# INCON

INCON-the newsletter of the Ireland Section of ISA.

## Eli Lilly Plant Tour IE30 Manufacturing Building, at Kinsale

A plant tour of the IE30 Manufacturing Building, at Eli Lilly S.A. in Dunderrow, Kinsale took place on 9th May 2008.

Eli Lilly and Company is a leading, innovation-driven corporation committed to developing a growing portfolio of best-in-class and first-in-class pharmaceutical products that help people live longer, healthier and more active lives.

Eli Lilly S.A.- Irish Branch, based in Kinsale, County Cork, is one of six Lilly bulk manufacturing plants worldwide. Lilly's Kinsale operation is now positioned to become a centre of excellence in biopharmaceutical manufacturing technology with construction underway of a 400 million Euro facility.

Lilly products treat depression, schizophrenia, attention-deficit hyperactivity disorder, diabetes, osteoporosis and many other conditions.

The tour of the IE30 Manufacturing Facility was hosted by Louise Mark, Sean Doherty and the head of Process Automation John Sweeney of Eli Lilly.

Sean Doherty presented an overview of the IE30 Facility, its' modular construction and process equipment capability.



*IE30 Plant Tour attendees - Kieran Coughlan (Life Science Consultants Ltd), Kevin Dignam (DPS Engineering), Padraig Jenkinson (Schering-Plough (Avondale)), Conal O'Reilly (Phoenix Contact Ltd.), Denis Ring (University College Cork), Billy Walsh (University College Cork), Sean Doherty (Process Eng. Eli Lilly), Louise Mark (Automation Eli Lilly), John Gardiner (Automation Eli Lilly)*

Louise Mark presented an overview of the Foxboro I/A DCS system, its' design, implementation and operation.

Twelve ISA members took part on the tour. A question and answer session took place at the end of an informative tour.

## ISA Annual General Meeting

**Rochestown Park Hotel, Cork**
**June 12 at 20.00hrs**

The ISA Annual General meeting will be held this year in the Rochestown Park hotel on Thursday 12 June at 20.00 hours. The agenda is as follows:
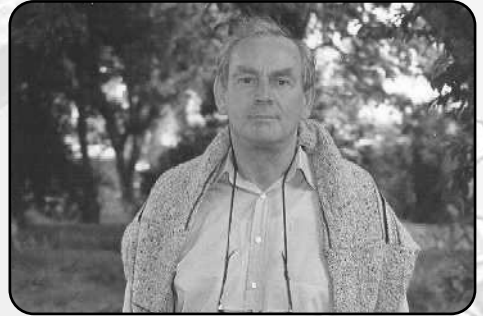
**AGENDA**

1. Minutes of 2007 AGM
2. Matters Arising
3. Out Going Presidents Address
4. Secretary's Report
5. Treasurer's Report
6. Sub Committee Reports
   (i) Membership Report
   (ii) Conference Report
   (iii) Seminar Report
   (iv) Exhibition Report
   (v) Technical Programme
       Report
   (vi) Newsletter Report
   (vii) Standards & Practices
   (viii) Honours & Awards
7. Constitutional Matters & Amendments
8. Election of Officers & Committee for 2008/2009
9. Any Other Business
10. Incoming Presidents Address
11. Close Meeting

## ISA Ireland Section Remembers…

The ISA would like to note the recent Passing of John Farrell and Jim O'Keefe.



*Jim O'Keefe*

Jim had worked for many years with PJ Bonner, following the closure of Dunlop's in the mid 70's servicing many companies in Munster.

He passed away on 30th March 2008 – Anybody who knew Jim will remember him as one of nature's gentlemen, and is survived by his wife Rosaline, his daughter Orla and sons Declan and Brendan.



*John Farrell*

John Farrell was President of ISA in 1995/1996. He was also honoured with the Pioneer Award in December last year in recognition of a lifetime devoted to Control and Instrumentation in Ireland.

John began his career in the aviation industry serving his apprenticeship in the RAF. Subsequently he joined Goulding' Fertilisers and later Gilroy Automation before forming his own company Farrell instrumentation.

After many years in the industry and a brief spell with Tektron he then joined Proscon management team. He is survived by his wife Eileen.

These two gentlemen will be sadly missed by members of the Instrumentation, control and Automation community.

## Sligo Technical Talk

On Tuesday the 11 March 2008 a Student Technical Talk was held in Sligo Institute of Technology.

The presenter was Mr. Tony Donnelly of E&H Ireland. Who delivered an excellent paper and demonstration showing how you can access - via an Internet Portal - all Documentation, Technical Information, Operator Manuals, Calibration Certificates, Instrument / Device Configurations, Spare Part Lists, Product Availability Information for all your E+H Field Devices and how 3rd. Party Products can be accommodated.



*Sligo Technical Talk:   L-R Jim Shannon (Sligo IT), Tony Donnelly Endress+Hauser (Ireland) Ltd, Billy Walsh (University College Cork)*

Additionally, whether you are using HART, or PROFIBUS or Foundation Fieldbus field devices it showed - by the usage of the "enabling technology" FDT / DTM and FieldCare - how you can do Condition Monitoring on All Field Devices and use the Diagnostic Facilities to identify "stressed field devices" and thus drastically reduce breakdowns and extend calibration intervals.

The technical talk was well attended by members mostly from the other side of the Shannon River.



*"It's crafted of fine Scottish, virgin wools by little old machines in Hong Kong."*

## ISA IRELAND SECTION EXHIBITION

The ISA ANNUAL EXHIBITION took place in The Rochestown Park Hotel, Cork on Tuesday 22nd April 2008.

The ISA Ireland president elect Mr. Michael Meade performed the official opening at 11 am on the day and activities progressed until late evening.

This exhibition is seen as a must for any person involved in Instrumentation.

The recognition of the importance of Instrumentation as a contribution to the overall safety and quality of any production or control system has been highlighted by the tremendous improvement in technology in recent years.

This year's exhibition again provided an excellent platform upon which many new products were launched on the Irish Market.

Many of the professionals in the industry, when asked about our exhibition, say it is a must on their calendar because it gives them an opportunity to check on what is new on the market, speak with manufacturers and distributors and most importantly a chance to network with and meet old friends from the industry.

Industry in Ireland faces increased pressure to automate tasks and reduce labor costs. They are also increasing production and these are some of the reasons for the continuing success of the control and automation industry in Ireland.



*Incoming president of the ISA Ireland Section Mr. Mick Meade opening the ISA exhibition 2008 in the Rochestown Park Hotel.*

We need to provide high levels of automation for our members as the competitiveness and profitability for each company is being judged competitively against both other companies in their industry and also against their sister plants across the world.

"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."

There were 35 companies exhibiting on 40 stands. This included all our regulars and also this year there were several new companies exhibiting, increasing the range of equipment and services covered by the exhibition.

The following companies exhibited at the exhibition.

- ABB Ireland
- ACS Drives and Control Systems
- ASM
- ASTECH Ireland Ltd
- DataLink Communications DLC
- DAVAIR Ltd
- Douglas (SIEMENS & STAHL)
- Douglas Control & Automation
- DWN Instrumentation Ltd
- Emerson Process Management Ltd
- Endress + Hauser (Ireland) Ltd
- EPLAN Software and Service
- Eurolec Instrumentation Ltd
- Festo Ltd
- GM Environmental
- Insteco Ltd
- Insteco Ltd - Fluke
- Instrument Technology Ltd
- Irish Pneumatic Services Ltd
- Irish Power & Process Ltd
- ISA Ireland Section
- Logicon
- Multiplex Engineering Ltd
- National Metrology Laboratory
- NORGREN IRL
- NTRON Europe Ltd
- PEMA / CHAUVIN ARNOUX
- Phoenix Contract (IRL) Ltd
- Piltz Ireland

- PROFIBUS Ireland
- Read-out
- Tara Technologies
- Technology Ireland – Enterprise Ireland
- TEKTRON
- Transtest Equipment Ltd

Attendance at the exhibition was well down on previous years.
Is it a sign of the current climate in Ireland?
Was it that particular day?

Are engineers and technicians too busy to be released by companies to attend an exhibition?

ISA Ireland Section are currently carrying out an in depth review of this years exhibition.

I am sure you will be hearing more on the exhibition as the year progresses.

## ISA Ireland Section Golf Outing 2008

**Venue:** Harbour Point Golf Club. Little Island, Co. Cork.
**Date:** Friday 29 August 2008,
**Tee Time:** 2:30pm – 4:00pm

**Team Submissions:** A registration form will be sent out to all ISA members by email. Tee times will be allotted on a first come first served basis.

Additional details will follow in future INCON publications.

**Contact:** Eamon Bradfield
ebradfield@proscon.com

## DLC12 (Europe) Leaders Meeting Report on Attendance at DLC12 in Madrid Apr/08

This report is issued to detail observations recorded by Mr. Mick Meade ISA Ireland president elect visit to the DLC12 Leaders Meeting in Madrid 18-19/Apr/08.

This report details his own views and observations and does not necessarily reflect those of ISA, the Ireland Section or the other attendees thereof.

There were sixteen papers presented over the two days. The papers detailed below are those which had specific relevance.

### "ISA Spain - the key for success of 10 years evolution"

This paper was presented by Francisco Diaz-Andreu and Fredrico Adrian (both Spain Section). The following key points were raised and discussed.

A very active committee of 35 no. with 14 no. positions (chairs) drawn from end users and from across the industry and a new president elected every year.

Financially supported by 47 no. sponsors from across the major industries across Spain and 400 no. members including 150 no. students members in 3 no. student sections with another two in formation.

Runs four courses per year with 30 no. participants over 16-24 hours per course using certified trainers from external bodies and funded by the section.

Provides 3-4 no. Technical Meetings per year each with subsequent panel driven Q & A session.

Increasing adoption of IT and telecom technologies with expanding development of their WEB services.

Employs fulltime paid section Administrator in a rented office.

The Spain Section has achieved a high level of success over the ten years in existence and their model certainly offers some direction to the Ireland Section.

### "The ISA100 Wireless Standard: a chance for European Industry"

This paper was presented by Jean-Pierre Haut (France Section). The following key points were raised and discussed.

In the 1990s the ISA SP50 committee was charged with developing a common fieldbus standard but this work was seriously undermined by the subsequent "fieldbus wars" with deterioration of the reputation of ISA.

Several members of SP50 now sit on SP100 so the hope is that the previous experience will be avoided.

All the major suppliers officially state that they are supporting the ISA100 standard.

The standard intent is that the technology will interface with any application standard.

It is planned to have ISA100 release 1 approved as an ISA standard by mid October 2008.

Potential users, especially in Europe, are still under informed on the subject and reluctant to adopt wireless.

The final position of manufacturers remains to be seen!

### "Spanish Master on Instrumentation and Control"

This paper was presented by Rafael Gonzalez (Spain Section). The following key points were raised and discussed.

Developed due to the lack of a comprehensive course in Spain for professionals and practitioners.

The course objective is to supply the theoretical and practical knowledge for complete professional development in the subject area.

Aimed at those who work in the area of instrumentation and control and also those in operations, process, planning and engineering.

The course is presented by selected experienced university lecturers through lectures, laboratory exercises and equipment simulators using specifically designed software.

The course duration is 10 modules over 550 hours on a 1 week per month basis and limited to 30 students per module. Completion time for full course is generally 2 years.

However modules can be individually selected and completed. The program is very highly regarded and supported by industry in Spain.

The program is an excellent income generator for the Spain Section currently providing 67% of their funding.

### "ISA Positioning"

This paper was presented by Kim Miller-Dunn (ISA President) and the following key points were raised and discussed.

Definition put forward for the term "Automation" and further explained into the proposal to change the legal name of ISA.

There still appeared to be some contention with respect to the definition. Generally the meeting agreed with the name change and expect same to be carried at Houston Oct/08.

A paper was presented by Kim Miller-Dunn (ISA President) on the Funding Task Force. The following key points were raised and discussed.

"Funding Task Force Report"

The report was driven by changes in US legislation in the wake of Enron, Tyco, etc.

The Report was produced by high level team comprised of ISA staff, Division representatives and District representatives but without a direct input from the Sections.

**Recommendation #1** proposes to require Sections to submit Annual Plans and Financial Budgets to ISA HQ and further supported with Quarterly Reports in order to qualify for receiving dues rebates. This position was reiterated as being a function of the existing Section Recognition Program and deemed as

necessary to offer some protection to section funds due to problems in the past concerning de-chartered sections and misappropriation of section monies.

**Recommendation #2** proposes to have the Districts operate on a Business Plan model in place of the current ad hoc approach which quite often left Districts struggling to fulfil their goals on the funding allotted.

**Recommendation #3** proposes to transfer Division Reserves into ISA General Reserves to support Division beneficiary and benevolent activities.

**Recommendation #4** proposes that Division Directors and DVPs operate on a Business Plan model.

**Recommendation #5** proposes to transfer District Reserves (Section contributions to Districts) into ISA General Reserves to support Division beneficiary and benevolent activities. This would eliminate the Section contributions to District and revise the Section rebate down from 20% to 15% with the 5% saving used to offset the District Officer travel costs. A default of 25% (variable 0-25% if directed by Section) of section funds is held for District use. With respect to this recommendation the option is currently there for District to levy Sections for additional funds. The question was posed that if District Leaders were sponsored why do the Section contributions not rebate to the section concerned. If this proposal is implemented then it would appear that Districts lose control of its funding but it could be argued that their control is currently not there. The feeling was that marketing of the ISA brand was more important than specific funding transfers.

**Recommendation #6** proposes to explore a funding model for supporting the Student Games.

**Recommendation #7** proposes to increase membership dues to US$100 but to include two Division memberships. Henceforth dues to be adjusted on a market value but with an adjustment period not exceeding three years nor any one increase not to exceed 25%. Eventually membership to be inclusive of all Divisions.

**Recommendation #8** proposes that reduced dues rate for emerging countries be 50% of regular dues. Recommendation #9 proposes that the cost of providing services to Life Members (non-dues paying) be evaluated for impact on ISA.

**Recommendation #10** proposes that the Society revise the governance model and nomination process to ensure appropriate representation of technical constituencies in addition to geographic constituencies.

**Proposal #7** to increase dues was generally met with no adverse reaction and was considered to be cost increase neutral when the division membership was included.

## Summation

Mr Mick Meade stated "…that the meeting had all the requirements that he would have hoped for being short and intense yet with sufficient opportunities for informal discussion. If there was one significant aspect that one could take away from the meeting is the fact that it is essential for the world and Ireland to attract the young into our industry and retain

them. ISA needs to ensure that it is positioned to drive this by attracting, retaining and growing its own membership."

Report By:
**M.Meade,**
President elect,
ISA Ireland Section



# ISA TECHNICAL MEETING

**27 MAY 2008**

**Topic:**
Project Management
Best Practice to Achieve Project Success

**Presenter:**
Karl Lawler
From Bio Kinetics.

**To be held in:**
Creggan Court Hotel,
Athlone,
Co. Westmeath
at 19.00hrs
.
Contact Billy Walsh for info:
Tel 021-4902144

## 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 Eoin O'Riain**

Membership Chair
Tel: 087-2663282
E-mail : readout@iol.ie

**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 Photograp:** 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. Eoin O'Riain** - Membership Readout, 087-2663282

**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 Blanchardstown Institute of Technology, 01-8854550

**Mr. Mark Radford** - Committee Measurit Ltd, 01-2768104
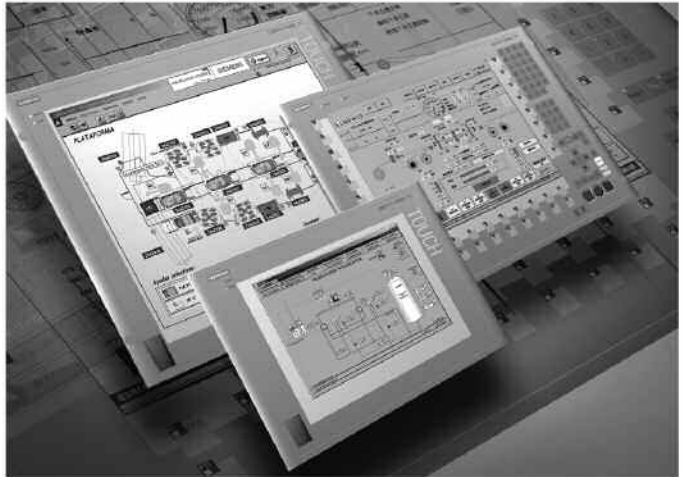
## F E E D B A C K
*Section Committee Members can be contacted at:*
ISA Ireland Section P.O.Box 203 Eglinton St., Cork
http://www.iol.ie/~isaire    Info@isa.ie    Membership@isa.ie

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

# Siemens 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.