

INCON

INCON-the newsletter of the Ireland Section of ISA.

2007 Honours and Awards Presentation

This year's Honours & Awards presentation was held on Tuesday December 11th in The Common Room University College Cork. Deputy Lord Mayor Councillor Sean Martin presented the awards.



Deputy Lord mayor Councillor Sean Martin at the Honours and Awards in UCC.

He said he is delighted to be present here tonight to present these awards in this historical centre of education dating back to 1845. Previously in 2005 as Lord Mayor of Cork he presented the awards in the same

location. He said there are approximately 22, million sq. Ft. under construction in Cork city at the moment. Cork is developing rapidly in the commercial and industrial sectors.

Cork is planning to put in place infrastructures in the near future to transport the people around the city with the proposed development in the dockland and marina area of Cork.

The growth in the construction area is due to investments made by this Government in the Biotechnology industry in recent years we now have the infrastructure, the people and the skills to attract this type of investment.

Cork is poised to become the centre of excellence in Biopharmaceutical manufacturing technology which will represent an increasing percentage of the 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 300 members, plays an important part in meeting demonstrably high standards that are attractive the investors and consumers.

He then spoke about the role FAS has played in the development of Craft Apprentices and also re training existing work force to adapt to new technology companies.

He also complemented the institute of technologies and universities on increasing the standard of graduates 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.



ISA Ireland Section Vice President Mick Mead addressing the attendees at the Honours and Awards in UCC.

ISA President's Address

Deputy Lord Mayor Councillor Sean Martin, recipients, ladies and gentlemen, recipients, ladies and gentlemen,

On behalf of the ISA Ireland Section, I would like to welcome you all here this evening, to our 28th 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.

I know that some of you here tonight are familiar with the ISA, but for those of you that are not I would like to give you a brief insight into the organisation. ISA, the Instrumentation Systems and Automation Society, is a global society, founded in the USA in 1945.

It is a non-profit making organisation whose purpose is 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 also a voluntary, non-profit making organisation. It has since grown to become a nationally recognised organisation and currently has a membership base of 300.

The Ireland section has also participated strongly on the society's global stage.

At District level we also have Declan Lordan – Treasurer, Eoin O’Riain – Nominator, and Kevin Dignam as District VP Elect.

We have two student sections in the ISA Ireland section, FAS and CIT. 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:

Capper Plastics

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O’Sheas Electrical

Pfizer Ireland Pharmaceuticals

PRM Resource Group

Project Management Group

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Schering Plough (Brinny)

Valve Services

We are delighted that a representative of each sponsor is with us this evening and 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 been supporting the awards many years now. 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.



*Winners of the 2007 Honours and Awards.
Back row: Richard Preniville, Thomas Daly,
Emmett Martin, John Farrell, Barry Bolger
Front row: Brian Nolan ISA Ireland,
Deputy Lord Mayor Cllr. Sean Martin and
President Elect ISA Ireland Mick Mead.*

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 this is largely 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. When you are involved in instrumentation you appreciate the recognition that 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 the development of the industry.

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 Sean Martin is in attendance this evening 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 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.

Thank you.

Jim Long
President ISA Ireland



Pat Mc Carthy FAS, With Craftsman Award winner Barry Bolger and his family

Craftsman 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. Barry Bolger
Carnew, Co. Wicklow.

Nominations: Mr. Pat Mc Carthy, FAS Cork.

Profile of the Recipient:

The contributions for which the above named nominee should be recognised are as follows:

Barry served his apprenticeship as an instrumentation/ Electrical craftsperson with Sheering Plough, Co. Wicklow. From August 2003 to-date he has completed phase 2/4/6 in Cork FAS and Carlow IT. From day one his attitude and commitment was exceptional. Barry never failed to get less than credits in all his exams both practical and theory.

He was always keen to do other projects and therefore educating Barry was an easy task for any of his instructors. He set his sights on entering the National Skills Competition and started preparing for same in early 2005. Barry completed several in-house and external courses in electrical, instrumentation, PLC and Medtronic's in preparation for these events. In 2006 he achieved second place in Industrial Control and in 2007 he achieved first place and is now represented Ireland in the World Skills Competition in Shizuoka, Japan in November 2007. As can be seen from his educational results he has achieved a very high standard.

Having spoken with his supervisor Mr. Tom Fleming of Schering Plough, Mr. Eamon Lane World Skills Leader CIT, Mr. Noel Hackett World Skills Technical Support FAS and all agree Barry is a Worthy Candidate.

I am delighted to nominate Barry for the 2007 ISA Craft Apprentice Award in recognition of his accomplishments.

Degree Award



Degree Award Winner: Thomas Daly receives his medallion from Deputy Lord Mayor Cllr. Sean Martin and President Elect ISA Ireland Mick Meade

Criteria: To be awarded, on any nomination, to the best final year degree student specialising in any area of Instrumentation and Control.

Recipient: Mr. Thomas Daly,
Killeagh, Co. Cork,

Nomination: Dr. Liam McDonnell,
Head, Department of Applied Physics & Instrumentation, Cork Institute of Technology

Profile of the recipient:

Thomas Daly commenced studies in the Cork Institute of Technology in September 2003 in the Department of Electronic Engineering.

Thomas obtained a Distinction in the Higher Certificate in Electronic Engineering in 2005 with an average mark of 84.25%. He continued his studies within Electronic Engineering and obtained a Distinction in the BEng in Electronic Automation & Robotics with an average of 81.83%.

Thomas then transferred to the Department of Applied Physics & Instrumentation and commenced the BSc in Applied Physics & Instrumentation. Thomas achieved the highest mark in 2007 on the BSc in Applied Physics & Instrumentation. His overall average was 78.23% and he was awarded a Distinction Grade.

Thomas is now studying for his BSc (Honours) in Applied Physics and Instrumentation at Cork Institute of Technology. Thomas is an exceptional student who has demonstrated the highest standards of achievement in two academic disciplines.

A review of his examination transcripts shows that the lowest mark achieved was 65% and the highest mark was 96% with the majority of his marks being 80% or higher.

In so doing Thomas has set a tremendous example and challenge to his fellow students. He is clearly poised for an excellent career within the fields of instrumentation, automation and control.

Honours Degree Award



Honours Degree Award Winner: Richard Prendiville receives his medallion from Deputy Lord Mayor Cllr. Sean Martin and President Elect ISA Ireland Mick Meade

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

Recipient Mr. Richard Prendiville
Cappa, Kilrush, Co. Clare.

Nomination: Dr. Liam McDonnell,
Head, Department of Applied Physics & Instrumentation, Cork Institute of Technology

Profile of Recipient:

Richard completed the BSc Honours in Computerised Instrumentation Systems at Cork Institute of Technology in 2007 with a First Class Honours Grade. A review of his four year programme of study reveals overall year averages of 81.8% (2003/2004), 71.0 % (2004/2005), 70.05% (2005/2006), and 75.9% 2006/2007).

Richard obtained the highest mark of the 2007 graduates in the BSc Honours in Computerised Instrumentation Systems and the BSc Honours in Applied Physics & Instrumentation.

Richards's third year placement and his final year project were carried out with Zenith Technologies. His project was entitled "Analogue control modules for the Pharma sector using Siemens PCS7".

The main objectives of the project were to

- (a) Install and set-up Siemens Simatic PC7 Software.
- (b) Design and develop two analogue control module standards and incorporate them into a simulation of a typical pharmaceutical vessel using Siemens Simatic PCS7 software.

The control modules generated were full documented and tested in compliance to GAMP4 guidelines and procedures. The control modules will be added to the Zenith Library for use in future PCS7 projects

Talented Building Blocks



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Technology Achievement Award



Technology Achievement Award Winner: Emmett Martin receives his medallion from Deputy Lord Mayor Cllr. Sean Martin and President Elect ISA Ireland Mick Meade

Criteria: To be Awarded to any person or group in recognition of a new invention or application, significant achievement in contributing to, instrumentation, automation, measurement and control technology within Ireland.

Recipient: Mr. Emmett Martin
Glaxo SmithKline, Currabinny, Co. Cork.

Nomination: Mr. Michael Meade
DPS Engineering & Construction.

Profile of the recipient:

The contributions for which Emmett should be recognized are: Continuous vision, development and implementation of Automation Technology at GSK. Courage to take on new technologies available on the market place and use them in pursuit of the site goals. For the ability to blend different skill sets into a functioning team capable of meeting and exceeding the requirement of their mission statement. "Automation is a must to compete in the Pharmaceutical Industry"
Emmett accepted the award on behalf of the

GSK Site Team. In 1985 Fisher Provox was selected as the DCS platform. This was expanded over the years to include all process plants and environmental areas where the incinerators, treatment plants and solvent recovery systems were automated. Generic software was developed on site to expand Provox to a Network system with Data highways and OWP consoles were added.

In 1999 GSK were the first pharmaceutical company in the world to select Emerson's Delta V system. Emmett lead the team that developed the system to provided added functionality, improvements, a more robust solution and better on-line diagnostics for GSK.

In between Emmett was instrumental in introducing Hazardous Area Remote I/O. Electronic Batch Record system,. He is currently evaluating Wireless Instrumentation with non-process related systems. This wireless technology has not been tried in the pharma industry yet.

Instrument Pioneer Award



Pioneer Award Winner: John Farrell receives his medallion from Deputy Lord Mayor Cllr. Sean Martin and President Elect ISA Ireland Mick Meade

Criteria: To be awarded, on the nomination of two or more Society Members, in recognition of a lifetime devoted to Instrumentation and Control in Ireland.

Recipient: Mr. John Farrell,
Fountainstown, Co.Cork

Nominated by: Mr. Emmett Martin
and Mr. Peadar Walsh.

Profile of the Recipient:

John was born in Dublin in 1942 and was educated in Dublin and then in Cork after the family moved there in the early 50s.

Like many of his contemporaries at this time who wanted to follow a career in Instrumentation, he found the only legitimate instrument training available was in the Services so he decided to join the RAF. There he got a very comprehensive training on aircraft instruments and finished up servicing front line aircraft.

On leaving the air force he joined Goulding Fertilisers in Cork where he underwent further training on industrial instruments and in electrical engineering before taking on the responsibility of Maintenance Technician for the Cork plant.

In 1965 John felt that he could benefit considerably by emigrating and seeing how instruments and systems were being used in other countries. He went to South Africa where he joined the commissioning team of Fraser and Chalmers.

He worked all over South Africa as well as South West Africa and Mozambique. The

plants he helped to commission included a number of refineries, a copper mine, a cement plant, a paper mill, a brewery and an organic synthesis plant

On returning to Ireland he rejoined Gouldings in Dublin as Instrument Supervisor. Then in the late 60s he was hopping between the Dublin and Cork plants supervising the instrument maintenance on both plants before being permanently transferred to Cork in 1969.

In 1970 John married Eileen and they settled in Fountainstown near Crosshaven.



*From the early 1960's
Pioneer
Award Winner
John Farrell
on completion
of his RAF
training.*

When Gouldings downsized in 1975 John moved to Gilroy Automation as Engineering Manager responsible for all engineering functions in the company including sales support.

Among the projects he was responsible for was two analyser houses for Irish Refining, eight complex electro-hydraulic control panels for a company in Germany, a major reactor control system for Gaeleo and a instrument and control simulator for ANCO.

In 1980 John decided it was time to go it alone and formed Farrell Instrumentation Services Ltd. Initially a service company

working mainly for the Co-op and Creamery sectors, but quickly branching out into other area including sales and panel building.

Many of these panels were unique pneumatic logic circuits while others were solenoid junction boxes for use in hazardous areas.

All of the designs for these panels were undertaken by John. In 1984 John designed and marketed an Automatic Wastewater Sampler and over the next number of years over one hundred of these units were put into service all over Ireland.

In 1995 Farrell Instrumentation Services was merged with Tektron and John became Business Unit Manager responsible for the development of the instrumentation side of the business.

But in 1997 John was lured back to his first love that of instrument engineering and he joined ProsCon as Senior Electrical and Instrument Engineer.

He was also tasked with putting together a Panel Fabrication Centre and this produced its first panels (a full Fisher Rosemount Provox control suite of 14 Panels) in 1998.

The facility went on over the years to produce some very significant control system panels - a control system of 57 control panels for Pfizer Singapore, a system of 28 panels for Pfizer Dun Laoire, a system of 19 panels for Pfizer Sandwich in Kent and many, many more panels for a diverse list of customers.

About a month ago John retired after 11 years with ProsCon after a career of nearly 50 very

enjoyable years in instrumentation but as he says himself he has retired but he hasn't finished yet!

John joined ISA in 1979 and has been active in the section ever since receiving his 25 year pin in 2004.

He was Treasurer in 1987/88 putting in place the section first comprehensive book-keeping system feeling the section had now grown and matured sufficiently to warrant a more professional look to ifs accounts.

He went on to serve as Ireland section President in 1995/96.





Sponsors of Honours and Awards 2007.

Back row, Tony Mahon DPS Engineering, Colm Fitzgerald Kirby Group, Eamon Creech Janssen, Pat Murphy PRM Resources, Tony Donnelly Endress+ Hauser, Mick Horcan Proscion, Front row: Brian Nolan ISA Ireland, Deputy Lord Mayor Cllr. Sean Martin and President Elect ISA Ireland Mick Mead

Honours & Awards Sponsors for 2007

We would like to thank our sponsors for their support in organizing these annual awards. The support of our sponsors is vital to the success of many ISA events.

Capper Plastics

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Pfizer Ireland Pharmaceuticals

PRM Resource Company

Project Management

Proscion Engineering

RPS Engineering Services

Scheering Plough (Brinny) Co.

Valve Services

ISA TECHNICAL MEETING

"VALIDATION

– The move to a Risk Based Approach"

On Tuesday 27th of November in the Rochestown Park Hotel Cork, Mr. Karl Lawler of Biokinetics spoke on the changes being sought to Regulatory documents which have been used as "Validation Bibles" by many companies over the last number of years. The use of risk based approaches to the verification of facility and equipment was also discussed.

Karl's presentation included:

- What are the key drivers for these changes?
- "New" Best Practice in Commissioning and Qualification.
- Old Vs New Practices.
- Verification – the new validation.

What these changes mean to end users, suppliers and installers.

In the Life Sciences industry changes are occurring on a continuous basis and recently the focus has turned to the validation and commissioning aspects of regulated facilities and equipment.

A Question & Answer session round off a highly interesting evening.



ISA TECHNICAL MEETING

19 FEBRUARY 2008

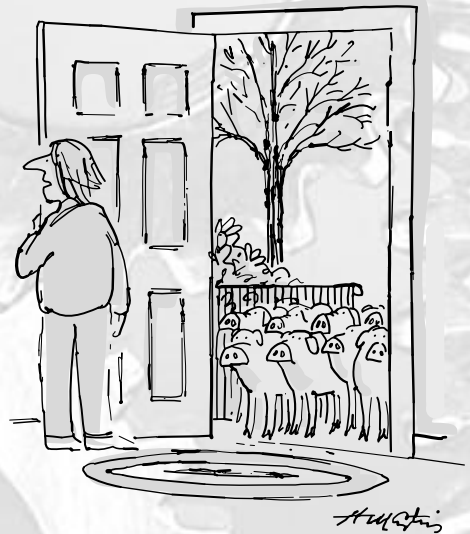
Topic:

OVERALL EQUIPMENT EFFICIENCIES

To be held in Rochestown Park Hotel,
Cork at 20.00hrs.

Contact Jim Long for info:

Tel 01-6465071



"Hey Wes! I think your chickens have come home to roost or words to that effect."

Calendar of Events 2008

The following events have been organised for your benefit.

Cork Technical Talks

Tuesday 19 February 2008.

Topic: **To Be Confirmed**

Speaker: T.B.C.

Leinster Technical Talks

Tuesday 25 March 2008.

Topic: **Predict the Future**

Speaker: Dan Buckley Hanley Control

Athlone Technical Talks

Tuesday 27 May 2008.

Topic: **Project Management**

Speaker: : Karl Lawlor, BioKinetics

Plant Tours

Friday 22 February 2008

Diagio Ltd (Guinness's),

St James's gate, Dublin

Wednesday 16 April 2008

Eli Lilly S.A. IE30 Production Plant,

Dunderrow, Kinsale, Co. Cork

Annual Exhibition

Will be held in Rochestown Park hotel on Tuesday 22 April 2008.

Contact Exhibition Chair: Terry McCarthy at 021-4883798 for further details.

Annual General Meeting

Will be held in Rochestown Park hotel on Thursday 12 June 2008.

AGM to commence at 20.00 hrs.

Social Programme

It is proposed to hold a ISA Golf Outing in early September 2008. This will depend on the response from the Ireland Section members. Can you please give your opinion to members of the committee so that a final decision can be made at the end of January 2008.



ISA Ireland Section

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ISA

wish all its members,
sponsors & friends

A PEACEFUL
CHRISTMAS
and a
PROSPEROUS
NEW YEAR



MEMBERSHIP

In order that the ISA Ireland section records are accurate and up-to-date, it is important to let me know if your information has changed. This will enable us to make sure that all correspondence from the Ireland section and the USA will reach you at the proper destination in time.

Euro Rates for ISA Membership:

Regular Membership	€75.00
Senior Membership	€75.00
3 year Student Member	€15.00
Division Membership	€7.00

Two year regular/ senior membership
€138.00 (save €12.00)

Three year regular/ senior Member
€200.00 (save €25.00)

Mr Declan Lordan

Membership Chair

Tel: 021-4317001,

E-mail : dlordan@douglas-esl.ie



ISA Ireland Section

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"Last week I'm running an electronics plant in Ohio -- today I'm a holy man in Kashmir. What won't my tax lawyer think of next?"



"Well, Max, we're ready to go. We got our fish, we got our ice, and our data processing system is on line."



ISA committee for 2007/ 2008.

Front row L to R: Brian Nolan, Jim Long President ISA Ireland Section, Michael Meade, Terry McCarthy

Back row: Declan Lordan ,Brian Curtis, Billy Walsh, Kevin Dignam, **Missing from Photograph:** Declan Fleming, Bob Shine, Eoin O'Riain, Dave Peyton, David O'Brien, Mark Radford.

2006/ 2007 COMMITTEE.

Mr. James Long - President James Connolly Hospital, 01-6465071

Mr. Michael Meade - President Elect/ Secretary, DPS Engineering, 021-7305030

Mr. Declan Fleming - Treasurer Schering Plough 021-4329538.

Mr. Brian Nolan - Past President O'Sheas Electrical 021-4510740

Mr. Billy Walsh - Education. U.C.C., 021-4902144.

Mr. David O'Brien - Standards & Practices. DPS Engineering 021-4702767

Mr. Terry McCarthy - Exhibition Insteco Ltd, 021-4883798

Mr. Declan Lordan - Membership Douglas Electronics, 021-4317001

Mr. Kevin Dignam - Honours & Awards, DPS Engineering 021-7305034.

Mr. Brian Curtis - Newsletter DPS Engineering 021-4702939

Mr. Eoin O'Riain - Web Site Readout, 087-2663282

Mr. Bob Shine - Historian (Retired), 021-4543722

Mr. Dave Peyton - Student liaison Carlow Institute of Technology, 01-8406217

Mr. Mark Radford - Committee Measurit Ltd, 01-2768104

F E E D B A C K

Section Committee Members can be contacted at:

ISA Ireland Section P.O.Box 203 Eglinton St., Cork

<http://www.iol.ie/~isaire> Info@isa.ie Membership@isa.ie

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

Siemens expand Profinet range

Controller and development tool for field devices expand Profinet range

A new CPU for the Simatic S7-300 controller and a Development Kit for field devices expand the range of Profinet products from Siemens Automation and Drives (A&D). The new CPU 315-2 PN/DP with



Profinet interface supplements the high-performance CPU 317-2 PN/DP for applications in the mid-range. The Profinet interface is used for Industrial Ethernet communication at the cell level as well as for connecting I/O devices and field devices with a Profinet interface, such as the Simatic ET 200S distributed I/O station. Profibus devices are connected via an additional Profibus interface. This also makes the Profinet CPUs suitable as routers from the Ethernet to Profibus.

With the Step 7 engineering tool, the CPUs can be programmed over Ethernet from a central programming device or PC. The field devices connected to the lower-level Profibus can also be accessed from a central point. Profinet field devices, such as I/O devices, are developed quickly with the Development Kit. It includes a CD-ROM with the relevant software and a license providing authorization for both the development and the production of a single product line.

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