

INCON

INCON-the newsletter of the Ireland Section of ISA.

2005 HONOURS AND AWARDS PRESENTATION

This year's Honours & Awards presentation was held on Monday December 5th in The Common Room University College Cork.

The Deputy Lord Mayor of Cork, Councillor Darragh Murphy opened the proceedings.



Deputy Lord Mayor Cllr. Darragh Murphy opening address

I am delighted to be present here tonight to present these awards in this historical centre of education dating back to 1845.

This occasion is intended to acknowledge and encourage excellence and achievement amongst those involved in, and those training for careers in instrumentation and related areas of technology.

The ISA promotes advancement in the theory design, and manufacture of sensors instruments, computers and systems for automation in a wide variety of applications.

With 30,000 members world-wide and as a non-profit making organisation you contribute in a unique way to the many diverse communities which you serve. Your Founder's Mission Statement is one in which you can all be proud: -

"The object of the Society shall be to advance the arts and sciences connected with the theory design manufacture, and use of instruments in the various sciences and technologies"

The sheer breadth of your interests means that the excellence you foster contributes to advances in medicine, science and the arts. In

"ISA, the international society for measurement and control, advances the technology and the competence and the careers of practitioners for the benefit of industry and humanity."

fact there can hardly be a facet of the world we live in today that is not affected by the standards you espouse. If one word can be used to describe the Irish experience over the past few decades it is 'Transformation'. Ireland's economy has grown in a dramatic way over the past fifteen years.

Much of that success has been built on the enviable reputation that Ireland has for its high standard of education and manufacturing. ISA in Ireland, with over 250 members, plays an important part in meeting demonstrably high standards that are attractive to investors and consumers.

The two student sections in FAS and CIT continue that standard for a new generation as Ireland continues its climb up the economic value chain.

When people involved in such diverse areas of technology achieve excellence and in the process produce quality work, it is only right that we should publicly acknowledge such success.

I would like to wish the award recipients, their families, sponsors and all present a joyful and peaceful Christmas as we approach the season's festivities.



Kevin Dignam President ISA addressing the attendees with Deputy Lord Mayor Cllr Darragh Murphy in the background

ISA PRESIDENT'S ADDRESS

Deputy Lord Mayor of Cork, Councillor Darragh Murphy, students, ladies and gentlemen,

On behalf of the ISA Ireland Section, I would like to welcome you all here this evening, to our 26th Annual Honours and Awards Ceremony. We hold this annual ceremony to acknowledge and encourage excellence amongst practitioners and those presently training for careers in the fields of Automation, Control and Instrumentation.

Some of you here tonight may not be familiar with the ISA, the Instrumentation, Systems, and Automation Society. ISA is a global society, founded in 1945 in the USA as a non-profit making organisation to serve the educational

needs of people working in instrumentation, control and related areas of technology.

Since 1945 the society has expanded to become truly global with sections in 110 countries and a global membership in excess of 30,000. Ongoing changes in industry have required the Society to change over the years and to embrace Automation in addition to traditional instrumentation.

The members of ISA now come from all disciplines associated with Instrumentation, Systems and Automation. The mission statement of the society is to advance the technology and the competence and careers of practitioners for the benefit of industry and humanity. Those goals have never been more necessary than they are today in the twenty first century.

The Ireland section of the ISA was chartered in June 1978 and is a voluntary, not for profit organisation. It has since grown to become a nationally recognised organisation and currently has a membership of in excess of 300.

The Ireland section has also participated strongly on the society's global stage. One of the Ireland Section members, Billy Walsh, is currently serving as District 12 Vice President representing Europe, Africa and the Middle East.

Billy is also a member of the ISA Executive Committee, a group of six people currently at the helm of the Society.

We have two student sections in the ISA Ireland section, both of which are represented



Winners of the 2005 Honours and Awards.

Back row: James Spillane, Brendan Hayes, Eoin O'Riain, John Kiely, Daniel O'Shea.

Front row: Deputy Lord Mayor Cllr. Darragh Murphy, Brian Curtis ISA, President ISA Ireland Kevin Dignam

here this evening. The FAS section is represented by Mr Pat McCarthy and the CIT section is represented by Dr. Liam Mc Donnell. Both of these sections are sites for Knowledge Centres.

The society has a total of four knowledge centres countrywide which are part of our commitment to the enhancement of the knowledge base of practitioners.

All of the Society's events are sponsored by Industry and our Honours and Awards Ceremony is no exception. I would now like to say a special word of thanks to this evening's sponsors:

Copper Plastics Ltd
 DPS Engineering & Construction
 Endress & Hauser
 Janssen Pharmaceuticals
 Kirby Engineering Group
 O'Shea Electrical
 Pegler & Louden Ireland
 Pfizer Ireland Pharmaceuticals
 PRM Resource Group
 Project Management Group
 Proscion Ltd
 RPS Environmental Engineering
 Schering Plough (Brinny) Co.
 Valve Services Ltd



Sponsors of Honours and Awards 2005.

Back row: John Downey RPS, Brian Nolan O'Sheas Electrical, Willie Cody Kirby Group, John Farrell Proscion, Pat Murphy RPM Resources, Eamon Creech Janssen Pharmaceuticals, Coleman Hess Pegler & Louden, Donal Grogin Valve Services, Noreen Murphy Copper Plastics, Billy O'Neill P M, Michael O'Mahony Copper Plastics, Gerry McAuliffe. Endress & Hauser
Front row: Brian Curtis ISA, Deputy Lord Mayor Cllr. Darragh Murphy, President ISA Ireland Kevin Dignam and Billy Walsh ISA.

We are delighted that a representative of each sponsor is with us this evening. This clearly shows the industry's awareness of the necessity to support, promote and award excellence. It is also very telling that the majority of these sponsors have now been supporting the awards over many years. I extend a very warm welcome to all of our sponsors here this evening.

All of us here in this room this evening are aware of the tremendous changes and advancement in Ireland over the last few decades and particularly the last number of years. From an inward-looking largely agricultural-based country in the fifties we have emerged to become one of the most dynamic economies in the world today.

We have growth figures which are the envy of our colleagues in the other European Union countries. This did not happen by accident. It has been acknowledged by international experts that in large part this has been due to the excellent, forward-thinking educational policies followed by our governments and implemented by our colleges and universities.

The awardees gathered here tonight represent the excellent results of those policies. When you appreciate the calibre of the students here this evening you will realise that our educational institutions have risen admirably to the challenges presented.

They have contributed to the success of Ireland in very large measure by supplying graduates and technologists who are the equal and better of any others being produced anywhere in the world today.

If I can quote here from Bernard Collins VP International Operations for Boston Scientific: "Ireland as a base for Science & Technology has been bolstered by the knowledge and innovation of the Irish workforce. In 2003 Ireland had the highest amount of science and technology graduates in Europe."

This view is representative of those of many multi-national executives. To our educational establishments I say "you're doing a great job, keep it up."

When you are involved in instrumentation you appreciate the recognition that your peers and pioneers have achieved within the industry. The Honour and Awards Ceremony here

tonight is the ISA Ireland Section's opportunity to recognise the achievements of those who are either starting out in the industry or have spent their lives in development of the industry. It is certainly an honour for us to present these awards here tonight.

This year we have five awards, four of which have been nominated by the third levels institutions and one is by membership of our section.

We, in the ISA Ireland section, are very honoured that the Deputy Lord Mayor Councillor Darragh Murphy is in attendance to present these very special awards to the deserving recipients this evening.

In conclusion I would like to say a special thanks to our organising committee and to UCC for allowing us the use of this very elegant and historic Common Room.

I hope you all have a very relaxed and enjoyable evening as tonight we celebrate excellence in our industry.

Kevin Dignam
President ISA Ireland



A MAJORITY OF ONE



Craft Apprentice Award Winner: Mr. Brendan Hayes receives his medallion from Deputy Lord Mayor Cllr. Darragh Murphy and President ISA Ireland Kevin Dignam

1. Craft Apprentice award:

Criteria: to be awarded, on the nomination of FAS training Centers and/or the Institute of Technology, Carlow, to the best final year instrumentation Apprentice for notable academic and practical achievements in instrumentation.

Recipient: Mr. Brendan Hayes
Kilmanagh, Co. Kilkenny

Nominations: : Mr. Robert Lytle FAS Training Centre, Sligo

Profile of the Recipient:

Brendan completed his apprenticeship in electrical and instrumentation from 2000 to 2005 with Suir Engineering Ltd. During this period I have followed his results with interest from phase 2, 4 and 6 of his apprenticeship and he achieved merits in every module completed.

His attitude and commitment to detail during his time in FAS was exceptional. Brendan was presented with Apprentice of the year for his group

Brendan continued his studies at night and attended the Carlow Institute of Technology. Where he completed National Craft Certificate with merit and also City & Guilds Programmable Logical Controls Certificate

Brendan has displayed a good all round ability in both the practical and technical skills areas of the tasks assigned to him on a number of pharmaceutical type projects which Suir Engineering are currently engaged in.

I have found Brendan to be a very dedicated and sincere person. I am delighted to nominate Brendan for the 2005 ISA Craft Apprentice Award in recognition of his accomplishments.

Brendan is currently employed as an Instrument Technician with Suir Engineering Ltd. Unit 9A, Cleaboy Business Park, Old Kilmeaden Road, Waterford.



Talented Building Blocks



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Technician Award Winner: Mr. James Spillane and his parents with Deputy Lord Mayor Cllr. Darragh Murphy and President ISA Ireland Kevin Dignam

2. Technician Award

Criteria: to be awarded, on a nomination, to the best final year certificate student specialising in any area of instrumentation and control.

Recipient: Mr. James Spillane,
Newgrove, Aherla, Co. Cork

Nomination: Dr. Liam McDonnell Head of the Applied Physics and Instrumentation Dept. Cork Institute of Technology

Profile of the recipient:

James Spillane nomination for this award is based on his outstanding achievement in receiving the highest mark in the Higher Certificate in Science - Applied Physics and Instrumentation in 2005 at Cork Institute of Technology.

His average mark was 77.4% and earned James a Distinction.

Impressively in James's case it could be ventured that this overall mark in itself does not do him justice, as he was consistently excellent across the entire range of subjects he took from Instrumentation and Control through to Physics.

Indeed all of the marks James achieved in either the theoretical, practical, or project elements of all the subjects he took during the

year, came in at above the distinction level of 70%.

In addition to this James must be complimented for his enthusiastic, resourceful and cheerful engagement with the course, his fellow students, and his lecturing staff through the duration of the Certificate course

James is now studying for his BSc in Applied Physics and Instrumentation (formerly the National Diploma in Science - Applied Physics and Instrumentation) at Cork Institute of Technology



Technologist Award Winner: Mr. John Kiely receives his medallion from the Deputy Lord Mayor Cllr. Darragh Murphy and President ISA Ireland Kevin Dignam

3. Technologist award

Criteria: to be awarded on any nomination, to the best final year diploma student specialising in any area on instrumentation and control.

Recipient Mr. John Kiely
Minane Bridge, Co Cork

Nomination: Dr. Liam McDonnell Head of the Applied Physics and Instrumentation Dept. Cork Institute of Technology

Profile of Recipient:

The Department of Applied Physics and Instrumentation in CIT has two four-year honours degree courses based on instrumentation and/or applied physics: the long established BSc in Applied Physics and Instrumentation and the new BSc in Computerised Instrumentation Systems from which the first students graduated in 2004.

John Kiely received the highest mark in the BSc course in Applied Physics and Instrumentation (formerly the National Diploma in Science - Applied Physics and Instrumentation) in 2005 at Cork Institute of Technology.

His average mark was 81% and earned John a Distinction. His highest mark in individual subjects was 87% for Process Engineering. Due to subject weightings this average cannot be computed directly from the marks shown on the transcript of his results.

For achieving first place in the National Certificate in Applied Physics and Instrumentation – award stage, John Received the Janssen Pharmaceutical prize at the 2004 CIT Annual Science Awards ceremony.

John is now studying for his BSc (Honours) in Applied Physics and Instrumentation at Cork Institute of Technology



Some of the attendees at the Honours and Awards presentation in U.C.C.



Daniel O'Shea winner of the Ger Dullea Award, with his family and Deputy Lord Mayor Cllr. Darragh Murphy and President ISA Ireland Kevin Dignam

4. Ger Dullea Award

Criteria: to be awarded, on the nomination of any third-level institution, to the best forth-year student studying instrumentation/ applied physics in Ireland. The award comprises a medallion and bursary of €750 which is to be used to assist in postgraduate studies.

Recipient: Mr. Daniel O'Shea
Lissyclegerig, Kenmare, Co. Kerry

Nomination: Dr. Liam McDonnell Head of the Applied Physics and Instrumentation Dept.
Cork Institute of Technology

Profile of the recipient:

Daniel received the highest mark in the BSc (Honours) in Applied Physics and Instrumentation in 2005 at Cork Institute of Technology.

His average mark was 87.3% and earned Daniel a First Class Honours. Daniel is now a post-graduate research student in the Quantum Optics Research Group in the Department of Applied Physics and Instrumentation at Cork Institute of Technology, having received one of the much sought after scholarships awarded by the Irish Council for Science, Engineering and Technology.

During the four years of the course Daniel's performance has been remarkably consistent: year 1 (81.4%); year 2 (82.1%); year 3 (86.8%); and year 4 (87.3%).

For his final year project, Daniel commissioned and applied a scientific CCD camera imaging system. These systems are increasingly being used in research and industrial settings for a range of spectroscopy applications.

The performance characteristics of a scientific grade CCD were studied so as to provide a solid basis for its commissioning.

A number of experiments involving different light sources were devised in order to test the resolution capability of the CCD system.

A LabView driver and image processing software was developed for the purpose of controlling these experiments. One of the key achievements of the project was the location of defective pixels which makes further development and application of the CCD camera system much easier.

Daniel is now a post-graduate research student in the Quantum Optics Research Group in the Department of Applied Physics and Instrumentation at Cork Institute of Technology. Daniel is funded under the IRCSET Embark postgraduate scholarship to work on a Science Foundation Ireland funded programme of research.

Daniel will be developing a manipulation scheme for the characterisation of spectral emissions from a microcavity laser arrays. There are two significant aims to the research. Firstly, the reduction in size of the devices used

in telecommunications networks within industry and society and secondly, the development of miniaturised sensors for use within the biotechnology sector.



Pioneer Award Winner: Mr. Eoin O'Riain receiving his medallion from Deputy Lord Mayor Cllr. Darragh Murphy and President ISA Ireland Kevin Dignam

5 Instrument Pioneer Award

Criteria: To be awarded, on the nomination of two or more society members, in recognition of a lifetime devoted to instrumentation in Ireland.

Recipient: Mr. Eoin O'Riain,
Baile na hAbhann, Co. Galway

Nominated by: Mr. John Lotty
and Mr. Declan Lordon

Profile of the Recipient:

Eoin Ó Riain has been involved in instrumentation almost since birth since he is the son of Dermot Ryan, who was one of the first people to receive the Instrument Pioneer award in the eighties.

Unusual for a Dubliner he was educated by the Presentation Brothers both in Dublin and in Cork and even tried the life teaching with them in St Josephs on the Mardyke in Cork city for a short period in the mid sixties.

He became formally involved in instrumentation with Industrial Instruments Ltd (ILL) in 1966 and has been involved ever since. When ILL closed in 1987 he started publishing Read-out.

Read-out is by now the authoritative source of information and news in the instrumentation, control and automation community in Ireland. It has been published every two months for the last sixteen years.

Originally the house magazine for ILL it was continued by Eoin on the closure of that company. It is distributed by post to over 2000 named automation and instrumentation professionals throughout Ireland.



Pioneer Award Winner Mr. Eoin O'Rain addressing the attendees at the Honours and Awards night in UCC.

In 1994 he started examining the internet as a means of communication and of publication and in 1995 the Read-out Instrumentation Signpost (read-out.net) was launched and was

one of the first independent such resources on the world wide web.

As use of the web exploded in the nineties so did the number of visitors to the site: from a few hundred a month in 1995 through 500 a week in 2000 to over 6000 a week today



From the Archives: Max J. Kopp President of the ISA has a first taste of stout with Eoin D. O'Rain, President of the Ireland section at a reception in Kitty O'Sheas pub in Dublin to announce details of Instrumentation Ireland Exhibition to be held in the R.D.S. in May 1984

This has expanded Read-out's exposure in the world market and has lead to some international awards down the years. The site is particularly well known for its section of fieldbus technology and it also has sections on Safety and on Security.

Another area where Eoin has developed a service is in the organization of occasional small seminars. Two Read-out Forums have been held to date, one on fieldbus, and the second on "control and automation in the communications era".

These forums have been offered to ISA members at reduced rates and a portion of the profits donated to the Ireland Section. Read-out has been a stalwart exhibitor at the annual ISA Ireland exhibition and Eoin's pictorial reports on this and other shows are legendary.



CIT student winners with Dr. Liam McDonald Head of Physics and Instrumentation Department CIT, Deputy Lord Mayor Cllr. Darragh Murphy and President ISA Ireland Kevin Dignam



Eoin and Maire O'Riain pictured with Pioneer Award nominators Declan Lordan and John Lotty with Deputy Lord Mayor Cllr. Darragh Murphy and President ISA Ireland Kevin Dignam

He has been a member of ISA in Ireland since its foundation in 1977. He served as president of the section in 1984/5, serving during the period when the very first ISA International Exhibition was held in the RDS. He has served on many committees since then in various capacities. In recent years he has acted as Section Webmaster.

Internationally he has acted on several committees both at District 12 level (Europe,

Middle East and Africa), and on the Publications Committee at society level. He is a Director on the ISA Publications Committee.

Eoin is currently the District 12 Nominator. This position ensures that the District is represented in the selection of society officers. He also acts as District 12 Webmaster.

Having lived all his life in Dublin he has moved to the Connemara Gaeltacht in the last two years where he continues to publish.



Eoin is married to Máire and they have three children, Muireann, Diarmuid and Aoileann.

Tonight we honour Eoin O'Riain with the Pioneer Award; He really has been a pioneer in the development of the Instrumentation industry in Ireland over the last Forty years.

We also honour his dedication to ISA for thirty of those years where he has played a major role in developing the ISA mission in Ireland and throughout Europe.

MEMBERSHIP

Current membership of the Ireland section stands at 325

In order that the ISA Ireland section records are accurate and up-to-date concerning our members throughout the country, it is important to let me know if you have:

1. Moved house
2. Moved to a new employer
3. A new telephone number
4. A new fax number
5. A new e-mail address

This will enable us to make sure that all correspondence from the Ireland section and the USA will reach you at the proper destination and in time.

EURO RATES FOR ISA MEMBERSHIP:

1. Regular Membership	€85.00
2. Senior Membership	€85.00
3. Student Membership	€10.00
4. Division Membership	€7.00
5. Two year regular / senior membership	€158.00 (save €12.00)
6. Three year regular / senior membership	€225.00 (save €30.00)

MEMBERSHIP CONTACT:

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THREE QUESTIONS TO ANSWER

Have You Downloaded Your Free ISA Standard?

You can now download FREE one ISA Standard of your choice as a full dues paying member. As of the 1st January a new member benefit was introduced where ISA Members now receive a free standard each year of membership! Each full dues paying Member received a free standard of his or her choice! All downloadable ISA standards qualify. Accredited by the American National Standards Institute (ANSI), ISA has published more than 135 standards, recommended practices, and technical reports, through the dedicated efforts of a network of industry experts. Why wait? Take advantage of this new Member benefit today at WWW.ISA.ORG

Are you entitled to Senior Membership?

Many are entitled to have their membership grade increased to Senior Membership status and over the next few months we hope to contact these members to help them with the membership changes.

To be eligible for senior membership you must meet one of the following qualifications:

- Have 10 years of experience in the instrumentation, systems, and automation field (two of which shall have been in a position of responsible charge).

Or

- Be a graduate from a baccalaureate engineering or science curriculum with at least six years of active work experience in the instrumentation, systems, and automation field (two of which shall have been in a position of responsible charge).

If you are interested in Senior Membership then please contact Declan Lordan or any Committee member and we will help you with your application.

Are Your Membership Details correct?

You are the person who is responsible to make sure your membership details are correct. When you change company or any other contact details please change them online at <http://www.isa.org/> by selecting "MY ISA" or by emailing details to info@isa.ie.

UPCOMING DATES

**23rd February 2006
Committee Meeting
Rochestown Park Hotel Cork**

**7th March 2006
Cork Career Talk
"CV Preparation
and Interview Techniques"
Rochestown Park Hotel Cork**

**23rd March 2006
Committee Meeting
Rochestown Park Hotel Cork**

**Tuesday 25th April 2006
ISA Ireland Section Exhibition**

**Friday 12th May 2006
ISA Ireland Section Golf
Tournament**

SITE VISIT TO THE FRANCISCAN WELL BREWERY - CORK FRIDAY 18TH NOVEMBER 2005



The tour guide Peter Lyall (assistant brewer) receives a presentation from ISA Ireland President Kevin Dignam

The section paid a social visit to this very interesting Cork establishment. We were treated to an excellent overview of the brewing process and, needless to say, sampled some of the various brews produced!!!

About the Brewery:

The Franciscan Well Brewery was founded in 1998 on the North Mall in Cork City, and is built on the site of an old Franciscan Monastery and Well, dating back to the year 1219. Legend has it that the water from the well has miraculous and curative properties, and people would come from afar to drink from it.

The Brewery has combined modern technology with age old tradition in forming classic beer styles including lager, ale, stout and wheat beer. All the beers brewed at the Franciscan Well are natural.



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Mr. Bob Shine – Education/Historian
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Mr. Declan Lordan-Membership
Douglas Control & Automation,
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Mr. Michael Meade – Newsletter
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UCC, 021-4902144

Mr. Brian Curtis – Honours & Awards
DPS Engineering, 021-4702939

Mr. Martin Almond – Past Section
President
Project Management, 021-4974429

Mr. Peadar Walsh – Committee
Jones Engineering, 021-4510722

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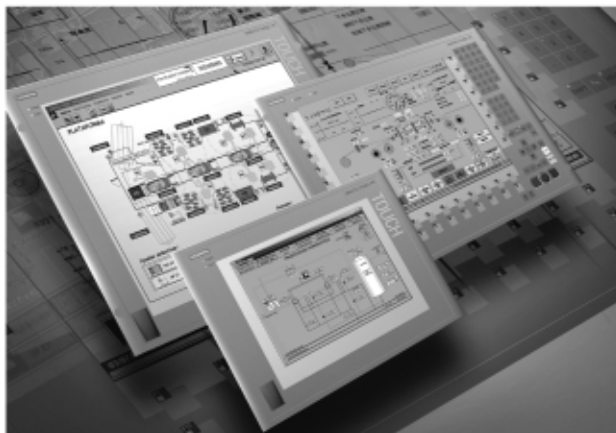
F E E D B A C K

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The views expressed in INCON are not necessarily those of ISA or ISA Ireland

Siemens Panel PCs for harsh industrial use

Siemens Automation and Drives (A&D) has developed two new Panel PCs for harsh industrial use: the especially compact Simatic Panel PC 677, and the flexibly expandable Simatic Panel PC 877. There are several front



designs available for both device types, offering 12" and 15" touch or key operation as well as a 19" touch version. The PC 677 replaces the predecessor model PC 670, and the PC 877 replaces the PC 870.

The new Panel PCs are equipped with powerful processors and are suitable for demanding visualisation tasks and for processing large volumes of data. Intel Pentium M processor is available for PC 677 and Intel Pentium 4 processor for PC 877. The remaining setup is scalable with a main memory configuration up to 2GB, hard disk drives up to 80GB and optical drives, 110-230V AC or 24 V DC power supplies, and the Windows 2000 or XP Professional operating systems. For higher system availability and data security, there is an optional RAID1 mirror disk system, supported by the onboard RAID controller on the PC 677, and the integral vibration-suppressed double hard disk module.

douglas

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