dea all the very best for the year ahead. I hope he enjoys his time and I know he will have excellent support from Vice President Regina Moran and the incoming Vice President Bill Grimson. Together with the excellent team at Clyde Road, and our volunteer engineers around Ireland, Engineers Ireland has a great future.



Michael Phillips

Chartered Engineer
President

DIRECTOR GENERAL'S ANNUAL REVIEW

INTRODUCTION

In my introduction last year I discussed the role of the engineer in Ireland's economic recovery and the diverse job opportunities available to engineers at present that were not available some 10/15 years ago. The recovery is beginning; engineering is leading the way and I believe it is now more important than ever to focus on standards and quality in all areas of our engineering profession. We must learn from the mistakes of the past and lead the way to ensure that we protect Ireland's future by ensuring that our engineers are the best and that Ireland becomes a world centre of excellence in engineering. Our challenge will be to have this recognised so that we can position this country to attract more engineering opportunities.

Engineering disciplines are central to many of Ireland's active manufacturing and export sectors, a reflection of the varied careers that are on offer to those studying engineering. All engineering disciplines contribute to society and the economy, and Engineers Ireland is committed to improving the quality, standards and competence of all who contribute to our engineering profession.

The value of an engineer can no longer be judged solely on their formal educational background, but increasingly on how up to date their skills set is, and we as a membership institution must encourage, guide and lead our members to raise the bar with respect to their expertise. We are looking at this from all levels of the career cycle of engineers – from engaging with primary school students through our STEPS programmes, providing free maths tutorials for secondary school students, and accrediting third-level engineering courses, right through to the required five days per year of continuing professional development (CPD) training for Chartered Engineers and our CPD Accredited Employer scheme. We must not shy away from encouraging the highest technical standards of our members, as this is crucial in an environment where technological developments are becoming obsolete quicker than ever. As an organisation, we must impress upon our members and engineering employers the need for regular training as offered by Engineers Ireland and other recognised training providers.

Engineers are now an integral part of all successful organisations because of their rational thinking processes and problem-solving abilities. Engineers are more adaptable than most other professionals, and with up skilling and retraining, the engineer has the capacity to adjust much faster than others in our ever-changing working environments.

With over 23,000 members, we have access to the knowledge and talent

that spans all engineering disciplines, and while we wait for our Government to introduce formal legislation for the regulation of the engineering profession in Ireland, we are happy to advise of the growing recognition of the importance of our Chartered Engineer title, which is now being written into individual regulations and is being sought for promotions in an increasing number of companies across all engineering disciplines. Growth is critical for our organisation and in this respect 2012 was an important year for Engineers Ireland, as we introduced a number of initiatives to further secure our future.

MEMBERSHIP

Following on from the introduction of the new routes to membership, a full review of the regulations for the professional title of Chartered Engineer was completed by the membership team. This review is timely on two counts. Firstly, with the opening of membership to a larger spectrum of engineering and science professionals there was a need to clarify the routes for those who wish to pursue the title. Secondly, it was also necessary to reflect in the regulations the change in educational standard required of Chartered Engineers to master's degree level, or equivalent, for those who graduate from 2013 onwards. The main difference between an accredited bachelor (honours) degree and master's degree in engineering is the deepened ability of the engineer to research and experiment at the forefront of a chosen field of expertise, using engineering principles developed in earlier education years. This ability is no longer a 'nice to have' but must be recognised as a 'must have' for the professional engineer in these technologically driven times.

This review involved members of the Board of Examiners, the Membership and Qualifications Board and the Accreditation Board, and was approved by Council in September 2012. The new regulations, which will be launched in September 2013, will provide clarity to all on how to pursue the appropriate registered professional title.

As part of our commitment to quality and standards in the award of the professional titles, we launched a programme of briefing sessions for our interviewees in late 2011 and through the spring of 2012 throughout the country and in the GB region. Over 800 Chartered Engineers were briefed on the peer review process. I must extend my congratulations to all for their proactive participation in ensuring the upkeep of standards in our profession, and thank them for their help in delivering our statutory obligations in awarding the registered professional titles.

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During this period we also introduced Professional Report Clinics nationwide. These clinics bring the knowledge and experience of the briefed interviewer group to locations around the country where we don't currently host interviews. The clinics give access to applicants to gain advice and guidance on their preparation from mentors in their own locality.

An addition to our member offerings was the introduction of access to the established technical and business database EBSCO. Housed in the members' area of the website, engineers have free and ready access to the most up-to-date publications, journals and research in both the engineering and business worlds.

Ever conscious of the need to provide support to our student members entering the professional world after college, we delivered a number of career advice sessions in colleges across the country. This involved access to recent graduates and their career story, access to HR advice, including CV preparation skills, and an introduction to the professional engineering competence framework. It is vital that engineering graduates entering the workplace realise that their learning and training does not stop once they leave third-level education; if anything, it is only the beginning of their quest to have the latest skills and knowledge to compete in today's working environment.

STEPS

Our outreach programme, STEPS, engaged with a growing number of students, parents, teachers and the public in the face of decreasing funding. The strategic partnership between ourselves and Discover Science and Engineering continued in 2012 with a refocus of the programme towards inducting volunteers on how to present effectively to a student audience. Almost 6,000 volunteer hours were donated to assist us in delivering the crucial message of how challenging and exciting a career in engineering is to our young people. The induction sessions were generally held in house in companies around the country, and delivered essential communication skills CPD, in particular to graduate engineers. Engineers Week saw a record number of organisations participating across the country, reaching an audience of over 30,000 people.

Our free maths tutorials initiative has developed with the introduction of two new locations – Cork and Galway – as demand from parents and students has grown. In total we have 24 Chartered Engineers between Cork, Dublin and Galway volunteering their time on a Saturday morning to provide support to Leaving Cert students studying higher-level maths. Our online tutorials cater for students outside these locations and during the academic year 2011/2012 over 9,000 views of our maths lessons were recorded. Once again as an organisation we are leading the way in supporting the drive to improve the standards of maths in the country.

CPD

Given the accelerating pace of change in technology, software, materials, codes and international legislation, lifelong learning is a key responsibility for every professional engineer. Central to our current strategy is a

commitment to support excellence in CPD to ensure that our members' competence is current and of the highest standards. Our CPD team has had a strong performance in 2012. Having reviewed and reassessed all CPD offerings over the past three years, I am happy to report that attendance levels and income levels for the organisation are now back at pre-2008 levels. Over 2,300 delegates attended a CPD training course or CPD seminar. Apart from offering CPD programmes in Clyde Road, we also provide bespoke programmes in company campuses to reduce time away from the office.

Ever conscious of the changing nature of engineers' personal time and commitments, we also provide online training so that engineers can learn at their leisure from our website. We currently offer 21 e-learning programmes covering topics across a wide technical spectrum.

Our Future Professionals programme continues to grow apace, and the strength and value of the programme for young engineering graduates resulted in securing full accreditation from DIT. This important recognition offers participants either a Certificate in Professional Engineering, at Level 9 on the National Framework of Qualifications, or on our 18-month programme the award is a Diploma in Professional Engineering, which carries with it a total of 30 ECTS credits, equivalent to one-third of a Masters qualification. The commitment to CPD is also recognised by our CPD accredited employers with over 46 major re-accreditation visits undertaken by our CPD team to ensure that organisations taking part in the employer scheme maintain world-class learning and development systems for their engineers and technical staff. Five new companies also joined the official register of accredited employers, further strengthening the important role companies have in supporting and investing in their engineers to protect and develop their individual and company's future.

MARKETING AND COMMUNICATIONS

Once again our promotion of the profession both to our membership and beyond continued in 2012 through our extensive events calendar. Along with the Annual Conference, which took place in Belfast, we also celebrated the third year of our Excellence Awards. The Irish public also played their part by voting the wonderful work undertaken in the Cill Rónáin Harbour development on Inis Mór, Co. Galway, as Engineering Project of the Year.

A very significant milestone and courageous decision taken by your Council saw our much-lauded publication, the Engineers Journal, first published in the 1940s, become an eJournal. Over 60% of our membership voted to embrace the new technological developments that have revolutionised the publication world by moving to an online publication. EngineersJournal.ie will provide members with the latest engineering news in their area of expertise, with almost daily updates as we continue to provide endorsement that Engineers Ireland is the trusted voice for engineering in Ireland.

Our advocacy work and engagement with Government departments and agencies further strengthened this year with the production of our third annual 'The State of Ireland' report, which assessed infrastructure in

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Ireland, including communications, energy, transport, waste and water. A number of specific submissions were also made to the relevant bodies and Government departments on matters as varied as the proposed Building Control (Amendment) Regulations 2013 Code of Practice, the qualifications for senior fire officers, and the draft amendments to the EU Medical Devices Directive, which is currently going through revision in Europe.

EMPLOYMENT SERVICES

Our new Employment Services offering continues to establish itself by providing career support for our members. During the year we established graduate programmes for 50 engineers on placement with external organisations. The Jobs Desk page on our website continues to grow in popularity and is one of the most visited on EngineersIreland.ie, with approximately 120,000 visitors in 2012. With the advent of our official social media channels, coupled with our Jobs Desk newsletter, members are immediately informed of the latest recruitment drives by engineering firms based in Ireland or abroad.

To further assist members in acquiring employment we have launched our new Career Consultancy service in Dublin and Galway, and we will continue to look for opportunities to offer these services in other locations around the island.

While we have developed new support and offerings for our members in the recruitment process, it would be remiss of me not to mention the focus on our own staff in Engineers Ireland. It is important that we as an organisation ensure that staff in Clyde Road are also exposed to the relevant CPD opportunities to increase their skills and this was validated by successfully retaining our Excellence Through People Standard accreditation following an audit of our human resources policies and practices by the National Standards Authority of Ireland.

ENGINEERS IRELAND ABROAD

Internationally we continue to represent our members' interests through agreements and accords with sister bodies overseas. Engineers Ireland was present at the annual meeting of the International Engineering Alliance in Sydney, which also gave us an opportunity to meet with Irish engineers based in the region. A meeting that was attended by 20 engineers and the Irish Consul General provided very informative and valuable insights into where we can be of most benefit to our overseas members.

In June, Engineers Ireland was licensed to award the EUR-ACE accreditation label for master's degrees following a visit by the European Network of Accreditation of Engineering Education. We were also active in the review of the European Directive on Recognition of Professional Qualifications, which will conclude during Ireland's EU Presidency. In our work with FEANI, Engineers Ireland, along with seven other organisations, signed an agreement to introduce the FEANI professional card from 2013. This will increase mobility for our members and is a forerunner to an EU-wide professional card.

FINANCE

In financial terms 2012 was a very positive year for Engineers Ireland and reflects the ongoing hard work by everyone in Clyde Road and by our Finance Committee. For the first time in recent years, the financial statements for the year end saw a 5% increase in income, with growth in the areas of professional subscriptions, employment services and consultancy. Our investment strategy focused on our IT infrastructure and the continued development of our website, which now provides a greater range of services and information for members. We will continue to try to identify new income streams, manage our expenditure and evolve current systems and processes to secure the financial integrity of the organisation.

CONCLUSION

In conclusion, I must highlight that in addition to a great and committed team in Clyde Road, we are heavily dependent on those wonderful people, all volunteers, who serve on our Council, Executive, boards, committees and sector committees for their continuing help, guidance, support and patience – to each and every one of you, I offer sincere thanks on behalf of Engineers Ireland and the engineering profession.

Finally, I would like to pay particular tribute to the officers of Engineers Ireland. Michael Phillips, our President, represented himself, his profession and Engineers Ireland at all times with distinction during his year in office – he was a joy to work with and I thank him most sincerely for his time, wise counsel and availability to Engineers Ireland. My thanks also to John O'Dea and Regina Moran, our Vice Presidents, for their interest, advice and commitment – we all look forward to working more closely with both of them next year. Finally, I thank our past President, PJ Rudden, for his continuing involvement and support.

The interest, commitment and generosity of all our volunteer members is what sets Engineers Ireland apart – thank you all.



John Power,
Chartered Engineer
Director General

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PRESIDENT ELECT **JOHN O'DEA** BE MED MSC PHD FIEI CHARTERED ENGINEER

With 22 years' experience in the medical device industry, John has overseen the successful launch of eight electronic medical device products in the past 14 years. He co-founded Caradyne, an Irish respiratory medical device company, in 1998, which was selling products

in 30 countries prior to its acquisition by Respiration Inc. in 2004. He holds Bachelor and Masters Degrees in Mechanical Engineering and a PhD in Electronic Engineering, all from University College Dublin, and an MSc in Clinical Research from NUI Galway. Prior to founding Crospon, he served as General Manager of Respiration Ireland. In the past 20 years he has held research and development management positions in Nellcor Puritan Bennett, and engineering positions in Digital Equipment Inc. and Dataproducts Inc. He is a named author on six issued US patent families. He is currently Adjunct Professor at the School of Engineering and Informatics at NUI Galway, where he is Chairman of the External Advisory Board for the Irish Regenerative Medicine Institute (REMEDI). He is Chairman of the Irish Medical Devices Association.



VICE PRESIDENT **REGINA MORAN** CERT DIP MBA FIEI CHARTERED ENGINEER

Regina is currently CEO of Fujitsu (Ireland) Ltd, where she leads a 350-strong team focused on delivering information and communications technology (ICT) services that add business value to the Irish marketplace.

Regina is the current Chair of ICT Ireland within IBEC, and is also a member of the board. She is a member of the Dublin City University governing authority, a Fellow of Engineers Ireland (FIEI) and a Director of EirGrid. Regina holds an MBA from Dublin City University, which she achieved with first class honours, coming first in her group. She was also awarded the Sir Charles Harvey Award for outstanding contribution in her postgraduate studies.

OUR ELECTED REPRESENTATIVES

Executive Board for the 2012-2013 Session

Officers

President

Michael Phillips, Chartered Engineer

Vice Presidents

John O'Dea, Chartered Engineer
Regina Moran, Chartered Engineer

Immediate Past President

PJ Rudden, Chartered Engineer

Finance Committee Chairman

Murt Coleman, Chartered Engineer

Members

Justine Butler, Chartered Engineer
Tom Cleary, Chartered Engineer
Mark Coyne, Chartered Engineer
Kieran Feighan, Chartered Engineer
Bill Grimson, Chartered Engineer
Conor Mooney, Chartered Engineer
Stephen McIntyre, MIEI
Padraic O'Donoghue, Chartered Engineer
Peter Quinn, Chartered Engineer
Marguerite Sayers, MIEI

Council for the 2012-2013 Session

Officers

President

Michael Phillips, Chartered Engineer

Vice Presidents

John O'Dea, Chartered Engineer
Regina Moran, Chartered Engineer

Immediate Past President

PJ Rudden, Chartered Engineer

Finance Committee Chairman

Murt Coleman, Chartered Engineer

Membership & Qualifications

Board Chairman

David Kennedy, Chartered Engineer

Board of Examiners Chairman

Richard Crowe, Chartered Engineer

Elected Corporate Members

John Bailey, Chartered Engineer
Domhnall Blair, Chartered Engineer
Cormac Bradley, Chartered Engineer
Justine Butler, Chartered Engineer
Brian Cassidy, Chartered Engineer
Kieran Feighan, Chartered Engineer
Seán Lenihan, Chartered Engineer

Orla Lonergan, Chartered Engineer
Seamus Lynch, Chartered Engineer
Paul MacDonald, MIEI
Stephen McIntyre, MIEI
Brendan Mulligan, Chartered Engineer
Marguerite Sayers, MIEI
Christian Scholz, Chartered Engineer
Pieter Smit, Chartered Engineer

Co-opted Members

David Reddington, MIEI
Muredach Tuffy, MIEI

Regional Representatives (Ex-Officio)

Peter Quinn – Northern Region
Pat Roche – South East Region
Rodney McDermott – Donegal Region
Katherine Cashell – GB Region
Michael Sheehy – An Ríocht
Damien Grennan – Midland Region
Conor Mooney – Cork Region
Vicki Chadwick – North East Region
Morgan McGrath – West Region
George Chadda – North West Region
Kieran Horgan – Thomond Region

Divisional Representatives (Ex-Officio)

John McCarthy – Civil Division
Mark Coyne – Energy-Environment Division
Fergus Keane – Electrical & Electronic Division
Pat Hunt – Local Government Division
John Shaw – Computing Division
Eoin Flanagan – Structures & Construction Division
Hugh Hodgkinson – Chemical & Process Engineering Division
Declan Gibbons – Biomedical Engineering Division
William Curran – Agriculture & Food Engineering Division
Dan Fitzgerald – Fire & Safety Division
Declan Lyons – Mechanical & Manufacturing Division

FINANCIAL STATEMENTS

FOR THE YEAR ENDED 31ST DECEMBER 2012

STATEMENT OF COUNCIL'S RESPONSIBILITIES

The following statement, which should be read in conjunction with the Report of the Independent Auditors set out on pages 10, is made with a view to distinguishing for members the respective responsibilities of the Council and of the auditors in relation to the financial statements. The Council is responsible for preparing the Annual Report and the financial statements in accordance with applicable law and Generally Accepted Accounting Practice in Ireland including the accounting standards issued by the Accounting Standards Board and promulgated by Chartered Accountants Ireland. The Council is required to prepare financial statements for each financial year, which give a true and fair view of the state of affairs of The Institution of Engineers of Ireland and of the surplus or deficit of The Institution of Engineers of Ireland for that period. In preparing those financial statements, the Council is required to:

- select suitable accounting policies and then apply them consistently;
- make judgements and estimates that are reasonable and prudent; and,
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that The Institution of Engineers of Ireland will continue in being.

The Council confirms that it has complied with the above requirements in preparing the financial statements.

The Council is also required to state whether applicable accounting standards have been followed, subject to any material departures being disclosed and explained in the financial statements.

The Council is responsible for keeping proper accounting records, which disclose with reasonable accuracy at any time the financial position of The Institution of Engineers of Ireland.

The Council is also responsible for safeguarding the assets of The Institution of Engineers of Ireland and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

The Council is responsible for the maintenance and integrity of the corporate and financial information included on the entity's website.

Legislation in the Republic of Ireland governing the preparation and dissemination of financial statements may differ from legislation in other jurisdictions.

Approved on behalf of Council:



Michael Phillips
President



John Power
Director General

April 27, 2013

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FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF THE INSTITUTION OF ENGINEERS OF IRELAND

We have audited the financial statements of The Institution of Engineers of Ireland for the year ended 31st December 2012, which comprise the primary financial statements such as the Income and Expenditure Account, Statement of Total Recognised Gains and Losses, the Balance Sheet, the Cash Flow Statement and the related notes. These financial statements on pages 11 to 21 have been prepared under the historical cost convention and the accounting policies set out on page 15.

RESPECTIVE RESPONSIBILITIES OF MEMBERS AND AUDITORS

As described in the Statement of Council's Responsibilities the Council is responsible for the preparation of the financial statements in accordance with applicable law and Generally Accepted Accounting Practice in Ireland including the accounting standards issued by the Accounting Standards Board and published by Chartered Accountants Ireland.

Our responsibility is to audit the financial statements in accordance with relevant legal and regulatory requirements and International Standards on Auditing (UK and Ireland). Our audit work has been undertaken so that we might state to the Institution's members those matters we are required to state to them in an auditors' report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the Institution and the Institution's members as a body, for our audit work, for this report, or for the opinions we have formed.

We report to you our opinion as to whether the financial statements give a true and fair view and are properly prepared in accordance with Generally Accepted Accounting Practice in Ireland. We also report to you whether in our opinion proper books of account have been kept by the Institution and whether the information given in the Council's Report is consistent with the financial statements. In addition, we state whether we have obtained all the information and explanations necessary for the purposes of our audit and whether the Institution's Balance Sheet and its Income and Expenditure Account are in agreement with the books of account. We read the other information contained in the Council's Report and consider whether it is consistent with the audited financial statements. This other information comprises only the Director General's Report. We consider the implications for our report if we become aware of any apparent misstatements or material inconsistencies with the financial statements. Our responsibilities do not extend to any other information.

BASIS OF OPINION.

We conducted our audit in accordance with International Standards on Auditing (UK and Ireland) issued by the Auditing Practices Board. An audit includes examination, on a test basis, of evidence relevant to the amounts and disclosures in the financial statements. It also includes an assessment of the significant estimates and judgements made by the officers in the preparation of the financial statements, and of whether the accounting policies are appropriate to the Institution's circumstances, consistently applied and adequately disclosed. We planned and performed our audit so as to obtain all the information and explanations which we considered necessary in order to provide us with sufficient evidence to give reasonable assurance that the financial statements are free from material misstatement, whether caused by fraud or other irregularity or error. In forming our opinion we also evaluated the overall adequacy of the presentation of information in the financial statements.

Opinion

In our opinion the financial statements give a true and fair view of the state of the Institution's affairs as at the 31st December 2012 and of its results and cashflows for the year then ended. We have obtained all the information and explanations we consider necessary for the purposes of our audit. In our opinion proper books of account have been kept by the Institution. The financial statements are in agreement with the books of account.

O'Brien Harnett & Associates

Chartered Accountants
Registered Auditors
97 Haddington Road,
Dublin 4

13 May, 2013

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FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

Income and Expenditure Account for the Year Ended 31st December 2012

	Notes	2012 €	2011 €
Income			
Professional Subscriptions		3,093,816	3,020,980
Corporate Affiliates		67,929	76,045
CPD Training		405,929	390,212
CPD Accreditation		160,701	139,796
STEPS to Engineering		380,802	377,380
Ancillary Services		37,015	45,477
Accreditation of Academic Courses		75,187	44,649
Investment Income		22,982	12,153
Events and Marketing		50,333	60,077
Employment Services and Consultancy		273,994	202,254
		<u>4,568,688</u>	<u>4,369,023</u>
Expenditure			
Personnel	2	2,196,613	2,026,690
Administration		529,616	590,470
Occupancy		264,667	220,165
STEPS to Engineering		380,802	377,380
Special Projects		26,918	6,409
Marketing, PR and Events		314,772	479,755
Engineers Journal		166,317	111,104
Sectors and Affiliations		130,231	118,453
Depreciation		269,295	337,465
		<u>4,279,231</u>	<u>4,267,891</u>
Operating Surplus for the Year	3	<u>289,457</u>	<u>101,132</u>
Pension Costs			
Current Service Cost		(28,000)	(60,000)
Other Finance Costs		<u>(19,000)</u>	<u>(10,000)</u>
		<u>(47,000)</u>	<u>(70,000)</u>
Surplus to Reserves		<u>242,457</u>	<u>31,132</u>

The financial statements were approved by Council and signed on its behalf by

Michael Phillips

President

April 27, 2013

John Power

Director General

CHAPTER TWO

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

Statement of Total Recognised Gains and Losses for the Year Ended 31st December 2012

	Notes	2012 €	2011 €
Surplus for the Year		242,457	31,132
Actuarial (Loss)/Gain on Pension Scheme	4	(428,000)	477,000
Impairment in the value of fixed assets		-	(1,312,875)
Total Recognised (Losses)		<u>(185,543)</u>	<u>(804,743)</u>

The financial statements were approved by Council and signed on its behalf by

Michael Phillips
President
April 27, 2013

John Power
Director General

CHAPTER TWO

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

Balance Sheet as at 31st December 2012

	Notes	2012 €	2011 €
Fixed Assets			
Tangible Fixed Assets	5	5,051,997	5,027,937
Shares in Irish Engineering Publications Limited		10	10
		<u>5,052,007</u>	<u>5,027,947</u>
Current Assets			
Debtors & Prepayments	6	449,330	467,988
Cash and Bank Balances		<u>1,320,577</u>	<u>1,165,987</u>
		1,769,907	1,633,975
Creditors – Amounts falling due within one year	8	<u>(1,592,806)</u>	<u>(1,731,512)</u>
Net Current Assets/(Liabilities)		177,101	(97,537)
Creditors – Amounts falling due after more than one year	9	(195,303)	(185,062)
Pension Liability	4	(485,000)	(11,000)
Net Assets		<u><u>4,548,805</u></u>	<u><u>4,734,348</u></u>
Represented by:			
Accumulated Fund	10	4,359,482	4,545,025
Revaluation Reserve	11	189,323	189,323
		<u><u>4,548,805</u></u>	<u><u>4,734,348</u></u>

The financial statements were approved by Council and signed on its behalf by

Michael Phillips
President
April 27, 2013

John Power
Director General

CHAPTER TWO

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

Cashflow Statement for the Year Ended 31st December 2012

	Notes	2012 €	2011 €
Net Cash Inflow from Operating Activities	7	443,134	692,834
Return on Investments and Short Term Investments			
Interest on deposits and short term investments		22,982	12,153
Investing Activities			
Payments to acquire tangible Fixed Assets		(293,355)	(69,322)
Receipts from sale of tangible Fixed Assets		-	11,750
Increase in Cash and Cash Equivalents		<u>172,761</u>	<u>647,415</u>

The financial statements were approved by Council and signed on its behalf by

Michael Phillips

President

April 27, 2013

John Power

Director General

CHAPTER TWO

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

Notes to the Financial Statements for the year ended 31st December 2012

1. Accounting policies

1.1. Accounting convention

The financial statements are prepared under the historic cost convention as modified by the inclusion of land and buildings at a valuation. These financial statements reflect the activities of The Institution of Engineers of Ireland and do not include the financial affairs of regional committees.

1.2. Income

Course and seminar income is shown net of direct expenses.

1.3. Fixed assets

The carrying values of Land & Buildings and Office & Lecture Facilities are reviewed annually for impairment if events or changes in circumstances indicate the carrying value may not be recoverable. The Institution has not adopted a revaluation policy in respect of other fixed assets. Other Fixed Assets are stated at cost less depreciation. Depreciation has been provided to write off the Assets over their expected useful lives as follows:

- depreciation is provided on buildings at a blended rate of 4.3%;
- depreciation is provided on computer equipment and on IT development projects at 33.3%;
- depreciation is provided on fixtures, fittings and office equipment at a rate of 20%; and,
- Depreciation is provided on motor vehicles at a rate of 25%.

1.4. Fixed assets held under finance leases

Leases on Fixed Assets which give The Institution of Engineers of Ireland substantially all the risks and rewards of ownership are capitalised at the cost of the Fixed Assets at the inception of the lease and are subsequently depreciated. The liability created is shown in obligations under finance leases.

1.5. Taxation

The Institution of Engineers of Ireland is liable to Corporation Tax on its investment income and in respect of transactions with non-members. Provision is made for such liability in any year where it arises.

1.6. Pension scheme

The Institution of Engineers of Ireland operates both a defined benefit and a defined contribution pension fund. Contributions are made to the fund in accordance with the recommendations of independent actuaries. The last review, for the purposes of complying with the Pensions Act, 1990, was carried out on 31st December 2012. In preparing the financial statements, the Institution is compliant with the requirements of FRS 17 Retirement Benefits.

2. Employees and remuneration

Number of employees

The average number of employees during the year was made up as follows:

	2012	2011
Administration	<u>40</u>	<u>40</u>

The staff costs are comprised of :	2012 €	2011 €
Wages and Salaries	2,044,709	1,983,965
Pension Scheme Contributions	151,904	42,725
	<u>2,196,613</u>	<u>2,026,690</u>

CHAPTER TWO

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

3. Operating surplus

The operating surplus has been arrived at after charging/(crediting):	2012 €	2011 €
Auditors' Remuneration	23,351	24,033
Finance Charges	66,199	53,692
Interest Receivable	(22,982)	(12,153)

Audit fees discharged by the Institution of Engineers of Ireland include fees paid in respect of the audit of related entities, The Union of the Institution of Engineers of Ireland, Irish Engineering

Publications Limited, The Institution of Engineers of Ireland Club – Lounge, and Benevolent Fund of the Institution of Engineers of Ireland.

4. Pension scheme

The Institution operates a funded defined benefit pension scheme and a defined contribution pension arrangement. Contributions are charged to the income and expenditure account so as to spread the cost of pensions over employees' expected working lives with the Institution. The contributions are determined by a qualified actuary on the basis of triennial valuations using the projected unit method.

The Scheme was established on the 1st January 1977 to provide retirement, death in service and disability benefits for employees. Eligibility is at the discretion of the employer.

From inception until 1st January 1990, the Scheme was funded on an annual premium basis with retirement benefit contributions being invested in an Irish Life insured contract with bonus participation.

With effect from that date the Scheme has used the control funded approach to deriving the contribution rate for retirement benefits with contributions invested in a unit-linked contract. The assets that had been secured under the insured contract remain in the scheme in a paid up form.

Employee benefit obligations

The amounts recognised in the balance sheet are as follows:	2012 (€'000)	2011 (€'000)
Fair Value of Scheme assets	4,321	3,817
Benefit Obligations	(4,806)	(3,828)
Net (liability) recognised on balance sheet	(485)	(11)

The amounts recognised in the income and expenditure account are as follows:	2012 (€'000)	2011 (€'000)
Current Service Cost	28	60
Interest cost	101	126
Expected Return on Scheme assets	(82)	(116)
Total	47	70
Actual return on plan assets	253	(14)

CHAPTER TWO

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

Changes in the present value of the defined benefit obligation are as follows:	2012 (€'000)	2011 (€'000)
Opening defined benefit obligation	3,828	4,292
Current service cost	28	60
Interest cost	101	126
Contributions by Scheme Participants	21	23
Actuarial Losses/(Gains) on Scheme Liabilities	881	(66)
Past service credit	-	(543)
Net Benefits paid out	(53)	(64)
Closing defined benefit obligation	4,806	3,828

Changes in the fair value of plan assets are as follows:	2012 (€'000)	2011 (€'000)
Opening fair value of Scheme assets	3,817	3,810
Expected Return on Scheme assets	82	116
Actuarial gains/(losses) on scheme assets	453	(132)
Contributions by the employer	1	64
Contributions by Scheme Participants	21	23
Net Benefits Paid out	(53)	(64)
Closing Fair value of assets	4,321	3,817

Analysis of amounts recognised in the Statement of Total Recognised Gains & Losses:	2012 (€'000)	2011 (€'000)
Total actuarial (losses)/gains	(428)	477

The major categories of plan assets as a percentage of total plan assets are as follows:-	2012	2011
Equities	43%	42%
Bonds	50%	49%
Property	2%	3%
Cash	5%	6%
Principal actuarial assumptions at the balance sheet date:	2012	2011
	% p.a.	% p.a.
Inflation	2.00%	2.00%
Rate of general long-term increase in salaries	3.50%	3.75%
Rate of increase in Pensions in Scheme (fixed)	3.00%	3.00%
Expected return on Fund assets at start of the year	4.24%	5.77%
Discount Rate for scheme liabilities	3.75%	5.00%

The mortality assumptions are based on standard mortality tables, which allow for future mortality improvements. The assumptions are that a

member currently aged 65 will live on average for a further 24.1 years if they are male and for a further 27.8 years if they are female.

CHAPTER TWO

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

Amount of the fair values of plan assets	Value at 31st Dec '12 (€'000)	Value at 31st Dec '11 (€'000)	Value at 31st Dec '10 (€'000)
Equities	956	826	1,417
Bonds	1,102	976	266
Property	34	61	101
Cash	119	125	195
Value of annuity contracts matching pension in payment liabilities	2,110	1,829	1,831
	<u>4,321</u>	<u>3,817</u>	<u>3,810</u>
Expected Return			
Equities	5.7%		
Bonds	2.7%		
Property	4.7%		
Cash	0.1%		

History of experience Gains and losses: Amounts for the current and previous three periods are as follows:	Year Ended 31st Dec '12 (€'000)	Year Ended 31st Dec '11 (€'000)	Year Ended 31st Dec '10 (€'000)	Year Ended 31st Dec '09 (€'000)
Fair value of assets	4,321	3,817	3,810	3,550
Present value of liabilities	(4,806)	(3,828)	(4,292)	(4,450)
(Deficit) in plan	<u>(485)</u>	<u>(11)</u>	<u>(482)</u>	<u>(900)</u>
Experience (losses)/gains on Scheme liabilities	(881)	67	184	32
Experience gains/(losses) on Scheme assets	453	(132)	47	214

5. Tangible assets

	Land and Buildings €	Fixtures, Fittings and Office Equipment €	Motor Vehicles €	Total €
Cost or Valuation				
At 1st January 2012	4,900,000	1,565,169	-	6,465,169
Additions	-	211,781	81,574	293,355
At 31st December 2012	<u>4,900,000</u>	<u>1,776,950</u>	<u>81,574</u>	<u>6,758,524</u>
Depreciation				
At 1st January 2012	-	1,437,232	-	1,437,232
Charge for the year	113,378	135,523	20,394	269,295
At 31st December 2012	<u>113,378</u>	<u>1,572,755</u>	<u>20,394</u>	<u>1,706,527</u>
Net book values				
At 31st December 2012	<u>4,786,622</u>	<u>204,195</u>	<u>61,180</u>	<u>5,051,997</u>
At 31st December 2011	<u>4,900,000</u>	<u>127,937</u>	-	<u>5,027,937</u>

Land and Buildings were valued by Lisney, Valuers, 24 St Stephen's Green, Dublin 2, in March 2012 on the basis of open market value for existing use

and this valuation of €4,900,000 is included above. The Institution has not adopted a revaluation policy in respect of other fixed assets.

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FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

6. Debtors

	2012	2011
	€	€
Debtors	433,228	460,785
Taxation	16,102	7,203
	<u>449,330</u>	<u>467,988</u>

7. Cash Flow Statement

	2012	2011
	€	€
(a) Reconciliation of Operating Surplus to Net Cash		
Inflow from Operating Activities		
Surplus for the year	242,457	31,132
Pension cost	47,000	70,000
Employer's contributions to the defined benefit scheme	-	(64,000)
Interest Receivable	(22,982)	(12,153)
Depreciation Charge	269,295	337,465
Loss on sale of tangible fixed assets	-	1,726
Decrease/(Increase) in Debtors	18,658	(3,491)
(Decrease)/Increase in Creditors	(114,358)	294,304
(Decrease)/Increase in Prepaid and Term Subscriptions	(40,226)	61,758
Increase/(Decrease) in Lease Obligations	44,290	(23,907)
Net Cash inflow from operating activities	<u>444,134</u>	<u>692,834</u>
(b) Analysis of Changes in Cash and Cash Equivalents during the period		
Balance at beginning of year	962,755	315,340
Net cash inflow	172,761	647,415
Balance at end of year	<u>1,135,516</u>	<u>962,755</u>

(c) Summary of the movement in Cash and of the Balances of Cash and Cash Equivalents as shown in the Financial Statements

	2012	2011	Change in
	€	€	2012
			€
Bank balances and cash	1,320,577	1,165,987	154,590
Bank Loan	(185,061)	(203,232)	18,171
Cash Flow Statement	<u>1,135,516</u>	<u>962,755</u>	<u>172,761</u>

CHAPTER TWO

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

8. Creditors – amounts falling due within one year

	2012 €	2011 €
Creditors and Accruals	351,019	529,489
Bank loan	18,170	18,170
Obligations under Finance Leases	24,832	8,954
PAYE/PRSI	127,866	132,415
VAT	77,375	244,194
Deferred Income (Note 8.1)	734,368	498,888
Subscriptions Prepaid	259,176	299,402
	<u>1,592,806</u>	<u>1,731,512</u>

8.1 Deferred Income

	2012 €	2011 €
STEPS Programme		
Balance at beginning of year	314,604	248,638
Contributions Received	529,693	443,346
Released to Income in year	(380,802)	(377,380)
	<u>463,495</u>	<u>314,604</u>
Other Deferred Income	270,873	184,284
Total Deferred Income	<u>734,368</u>	<u>498,888</u>

9. Creditors – amounts falling due after one year

	2012 €	2011 €
Obligations under Finance Leases	28,412	-
Bank Loans	166,891	185,062
	<u>195,303</u>	<u>185,062</u>

10. Reserves

	2012 €	2011 €
Accumulated Fund		
Balance at beginning of year	4,545,025	4,036,893
Surplus for year	242,457	31,132
Actuarial (loss)/gain on pension scheme	(428,000)	477,000
Balance at year end	<u>4,359,482</u>	<u>4,545,025</u>

CHAPTER TWO

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2012

11. Revaluation Reserve

	2012 €	2011 €
Balance at beginning of year	189,323	1,502,198
Impairment for the year	-	(1,312,875)
Balance at year end	<u>189,323</u>	<u>189,323</u>

12. CPD Accreditation

Engineers Ireland acknowledges that it has received contributions from the Department of Education and Skills in relation to the National Training Fund.

13. Reclassification of Comparative Figures

The comparative figures have been reclassified in respect of some headings.

14. Approval of the Financial Statements

The Financial Statements were approved by Council on: April 27, 2013.

CHAPTER THREE

ENGINEERS IRELAND ANNUAL REPORT 2012/13

MEMBERSHIP

PROFESSIONAL RECOGNITION

Board of Examiners

The current Board was appointed for a three-year term by the Council of Engineers Ireland in September 2012. It is comprised of the following members:

Chairman – Richard Crowe
Vice Chair – Niall English
Dr Josette Galligan
Bill Grimson
Denis Higgins
John Lombard
Tony Moore
Stephen Seymour
Mary Sharp
Norman Walsh

On behalf of Council, the Board is responsible for the supervision and quality assurance of the Professional Review procedures leading to the award of the Registered Professional Titles of Engineers Ireland to qualified candidates. Over the past year the Board has continued to ensure that adequate and consistent professional engineering standards are maintained. The Board is responsible for the selection of interview panels, in consultation with the Membership Secretariat, which makes the arrangements for Professional Interviews.

Membership and Qualifications Board

- Thomas Cleary (Chairman until October 2012)
- Dr David Kennedy (Chairman since October 2012)
- Joseph Fitzpatrick
- Majella Henchion
- Garrett McGuinness
- John Murphy
- Anthony Keane
- Yaqian Zhao
- Daniel O'Brien
- Richard Crowe
- John Lombard
- Margie McCarthy – Membership Director
- Damien Owens – Registrar

On behalf of Council, the Membership and Qualifications Board is responsible for the development, establishment and implementation of the policies, regulations and procedures required for the implementation of the Council's statutory functions and obligations

in respect of the Register, and all other matters related to the membership grades and professional titles of Engineers Ireland.

NETWORKING, SOCIAL AND CAREER RESOURCES

Engineers Club Committee

The Engineers Club Committee oversees the running of Café Clyde, which is operated by our caterers, Aramark, trading as 'Seasons at Café Clyde'. Aramark provides a full restaurant and bar service for both members of Engineers Ireland and external groups using our state-of-the-art facilities.

The committee consists of:

Orla Lonergan, Chairperson
John Power, Secretary
Patrick May, Treasurer
Michael J Higgins
Paddy Hennigan
Michael Phillips, President
PJ Rudden, Past President
John O'Dea, Vice President
Regina Moran, Vice President
Murt Coleman
Domhnall Blair
John Byrne

Engineers Bridge Club Committee 2012-2013

President: Séamus O Colmáin
Captain: Gay Nolan
Hon. Secretary: Jennifer Kelly
Hon. Treasurer: Marie O'Neill
Maurice Buckley
Peggy Lowe
Chris Fitzgerald
Mary McKeever
Ex-Officio – Derry O'Leary

The Bridge Club meets every Monday at 7.30pm in Clyde Road and is one of the longest established clubs, celebrating its 50th anniversary in 2007. New members are always welcome.

CHAPTER THREE

ENGINEERS IRELAND ANNUAL REPORT 2012/13

Engineers Toastmasters

Toastmasters meet every second, fourth and fifth Tuesday between September and June at Clyde Road at 8.00pm. The mission of the club is to provide a mutually supportive and positive learning environment in both public speaking and leadership. The club is very active in working with the Young Engineers to pass on valuable skills. Visitors are always welcome. If you require any further information, please contact ciaranblair@eircom.net.

ACTIVE PARTICIPATION

Benevolent Fund

The Benevolent Fund provides much needed financial assistance to engineers in need, to their families, and to widows and widowers of former engineers who find themselves in financial difficulties. We would like to acknowledge the support of the membership through the annual subscription levy, which has given the fund a stability that is greatly appreciated in these difficult financial times. In the year 2012/13 the fund has helped some 19 individual cases and their families. This work is ongoing, and the fund continues to be fully supported by the membership. We encourage all members to be aware of the circumstances of other engineers around them, and where a need is identified, to draw it to the attention of the committee, by writing or emailing Engineers Ireland. This will bring the matter to the attention of the Benevolent Fund, who will investigate and look after the matter, as appropriate. Contact: benevolentfund@engineersireland.ie

Officers

John Higgins – Chairman
Raymond Sexton – Former Chairman
Pat May – Hon. Secretary
Ron Bergin – Hon. Treasurer
Kevin Madden – Past Chairman

Committee

Don McEntee Brian Torpey
Majella Henschion Sarah Claxton
Fergus Keane

RECOGNISING ENGINEERING EXCELLENCE

Excellence Awards 2012

The Excellence Awards took place on November 9 in the Four Seasons Hotel. The competition, sponsored by ESB, celebrated the achievements of the engineering profession in Ireland.

The main award of the night was the Engineering Project of the Year, decided by public vote, and won by The Cill Rónáin Harbour, Inis Mór, as submitted by PUNCH Consulting Engineers/BAM Civil/Galway County Council/Department of Arts, Heritage and the Gaeltacht. The winner came from a shortlist that included the Clonmel Flood Relief

Scheme, the Etihad Skyline Croke Park Stadium, the Giant's Causeway Visitor Centre, the Michael O'Shaughnessy Bridge, the Portrane/Donabate/Rush/Lusk Waste Water Treatment Scheme, and Titanic Belfast.

Roll of honour

Engineering Project of the Year
– The Cill Rónáin Harbour, Inis Mór
Chartered Engineer of the Year
– Eoin Bambury
The Environmental Infrastructure Award
– Erne Valley Group Water Scheme
ESB Outstanding Contribution to Engineering
– John Killeen
Engineering Education Award
– TCD All Ireland MSc in Bioengineering
Technology of the Year
– OpenHydro
Volunteer/Volunteer Group of the Year
– Young Engineers Society
Best Paper or Presentation
– Clonmel Flood Relief Scheme

Chartered Engineer of the Year Award

The competition to select the Chartered Engineer of the Year 2012 was held in Engineers Ireland on November 1, 2012. The event was once again sponsored by Beale & Company and Griffiths and Armour. Eoin Bambury, Principal Engineer with Crospon, was announced as the winner at the Engineers Ireland Excellence Awards on November 9, 2012, in the Four Seasons Hotel. Eoin's showcase project was entitled 'Janisys Active Transdermal Drug Delivery'.

Conferrings of Registered Professional Titles

The National Conferring of Registered Professional Titles was held on May 18, 2012, in the Helix, DCU. A total of 115 members who successfully achieved the title Engineering Technician, Associate Engineer or Chartered Engineer were presented with their parchments by the President, PJ Rudden. A number of Fellows also received their parchments at the event. Regional conferring ceremonies were also held in the Cork, Midlands, North West, Thomond and West Regions during 2012.

Innovative Student Engineer of the Year awards

The competition for the annual Innovative Student Engineer of the Year awards, sponsored by Siemens, was held in Clyde Road on June 18, 2012. Three finalists were selected for the Level 7 award and five for the Level 8 award. The finalists were shortlisted from submissions from universities and institutes of technology throughout Ireland. Martin Evans from Cork Institute of Technology was announced as the Level 8 award

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ENGINEERS IRELAND ANNUAL REPORT 2012/13

winner for his project 'Design and development of an advanced scrum machine'. The other finalists in this section were Etienne Corish, TCD, Padraig Meaney, NUIG, Paul Conroy, DIT, and Richard O'Connor, DCU. In the Level 7 section, Carlow Institute of Technology student Nigel Morris was the winner for his project 'Briquette Carrousel'.

The other Level 7 finalists were Paul Kilcoyne from IT Sligo and Stephen McLoughlin from DIT.

CPD Employer of the Year Awards 2012

- Overall Winner – Janssen Supply Chain (Ireland)
- Small-sized – ON Semiconductor
- Medium-sized – Siemens Healthcare Diagnostics Manufacturing Limited
- Large-sized – PM Group
- Public sector – Fingal County Council
- Outstanding Achievement – KCI Manufacturing

The MEETA Company Awards

The awards ceremony took place on November 15 at 22 Clyde Road. The overall award was presented to Michael Hannigan, Paul Grant and David Gough, representing Dalkia & Diageo Waterford, for their project 'World Class Asset Care'.

The overall technology award was presented to Paul Mallon, Eddie McCutcheon, Wes Horan and team of Rottapharm for 'The Design, Manufacture, Installation & Operation of a new "independent delivery system" for the Code Block on Production Line 7'. The overall management award was presented to Michael O'Brien of Webprint Concepts Ltd for 'Integrated production maintenance'.

The other award winners on the night, receiving certificates of maintenance excellence, were Abbott Ireland Nutritional Division, Cootehill, Bristol Myers Squibb, Cruiserath, Dalkia at Ballina Beverages, Lagan Cement and Nypro Healthcare.

MEETA Health and Safety Awards

2012 was the third year of the MEETA Health and Safety awards sponsored by the Health and Safety Authority (HSA). The (joint) overall award was presented to Liam Friel, Maintenance Manager, Allergan Pharmaceuticals Ireland – Maintenance Department, for his project 'Safety in Maintenance – Appropriate in a production environment', and Jody Guilfoyle, Lagan Cement Works, for his project 'SharePoint Intranet Safety Management System'.

The other award winners on the night, receiving certificates of maintenance health and safety excellence, were Nypro Healthcare and Jones Engineering Services Asset Care Management Team.

The MEETA Student Awards

The award was presented at the MEETA annual conference held at Clyde Road on November 16. The overall student award was presented to Mark Breen of DIT.

MAINTAINING STANDARDS

Ethics & Disciplinary Board for the 2012-2013 Session

The Ethics and Disciplinary Board, a standing committee established by the Council, is responsible for promoting, monitoring and enforcing the Engineers Ireland Code of Ethics.

Mary Sharp, Chartered Engineer, Chairman
John Power, Chartered Engineer, Secretary to the Board
Damien Owens, Chartered Engineer, Registrar
Tony Buckley, Chartered Engineer
Charlie Campbell, Chartered Engineer
Geraldine Clarke, Solicitor
– nominee of the Law Society of Ireland
Ciaran Fahy, Chartered Engineer
Denis Higgins, Chartered Engineer
John Higgins, Chartered Engineer
Conor Hogan, Chartered Surveyor
– nominee of the Society of Chartered Surveyors
Ciara Kellett, Planning Consultant, Member of the Irish Planning Institute and Engineers Ireland
Frank Lernihan, Chartered Engineer
Bob McLaughlin, Chartered Engineer
Don Menzies, Chartered Engineer
Liam Ryan, Chartered Accountant
– nominee of the Institute of Chartered Accountants
Susan Cogan, Architect
– nominee of The Royal Institute of the Architects of Ireland

Dispute Resolution Board

The current board was appointed for a three-year term by the Council of Engineers Ireland in December 2012. It is comprised of the following members:

Chairman – Ciarán Fahy
Tim Ahern
John Duggan
Siobhan Fahey
Hank Fogarty
Jerry Grant
Anthony Hussey
Harry Meighan
Niav O Higgins

The President of Engineers Ireland appointed eight arbitrators and five conciliators to deal with disputes in the engineering industry in 2012.

CHAPTER THREE

ENGINEERS IRELAND ANNUAL REPORT 2012/13

Finance Committee

The Finance Committee meets monthly to examine the income and expenditure of Engineers Ireland and its adherence to budget, to sanction capital expenditure, to deal with all other financial matters, and to report on these to the Executive. Key activities during the year were securing funding for the CPD Accreditation Scheme and the STEPS programme. The Committee also reviewed the 2012 audited accounts and budget for 2013 and submitted these to Council for approval. The Finance Committee also oversees the pension fund and investments, and the Chairman would like to thank the secretariat for its great work during the past year.

Members

Murt Coleman, Chairman
 Michael Phillips, President
 PJ Rudden, Past President
 John O’Dea, Vice President
 Regina Moran, Vice President
 John Power, Director General
 Domhnall Blair, Council Nominee
 John Byrne, Financial Controller

regulations for the professional title of Chartered Engineer and the updating of the accreditation criteria.

Accreditation Board

Damien Owens – Registrar
 Chairman – Prof. Cyril Burkley (Electronic)
 Dr Brian Foley (Electronic)
 Dr Brian Glennon (Chemical)
 Michael Buckley (Building Services)
 Niamh O’Sullivan (Civil)
 Prof. Norman Black (Software)
 Peter Roche (Electrical)
 David Denieffe (Electronic)
 Gerard MacMichael (Mechanical)
 John Carley (Civil)
 Jim Hanley (Civil)
 Prof. Con Cunnane (Civil)
 Dr Eugene Coyle (Electrical)
 Dr Joe Harrington (Civil)
 Dr Seán McLoone (Electronic)
 Dr Philip Owende (Mechatronic)
 Prof. Philip O’Kane (Civil)
 Dr Noel Murphy (Electronic)
 Dr Michael Conlon (Electrical)
 Eugene Roe (Mechanical)
 Hank Fogarty (Civil)
 Michael Loughnane (Electrical)

Accreditation of engineering education programmes

In fulfilment of its statutory obligations, Engineers Ireland has formally accredited engineering degree programmes in Ireland since 1982. A number of engineering programmes at levels 6, 7, 8 and 9 were accredited during the year. During the year there was significant work on the updating of the

MEMBERSHIP STATS

Grade/Title description	Roll at 01/01/2012	Elected	Reinstated	Transferred to	Transferred from	Removed	Deceased	Roll at 31/12/2012	Difference at end date
Student	8030	2880	64	7	879	1931	3	8168	138
Associate Engineer	160	5	8	12	5	17	0	163	3
Engineering Technician	32	0	0	1	0	3	0	30	-2
Affiliate	0	0	0	0	0	0	0	0	0
Fellow	1412	7	13	30	0	42	19	1401	-11
Chartered Engineer	5445	29	121	336	29	350	19	5533	88
Member – CEng Standard	7383	262	358	790	310	1695	9	6779	-604
Corporate Affiliate	3	0	0	0	0	0	0	3	0
Technician	448	17	11	2	10	77	1	390	-58
Member – AEng Standard	2198	161	94	201	43	567	1	2043	-155
Companion	14	0	0	0	0	0	0	14	0
Hon. Fellow	25	0	0	0	0	0	3	22	-3
Member (AL to CEng)	0	0	0	0	0	0	0	0	0
Member (Eng Tech Standard)	0	0	0	0	0	0	0	0	0
Member (Open)	232	51	2	62	165	51	0	131	-101
Totals:	25382	3412	671	1441	1441	4733	55	24677	-705

CHAPTER FOUR

ENGINEERS IRELAND ANNUAL REPORT 2012/13

ENGINEERING THE FUTURE

STEPS

STEPS aims to facilitate a wider pool of potential engineering students in selecting engineering programmes at third level in order to support national economic recovery and growth. This work is completed with a wide range of partners including strategic partners Discover Science and Engineering (Science Foundation Ireland), the Department of Education and Science, and industry sponsors. STEPS has developed a range of tried and tested resources to enable members of Engineers Ireland to inspire future generations of engineers by delivering a clear message about the engineering profession in the classroom. Over 5,000 volunteer hours were donated by engineers to assist in the delivery of the programme in 2012.

Post-primary school

The Smart Futures initiative encompasses all of the activities that STEPS co-ordinates for post-primary students, and is run in collaboration with ICT Ireland and Discover Science and Engineering. The core activities at post-primary level are:

Engineering courses

The STEPS website details a comprehensive list of all the engineering courses in Ireland. Courses can be filtered by region, third-level institution, engineering discipline or the previous year's CAO points.

Career videos

STEPS has created a series of career videos with major employers across a range of engineering sectors. The videos provide students with an insight into the working careers of two young graduates within the organisations and how they apply the subjects they studied in school.

Smart Futures Champions

The Smart Futures Champions programme involves the co-ordination of volunteer engineer visits to post-primary schools. On average, STEPS co-ordinates approximately 300 visits to schools each year, interacting with almost 9,000 students.

Women in Engineering Day

STEPS hosted the fourth Women in Engineering Day in Clyde Road. This seminar aimed to create a positive awareness among female students about the opportunities that exist in engineering. Speakers ranged from current engineering students speaking about college life to recent graduates and senior professionals. Each speaker discussed their reasons for choosing engineering as a career and their average working day. Following the seminar, a facilitated networking session took place so that students had the opportunity to engage with the speakers.

Maths tutorials and resources

The STEPS website, www.steps.ie, has a host of maths material to support teachers and engage students. Free higher-level maths tutorials for Junior Certificate and Leaving Certificate students are available in Engineers Ireland every weekend. For students not in the local area, online tutorials are available on the STEPS website.

General events

Volunteer workshops

As the STEPS programme grows, Engineers Ireland is committed to ensuring a consistent, enjoyable and quality experience for both volunteers and audiences. As part of this process, STEPS produced a pack giving guidance to volunteers on how to translate their experiences to audiences of all ages. This work is expanding with the introduction of induction sessions for volunteers. These workshops will equip the volunteer with the information and tools required to deliver their message in a way suitable for a student audience, and in turn provide valuable upskilling for their communication skills at work.

Engineers Week 2013

Engineers Week entered its eighth successful year, with approximately 500 events hosted by over 150 organisations across the country. The week, which celebrates the wonders of engineering and promotes engineering as a career choice, took place from February 25 to March 3, 2013. It was a huge success, attracting around 33,000 participants, as well as extensive media coverage. Highlights of the week included: engineering companies welcoming local school children to their facilities to see engineers in action; Family Fun Days in Dublin, Cork and Galway; engineering-themed walking trails in a number of cities; events organised by the Defence Forces; and, 'Science Hack Day', a 36-hour collaborative exploration of solutions to everyday problems. As well as attending shows and workshops, visiting local industries and hosting engineer visits, numerous schools also organised their own events and activities in the classroom. The week was made possible through the support, commitment and enthusiasm of over 1,800 volunteers from the engineering profession.

Online engagement

www.steps.ie contains a wide range of online resources for all audiences. In 2012, the website had 50,000 unique hits while the Engineers Week sectoral newsletter is estimated to have reached 43,000 people. Online activity through the Volunteer Manager is also used to assist engineers to register, track and record their continuing professional development (CPD). For more information on STEPS, please contact the team, Tel: 01-665 1340, or email: info@steps.ie.

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ENGINEERS IRELAND ANNUAL REPORT 2012/13

CPD

CPD Accredited Employer Standard

The Engineers Ireland Continuing Professional Development (CPD) Accredited Employer scheme allows engineering-led organisations to strategically deploy their learning and development systems and processes to bring about a competitive advantage.

2012 was a significant year as Engineers Ireland launched a new revision of the standard. The new framework presents grounded, applicable options for improvement allied to specific business plans and strategic thrusts. The new standard is the result of a strong collaboration between Engineers Ireland, the CPD standing committee, leaders of accredited employers and a specialist CPD advisory group.

In 2012, eight new organisations achieved the CPD standard, while 46 firms were re-accredited as part of the monitoring and review process, which ensures high standards and ongoing added value. A total of 147 organisations, across all sectors of engineering, have now been accredited with the CPD employer standard, which has become particularly sought after by firms hoping to increase trade internationally and improve in the competitive tendering process.

The CPD Accredited Employers' Symposium and the CPD Employer of the Year Awards were held jointly in 2012. Peter O'Neill, Managing Director of IBM Ireland, was keynote speaker for the Symposium. Janssen Supply Chain (Ireland) won the CPD Employer of the Year Award.

We are delighted to have the continued financial support of the Department of Education & Skills for 2013, and also welcome the ongoing support of IDA Ireland and Enterprise Ireland.

For more, see <http://www.engineersireland.ie/cpd/cpd-employer/>
Tel: 01-665 1314, or email: cpdemployers@engineersireland.ie.

CPD training

In 2012, a total of 101 training courses and seminars were organised by the Engineers Ireland CPD training team. These events took place in Clyde Road and at other regional locations.

Our co-hosts were the Centre for Project Management (CPM), University of Limerick, the Chartered Institute of Management Accountants (CIMA), the Association of Consulting Engineers of Ireland (ACEI), the National Standards Authority of Ireland (NSAI), the Electro-Technical Council of Ireland (ETCI), the National Institute for Bioprocessing, Research and Training (NIBRT), the Chartered Institute of Logistics & Transport Ireland (CILT), La Touche and McGee Pharma International.

All speakers and trainers at our courses and seminars are carefully selected subject to quality standards to ensure that our events are CPD approved, i.e., they provide relevant, timely, technical learning for those who attend. Our events are linked to the competences required to obtain and maintain Chartered Engineer status.

Over 54 companies signed up with the Registered Training Providers scheme in 2012. The majority of them are returning customers. The Register

identifies further relevant and high-standard learning opportunities offered by external providers, which complements the core CPD programme provided by Engineers Ireland.

A number of new initiatives were introduced in 2012 and will continue into 2013. In particular, we introduced early bird offerings for seminars and new courses, and continue to grow our e-learning offering.

Engineers Ireland produced an in-company brochure in 2012 called 'Smarter Learning' for cost-effective, convenient and customised training, and ran 26 in-company programmes.

In 2012, Engineers Ireland's Future Professional Series was accredited by Dublin Institute of Technology (DIT). The award you will now receive is a CPD Certificate in Professional Engineering (NFQ Level 9, 5 ECTS), or a CPD Diploma in Professional Engineering (NFQ Level 9, 30 ECTS).

CPD training activities were monitored in 2012 by the 16-member CPD standing committee under chairperson and Vice President John O'Dea, Chartered Engineer. The CPD training team would like to thank the CPD standing committee, event partners, in-company training providers and our sponsors for their continued support. We would like to acknowledge all the delegates who supported our training programmes.

For further information, contact Kelly Scott, Tel: 01-665 1328,
or the CPD Training Hotline, Tel: 01-665 1305,
or email: cpdtraining@engineersireland.ie.

ENGINEERS IRELAND CORPORATE PARTNERS

Aidan O'Connell & Associates Ltd	BAM Contractors
Bord Gáis Éireann	Callaghan Engineering
Calor Teoranta	Clearpower
Coffey Water Limited	Cronin & Sutton Consulting
Executive Benefits Ltd	Frank Glennon Ltd
Griffiths & Armour	IDA Ireland
Irish Drilling Ltd	Jons Civil Engineering Company Ltd
Kentz Group	Liffey Developments (Dublin) Ltd
Lotusworks	MC Building Chemicals Müller & Partners
Michael Punch & Partners Ltd	Nicholas O'Dwyer Consulting Engineers
NSAI	O'Connor Sutton Cronin Consulting Engineers
Oil Field Solutions Limited	Omega Financial Management
Regan Civil Engineering Ltd	Roadbridge
RPS Group Ltd	Schneider Electric Ireland
Shay Murtagh Precast Ltd	Shell E&P Ireland Limited
Tech Skills Resources	Wills Bros Ltd
Wyeth Medica	Zenith Technologies

CHAPTER FIVE

ENGINEERS IRELAND ANNUAL REPORT 2012/13

REPRESENTING OUR MEMBERS



Engineers Ireland is the representative voice of the engineering profession on the island of Ireland, representing 23,000 engineers and engineering students. Over the past year, Engineers Ireland made a number of important submissions to Government, copies of which are available on our website – EngineersIreland.ie.

As well as these submissions, members of Engineers Ireland's staff and volunteer network are representing the Irish engineering community at national and international levels. A summary of the activities undertaken in the past year follows.

ENGINEERS IRELAND ADVOCACY REPORT 2012-13

Engineers Ireland continued to represent Ireland's engineering profession at both national and local Government levels throughout 2012 and into 2013. The report below summarises the key highlights of the year but is in no way an exhaustive summary of all our efforts on our members' behalf.

In January 2012, Engineers Ireland and the Irish Academy of Engineering (IAE) made a joint submission to Dublin City Council in response to its 'Your City, Your Space – Draft Dublin City Public Realm Strategy'.

The second 'State of Ireland' report was published in February 2012 as part of Engineers Week. Launched by Minister for Communications, Energy and Natural Resources Pat Rabbitte TD, the report recommended where investment in Ireland's infrastructure needed to be prioritised. The document was widely distributed to members of the Cabinet with relevant portfolios in communications, energy, transport, waste and water/flooding, as well as members of the opposition parties, secretaries general of departments, and other relevant Government agencies as a reference document for capital investment budget planning. The recommendations also formed part of Engineers Ireland's budget submission in 2012.

In March the Director General wrote to the Minister for the Environment, Community and Local Government regarding appointments to the Building Regulation Advisory Board (BRAB) to emphasise the importance of including a Chartered Engineer.



In April Engineers Ireland was asked to participate in the National Waste Forum and the organisation duly recommended an expert member who took up the position.

The second 'State of Ireland' report was published in February 2012 as part of Engineers Week. Launched by Minister for Communications, Energy and Natural Resources Pat Rabbitte TD, the report recommended where investment in Ireland's infrastructure needed to be prioritised.

Later that same month the Director General wrote to Minister of State Brian Hayes TD regarding the Construction Contracts Bill and Section 8, which provides for a National Panel of Adjudicators. Engineers Ireland proposed operating the national panel on behalf of the Minister, given our long experience in dispute resolution processes. The Minister acknowledged the letter but no other

actions were forthcoming. In May Engineers Ireland, along with the Construction Industry Federation, the Association of Consulting Engineers, the Royal Institute of Architects of Ireland and the Society of Chartered Surveyors of Ireland, requested a round table meeting with the Minister for Environment, Community and Local Government to discuss the proposed amendments to the Building Control Regulations. The Minister failed to take up the offer.

In the same month Engineers Ireland also made its own submission to the Department of Environment, Community and Local Government on the proposed updates to the Building Regulations. As a result a representative of Engineers Ireland was included in the working group, which resulted in the Building Control (Amendment) Regulations 2013 specifying that only Chartered Engineers will be able to fulfil the role of assigned certifier on certificates of compliance and inspection. In July, Engineers Ireland along with the Irish Academy of Engineering and the Association of Consulting Engineers formed an independent Irish Water Advisory Group of Engineers and offered its independent opinion on water issues to, among others, key members of Government including An Taoiseach and An Tánaiste, the secretaries general of the relevant departments, the EPA, NewERA, the Commission for Energy Regulation, and the County and City Managers Association. This process is ongoing.

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That same month the Director General also wrote to the Head of the Irish Passport Office to request that Chartered Engineers are included on the list of acceptable witnesses to sign the consent section of the passport application form. To date no response has been received to confirm this addition but we continue to lobby.

July also saw a second letter go to the Department of Environment, Community and Local Government, this time to the Principal Advisor in the Housing Division, urging the appointment of two engineers to the BRAB Board. Even though there may be engineers on the Board, they are not formal representatives of Engineers Ireland, which we will continue to seek.

In September, following a meeting with Minister for Education and Skills Ruairí Quinn TD, an outline of Engineers Ireland's STEPS schools outreach programme and volunteer activities was sent to the Minister at his request. During the year Engineers Ireland representatives also met with the Minister's team to discuss the new tendering methodologies for schools, specifically to emphasise that technical proficiency and not price alone should be a yardstick for appointment, resulting in a successful outcome, which the Department duly acknowledged.

Most recently, Engineers Ireland has been educating Ireland's MEPs on including the EUR ING as a designated 'qualified person' in the soon to be amended European legislation on medical devices regulations.

A letter was sent to the leader of Fianna Fáil, Micheál Martin TD, in October, highlighting again how out of step the engineering profession is with other professions in Ireland where there is no verification that proven competent Chartered Engineers are required to sign off on major projects that have a public health and safety element. Meetings were subsequently arranged to further brief Mr Martin, Barry Cowen TD and Dara Calleary TD on the matter.

In December, a letter was sent to Minister for the Environment, Community and Local Government Phil Hogan TD following his comments on the scrapping of the National Spatial Strategy offering input into the development of an alternative plan. The alternative is currently in development but no timelines have been set for a replacement.

A letter was also sent to Barry Quinlan, the Principal for Local Government HR in the Department of Environment, Community and Local Government, regarding the proposed draft amendments to

Senior Fire Officer Qualifications. The letter highlighted the unspecified discipline stated in the amendments and requested that this be amended to include engineer.

Throughout 2012, Engineers Ireland engaged with Forfás in consultations on initiatives to revive the construction sector, including recommending that a 'construction champion' be appointed at Government level. A National Strategy for the Construction Sector is scheduled to be published by Forfás in Q2 2013.

2013

Early in 2013 the Director General, accompanied by three expert members, met with the Environment Protection Agency (EPA), which has agreed to include appropriately qualified and competent Chartered Engineers to undertake the risk assessments associated with historic landfill sites.

Engineers Ireland nominated a member for the Quarries Skills Certification Scheme (QSCS) Steering Group, who was accepted and attended on behalf of Engineers Ireland. The first meeting took place in January.

In February the third 'State of Ireland' report was launched once again by Minister for Communications, Energy and Natural Resources Pat Rabbitte TD, and sent to all relevant Government departments, permanent members of Government, State agencies and opposition TDs.

In April, the commencement of works on the N11 and N7 road infrastructure was announced, creating up to 1,000 jobs. Engineers Ireland nominated a member for the 6th Advisory Committee of the Environmental Protection Agency; however, the nominee was not appointed and no reason was given as to why not.

In March 2013 the Director General wrote to the Minister welcoming the establishment of the Pyrite Resolution Board and suggesting the inclusion of an engineer or engineers on that group. A response received in April thanked Engineers Ireland for its input thus far through nominated members of the Pyrite Panel, but indicated that the Pyrite Resolution Board is not a representational body and is in fact a technocratic body.

A group also met with the Government Contracts Committee at the Department of Public Expenditure and Reform to discuss changes to tender documents and consultant appointment documents, along with status and current difficulties in the performance bond market. An undertaking to have the contract reviewed was secured. Most recently, Engineers Ireland has been educating Ireland's MEPs on including the EUR ING as a designated 'qualified person' in the soon to be amended European legislation on medical devices regulations.

This engagement is currently ongoing with the legislation scheduled to be before the European Parliament in November of this year.

THE IRISH ACADEMY OF ENGINEERING

The role of the Academy is to provide authoritative, unbiased, evidence-based advice to Government on important issues, usually in the form of reports, and to promote research and facilitate industry/academy collaboration. Membership is by invitation from nominees who have made a notable contribution at national level during their careers.

The Executive Committee for 2012/2013 is:

President – Dr Anthony D. Barry

President Elect – Jonathan Hegan

Immediate Past President – Jack Golden

Vice President – Don Moore

Hon. Treasurer – Patrick Lynch

Hon. Secretary – Michael Higgins

Members

Dr Liam Connellan

Michael Hayden

William J. McCoubrey

The registered office is:

22 Clyde Road,

Ballsbridge,

Dublin 4.

T: 01-665 1337

E: academy@engineersireland.ie

INTERNATIONAL MATTERS

The Director General and Registrar represented Ireland at the biennial meeting of the International Engineering Alliance (Washington Accord) held in Taipei in June 2011. Engineers Ireland was formally approved for recognition of engineering programmes under the Washington Accord until 2016.

We were particularly busy with international reviews during the year:

- Peter Roche undertook an accreditation visit to the ABET (US) (Sydney Accord).
- Professor Cyril Burkley undertook an accreditation visit to ABEEK (Korea) (Washington Accord).
- Dr Philip Owende undertook an accreditation visit to the Institute of Professional Engineers of New Zealand and Engineers Australia under the Dublin and Sydney Accords.
- Dr David Kennedy undertook a visit to the Engineering Council of South Africa (ECSA) under the Sydney Accord.

EU MATTERS

The European Network for Accreditation of Engineering Education (ENAAE)

The European Network for Accreditation of Engineering Education (ENAAE) authorises accreditation agencies to award the EUR-ACE quality label to higher education. Professor Cyril Burkley, Chair of the Accreditation Board, was elected to the Label Committee of the ENAAE. Cyril Burkley and Damien Owens attended the first ENAAE annual conference in Oporto.

In June 2012 Engineers Ireland was assessed by a visiting team from the ENAAE and licensed to provide the EUR-ACE label for second-cycle degree programmes (Masters).

As well as these submissions, members of Engineers Ireland's staff and volunteer network are representing the Irish engineering community at national and international levels. A summary of the activities undertaken in the past year follows.

FEANI

Damien Owens, Registrar, a member of the European Monitoring Committee (EMC), which grants the EUR ING title, attended a number of meetings of the Committee, including the General Assembly in Rome. At this meeting, Engineers Ireland was one of first signatories to an agreement to introduce the FEANI Engineering Card during 2013. Damien Owens undertook a visit to ASIIN (Germany) to evaluate the accreditation of third-level engineering programmes on behalf of FEANI. Aidan Harney, Director CPD, is driving the FEANI strategy on CPD programmes.

European Union Directives

The European Union initiated a review of the Directive on Mobility of the Professions (EC/2005/36). There were a number of national meetings and consultations in Brussels. The main outcome is the introduction of an electronic card for professionals to ease movement within the EU, with alert mechanisms and other controls. This is expected to be ratified during Ireland's Presidency of the EU during 2013.

CIGRÉ

Chairman: Marie Hayden, EirGrid

Secretary: Robert Donaghy, ESBI

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Irish National Committee Members:

Adele Sleator, EirGrid; Mick Mackey, ESBI; Robert Donaghy, ESBI; Cathal Lally, Siemens; Eugene Bergin, Mott McDonald; Yvonne Coughlan, EirGrid; Fergus Keane, ESB (representing Engineers Ireland); Tim Condon, ESBI; Hugh Cunningham, ESBI; and, Mark Needham, EirGrid (representing IET).

CIGRÉ is the Council on Large Electric Systems and was founded in 1921. It is an international, non-profit association for promoting collaboration between experts from all around the world by sharing knowledge and joining forces to improve the electric power system of today and tomorrow. CIGRÉ Ireland has over 150 members from across the electricity industry in Ireland and Northern Ireland. CIGRÉ has 16 study committees covering a wide range of technical activities. CIGRÉ Ireland has representatives on 13 of these. The study committees and Irish representatives are summarised in the following table:

Study Committee Title	Irish Representative
Transformers	Greg Hanna, ESBI
High Voltage Equipment	Colm Twomey, ESBI
Insulated Cables	Robert Donaghy, ESBI
Overhead Lines	Jarlath Doyle, ESBI
Substations	Eamonn Duggan, ESBI
HVDC and Power Electronics	Cormac McCarthy, EirGrid
Protection and Automation	Simon Hussey, ESBI
System Development and Economics	Louis Fisher, ESBI
System Operation and Control	Hugh Jones, EirGrid
System Technical Performance	William Phang, ESBI
Electricity Markets and Regulation	David Stevens, SEM-O
Distribution Systems and Dispersed Generation	Anthony Hearne, ESB
Information Systems and Telecommunications	Noel Rushe, ESB

The CIGRÉ biennial session was held in Paris from August 26-31, 2012. Ireland had a record eight papers accepted for the session, covering a wide range of topics including electric vehicles, managing power systems with high penetration of wind energy, and the strategic evolution of the Single Electricity Market in Ireland and Northern Ireland.

A full list of upcoming CIGRÉ events can be found at <http://www.cigre.org/gb/events/events.asp>, and information on the Irish involvement in CIGRÉ can be obtained from the INC Secretary Robert Donaghy at Robert.Donaghy@esbi.ie.

The water sector will offer major changes, with moves to establish a water utility and regulator, as well as new water pricing policies and metering of all domestic properties with a view to introducing water charges for domestic users in 2014.

INTERNATIONAL WATER ASSOCIATION

Tom Leahy – Chairman

Committee

Ray Earle; Jerry Grant; and, the IWA Ireland National Committee.

The highlight of 2012 was the IWA Water Energy and Climate Change Conference, which took place in the Convention Centre Dublin from May 13-18, 2012. A huge amount of collaborative work was carried out to make this an outstanding success.

Building on this success and recognising that Ireland holds the EU Presidency for the first half of 2013, the Local IWA committee members were joint organisers of an excellent 'Sustainable Business' summit held in the Wood Quay Venue on April 22, 2013. Paul Reiter, IWA Strategic Council, was a keynote speaker. The highlight of the event was a visit by EU Environment Ministers, including Minister Phil Hogan, to see the opportunities in the Dublin Clean-tech Cluster. The water sector will offer major changes, with moves to establish a water utility and regulator, as well as new water pricing policies and metering of all domestic properties with a view to introducing water charges for domestic users in 2014. Engineers Ireland, The Academy of Engineering and IWA members are fully involved in ensuring the success of this most challenging endeavour.

REGIONS, DIVISIONS AND SOCIETIES

Engineers Ireland is built on a network of regional branches, engineering divisions and societies that facilitate knowledge sharing among the engineering community in a way that is relevant, flexible and local.

Regardless of the size of a regional branch, engineering division or society, or the geographic distribution of its members, their success is attributed to the work of our committees who, on a voluntary basis, work with the Engineers Ireland teams to advance the continuous professional development of our members.

Our 12 regional branches provide a local focus for Engineers Ireland in a number of geographic locations, providing support for members in the area – technical lectures, networking opportunities, social events and volunteer opportunities – all supporting the development of the professional engineer and bridging communication between Engineers Ireland and the region.

Our 11 engineering divisions foster and co-ordinate activities of a technical nature with the aim of promoting the technical engineering competence of the membership.

Our nine societies operate as a subsidiary to the engineering divisions, catering for the various specialist areas within engineering and delivering a specific programme of professional activities.

The regional branches, engineering divisions and societies offer members:

- networking opportunities with other engineering professionals;
- free lectures and seminars;
- webinars and publications;
- CPD training events;
- an online library of technical resources;
- interactive online discussion forums and blogs;
- industry interviews;
- links to relevant websites; and,
- e-newsletters.

In their membership profile (accessible via the website) members can affiliate to any number of groups according to their particular needs and interests, and sign up for email alerts from any regional branch, engineering division or society in which they have an interest.

Regardless of the size of a regional branch, engineering division or society, or the geographic distribution of its members, their success is attributed to the work of our committees who, on a voluntary basis, work with the Engineers Ireland teams to advance the continuous professional development of our members.

Prime qualifications for officers and committee members are: (1) a keen interest in the objectives of Engineers Ireland and the regional branch, engineering division or society; (2) the ability to work well within a group; and, (3), most importantly, having the time to spend on the business of a particular group while in office.

We are always delighted to hear from members interested in volunteering to participate in our committees. For information on the wide variety of ways in which you can get involved, please contact our Sector Support Team at sectorsupport@engineersireland.ie.

Further information on our regional branches, engineering divisions and societies is available on our website – <http://www.engineersireland.ie/groups/>.

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ENGINEERS IRELAND ANNUAL REPORT 2012/13

Regional branches

An Ríocht (the Kerry region)

Trevor Barrett

Chartered Engineer

T: 066-712 3404

M: 086-102 0731

E: trevor.barrett@mwp.ie

Cork

Denis Crowley

Chartered Engineer

T: 021-427 7670

M: 087-232 5910

E: denis.crowley@arup.com

Donegal

Rodney McDermott

Chartered Engineer

T: 048-9036 8026

M: 086-161 6188

E: rodneymcdermott@hotmail.co.uk

GB Region

Dr Katherine Cashell

Chartered Engineer

T: +44 781 292 7978

E: GBRegion@engineersireland.ie

Middle East

David McKenna

T: +971 4421 6812

M: +971 5065 04936

E: davidmartinmckenna@gmail.com

Midland

Damien Grennan

M: 086-806 8688

E: dgrennan@offalycoco.ie

North East

John Quinn

Chartered Engineer

T: 046-955 5150

M: 087-237 3946

E: engineersirelandnortheast@gmail.com

North West

Anthony Skeffington

Chartered Engineer

T: 071-911 1961

M: 086-858 2739

E: askeffin@sligococo.ie

Northern

Peter Quinn

Chartered Engineer

T: +44 28 8774 1444

M: +44 77 8751 6262

E: quinnpeterg@aol.com

South East

Tony Lauhoff

T: 056-779 3340

E: tonylauhoff@gmail.com

Thomond

Peter Tiernan

Chartered Engineer

T: 061-213503

E: peter.tiernan@ul.ie

West

Christy O'Sullivan

Chartered Engineer

T: 091-400200

M: 086-820 6087

E: christy.osullivan@rpsgroup.com

Engineering divisions

Agriculture and Food

William Curran

Chartered Engineer

T: 01-453 6700

E: will.d.curran@diageo.com

Biomedical

Ger Reilly

T: 01-402 4020

M: 086-385 5313

E: ger.reilly@dit.ie

Chemical and Process

Pat McIntyre

M: 086-244 9145

E: pat.mcintyre@dpseeng.com

Civil

Cormac Bradley

Chartered Engineer

T: 01-488 2900

M: 086-837 7891

E: cormac.bradley@rpsgroup.com

Computing

John Shaw

Chartered Engineer

T: 01-290 2039

M: 087-283 6499

E: john.shaw@mainstreamrp.com

Electrical and Electronic

Dermot Dungan

T: 046-948 3406

M: 087-271 6592

E: dermotdungan@gmail.com

Energy-Environment

Mark Coyne

Chartered Engineer

T: 01-870 1200

M: 087-220 3018

E: mark.coyne@dalkia.ie

Fire and Safety

Dan Fitzgerald

Chartered Engineer

M: 087-260747

E: danfitzgerald@dublincity.ie

Local Government

Pat Hunt

Chartered Engineer

M: 086-804 3448

E: phunt45@gmail.com

Mechanical and Manufacturing

Robert Simpson

Chartered Engineer

T: 01-402 3923

M: 087-990 5614

E: robert.simpson@dit.ie

Structures and Construction

Eoin Flanagan

Chartered Engineer

T: 01-455 6270

M: 087-419 7832

E: eoin.flanagan@pjhegarty.ie

Societies

Academic

Dr Mike Murphy

Chartered Engineer

T: 01-402 3649

M: 087-284 1472

E: mike.murphy@dit.ie

An Roth

Fionn Ó Muirheartaigh

T: 087-700 4756

E: fmurtagh@gmail.com

Geotechnical

Paul Quigley

Chartered Engineer

T: 01-233 4455

M: 087-286 3069

E: paul.quigley@arup.com

Heritage

Ron Cox

Chartered Engineer

T: 01-896 2544

M: 086-839 3297

E: rcox@tcd.ie

MEETA

Eric Bergin

E: enbergin@gmail.com

Project Management

Elina Bychkova

Chartered Engineer

T: 01-288 4499

M: 086-383 7404

E: elina.bychkova@rpsgroup.com

Roads and Transportation

Eoin Ó Catháin

Chartered Engineer

T: 01-294 0800

M: 087-251 9527

E: eocathain@rod.ie

Water and Environmental

Eoin Cullinane

T: 01-294 0800

M: 086-195 8923

E: ecullinane@rod.ie

Young Engineers

Joe Borza

Chartered Engineer

M: 087-282 3447

E: joseph.borza@trinityssi.com

Engineers Ireland,
22 Clyde Road,
Ballsbridge,
Dublin 4,
Ireland.
Tel: +353 (0)1 665 1300
Web: www.engineersireland.ie