



**Institute of  
Instrumentation  
Control and  
Automation**

# NewsLetter

December 2013



## President's Report



It has been an extremely busy time for me in my professional life here in Brisbane which is indicative of the strong industry in the sunshine state.

The IICA on a national basis, is no exception. So far this calendar year, the IICA

has run and/or been involved with over 80 events such as Seminars, Technology Expos, Training Courses, Golf Days, Technical Nights & Site Tours, not to mention the myriad of social events generously scattered over the diary.

Each branch has celebrated the IICA's 70th Anniversary with its local members and committee with its own personal savour. Perth Branch incorporated their annual Quiz Night, Adelaide Branch enjoyed a sit down breakfast, Melbourne held a formal dinner with professional entertainment, Sydney Branch included their celebration with their annual dinner and charity drive and Brisbane Branch also held a dinner to commemorate this auspicious occasion.

Perth, Melbourne & Brisbane Branches

ran Seminars to appeal to their local area of industry. Sydney Branch solely focused their Seminar on the topic of Cyber Security.

On an internal note, the IICA Federal Council In-Person Meeting was held on the 18th & 19th October 2013 in Melbourne and was devoted to examining each of the many Business Cases that different Federal Council groups of members had put together for review.

These cases came about from the results of Focus Group meetings that were conducted across the IICA nationally earlier this year. Input to the Focus Groups came from representatives of IICA suppliers, end users as well as industry representation from invited non-IICA members. Once the results had been collated, Federal Council then met face to face in Melbourne to examine in detail, the very comprehensive data, suggestions and concerns that the Focus Group activity had produced. Many of these praised the Institute for particular initiatives, activities and accomplishments, while others offered constructive and sometimes quite pointed criticisms, suggestions, and raised matters that warranted serious consideration by Federal Council.

The upshot was that Federal Council agreed on a number of key issues emerging from those Focus Group results. Councillors then volunteered to put together a Business Case for the issue that each chose to pursue,

and these would be brought to the October In-Person Council Meeting. Federal Council would examine them all and choose the two or three issues that everyone agreed as the ones that would assist the IICA to proceed into the future with confidence.

At the October Meeting then, Federal Council did exactly that. It reviewed each of the Business Cases and agreed that while every idea had intrinsic merit, the reality was that with the limited resources, (human and financial), it had to narrow down to the key two or three areas that will achieve the objectives that Members want for the Institute, i.e. visibility, relevance and leadership in areas that will provide tangible value propositions attractive to existing and new Members. Federal Council agreed that each of the initial ideas require proper feasibility, as well as due diligence work to be done before we can finalise its choices. Once all necessary homework has been successfully done, Federal Council will advise members of the details.

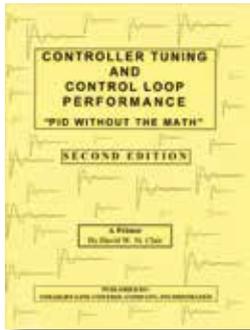
Apart from the newly agreed two to three areas earmarked for due diligence preparatory homework, Federal Council also reviewed the one significant existing project that the IICA has been involved with for some time now - this project involves developing training courses for those instrumentation and other areas engaged in specific maintenance activities in the Aerospace sectors... (Continued on page 7)



# WIN 1 of 5 iPad Minis

Renew your IICA membership or join the IICA before 31 January 2014 and you could win 1 of 5 iPad Minis (16GB)

Winners will be notified by email and phone by Monday 24 February 2014 and will be published in the IICA National eNewsletter - March 2014



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Institute of Instrumentation, Control & Automation Australia Inc - ABN 70 901 535 539.  
A Tax Invoice/Receipt will be forwarded after processing.

Please fax your order to 03 9772 0133 or post to IICA PO Box 856 Pakenham Vic 3810.

**Are you CONNECTED? Become a member of the IICA LinkedIn Group!**

The IICA group has doubled since last year! We are almost at 1000 members for our group. Join the 960+ IICA LinkedIn members to keep up to date with what's on at the IICA and follow the various discussions. If you are already a LinkedIn member of other groups, simply search the groups for 'Institute of Instrumentation Control and Automation Aust Inc'. If not a LinkedIn member yet, go to [www.linkedin.com/home](http://www.linkedin.com/home) and join. It's a simple process and only takes a couple of minutes.



## Brisbane Technology Expo Draws Record Breaking Crowds in 2013

What a successful year for IICA Queensland! In 2013 the IICA Brisbane Branch came back to life with a new secretary, a record breaking Technology Expo and lots of well attended social and educational events to rejuvenate the Queensland IICA membership community.

We kick started the year with a Social Member Night in March, introducing the new Secretary, me, Nancy, as well as the Brisbane Branch Committee to our members.

In April, IICA Queensland held its most successful Technology Expo yet with exactly 100 visitors though door to check out the latest technologies presented by 33 exhibitor companies. The event was a record breaker and set a new benchmark for us for 2014.

The Gladstone Technology Expo was held in July and the Mackay Technology Expo in

August servicing the northern Qld regions.

Our Professional Development Courses in 2013 were overall well attended. We had "Grounding and Noise Reduction for Control Equipment (TI21C)" in May and the "AS4024.1-2006 Safety of Machinery Workshop" in July which was held in Brisbane and Gladstone. The final Training Courses for the year will be "Introduction to Industrial Data Networks and Fieldbuses (FG30C)" in November and "Safety Instrumented Systems – The Must Know for Implementation (EC50C)" in December.

2013 was also the year that marked the 70th Anniversary of the IICA. To recognise and celebrate this momentous occasion there was a special IC&A Seminar including Cyber Security organised in July which drew lots of interest and was well attended. To keep the social aspect of the IICA alive, Members and Non-Members came along

and mingled at our 70th Anniversary Drinks and Dinner Event at the stunning Breakfast Creek Hotel.

Thank you to our continuing and new members for supporting and attending our events, reading our news feeds and talking with us.

Many thanks to the vendors, whose support and involvement in events like Technology Expos and Seminars help us to build a bridge between product developers, engineers and end users and bring together the industry.

Stay tuned for 2014, there are many exciting things waiting for you! Check the IICA events calendar on [www.iica.org.au](http://www.iica.org.au) or contact [qld@iica.org.au](mailto:qld@iica.org.au).

**Nancy Knott**  
**IICA Brisbane Branch Secretary**  
[qld@iica.org.au](mailto:qld@iica.org.au)

## Sydney Branch Holds a Myriad of Events in 2013



**IICA Sydney Inaugural Golf Day 2013**

Since we last communicated, the IICA Sydney Branch have organised and run several events.

Wollongong Technology Expo attracted 46 exhibitors and a final attendance of 65 visitors. In June, Bürkert Fluid Control Systems hosted an @Home for our Branch. Bürkert treated us to their usual warm hospitality which included German beer & food – a true reflection of their company's family traditions. A presentation by Chris Hoey (MD & also IICA Vice Chairman) on Remote Monitoring & Hands-on with New Local Assembly Technology was excellent and Chris also conducted a 'behind the scenes' tour of Bürkert and the Systemhaus, with specialist support from key experts.

Our Annual Christmas in July Dinner & Charity Drive had live performances and having exclusive use of The Cove @ Drummoyne ensured an intimate yet limitless amount of enjoyment for the 60 members and partners. Our charity for 2013 was St Vincent De Paul and it was a thrilled staff member to receive all of the generous gifts the following day.

A huge amount of organisation went into our Inaugural Sydney Golf Day which landed perfectly on a stunning spring day with 18 teams of golfers to enjoy the prestigious Manly Golf Course. Thanks to the 15 sponsors and individual players that contributed to such a fantastic event. The course is already booked for 2014, so get in early to ensure your spot.

Most recently we held, what can only be described as a Gala Event Day! Incorporating The IICA Sydney Cyber Security Seminar



**Sydney Cyber Security Seminar.**  
**Keynote Speaker Dr Christopher Beggs**

which ran from 8.30am to 12.30pm and had 55 registrations. Following the Seminar, at the same venue, from 1pm to 7pm, we ran the IICA Sydney Technology Expo. As a special Bonus Attraction, we had also

secured exclusive access to Sydney Water Malabar Treatment Plant offering a 2 hour tour of the plant by Ross Law, Sydney Water. Overall, there was a final attendance of 68 to the Tech Expo which did include the visitors from the Seminar and WTP tour.

Our final, yet most fun event of the year was the IICA Sydney TRIVIA NIGHT held on Tuesday 19 November @ the NSW Rugby Club, off Pitt St, Sydney CBD. The results of the evening won't be able to be provided in time for this printed publication but will Schneider-Electric retain its crown for 2013?

2014 is scarily upon us and we have been busy scheduling our events and finalising our budget. Sydney Branch has locked in our Technology Expos: Bathurst (March), Sydney (Western Marconi Club – June) & Sydney (South/East – October). We will also be scheduling 6 Technical Nights, we will attend NMW – Sydney May 2014, hold our Annual General Meeting with a Guest Speaker – April 2014, Annual Christmas in July Members Dinner @ The Cove, Sydney Golf Day – September 2014, Sydney Trivia Night & Christmas Drinks and 6-8 Committee Meetings to name a few!

We are looking forward to a successful end to the year and we would like to thank all our members and CIP members that consistently support our events. We wish you and your families a happy and prosperous new year and we look forward to seeing you at our future events.

**Julie Meynell**  
**IICA Sydney Branch Secretary**  
[nsw@iica.org.au](mailto:nsw@iica.org.au)

## Perth Technology Expo Attracts Double Century of Visitors

The IICA Perth Branch has held some hugely successful events throughout 2013.

It started with a Technical Night that we offered way back in February on "Commissioning Practice" by Norman Kirwan-Ward. Norman has over 30 years experience in engineering and industrial projects including greenfield projects, brownfield plant upgrades, major shutdowns and ongoing operations. The event was booked out and attracted a huge amount of interest from both members and non-members.

Technical Nights, Site Tours and of course our most popular Quiz Night (dedicated to Tiong Seng Lim, or Lim who was a long-term member of our branch) was all topped off with the hugely successful Technology Expo held on October 17th.

There was a record number of 55 Exhibitors at our event this year. Usually we are restricted to venue size but they were able to release some space to accommodate the extra interest.

Pre-registrations of over 170 indicated that word had got out! We had 70 register

on the day so final visitor numbers were just under the 200 mark. An excellent result for our event and of course, the exhibitors.

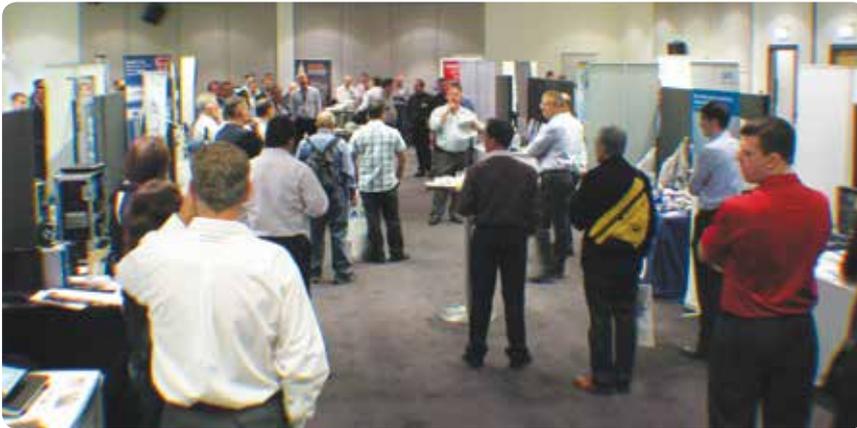
Cocktail hour sponsored by Perth Oil & Gas Expo, (Diverse Exhibitions) and Transtech combined with the door prize draw sponsored by Zedflo, IA Systems, Samson, Teksal & Aquip gave a fitting run down to a very successful event.

Thanks to the sponsors, exhibitors who sponsored great prizes, support and cooperation from every exhibitor, all the visitors and especially the IICA Perth Committee members who assisted throughout and on the day.

We look forward to offering a great selection of Technical Nights and Site Tours for 2014. Be sure to book early for the Perth Tech Expo as we sell out very early!

Huge thanks to my committee for all their help and assistance throughout the year and I wish all our local members and their families a wonderful Christmas and new year season.

**Kevin Barnes**  
IICA Perth Branch Committee  
wa@iica.org.au



## Melbourne Branch Report

It's been a busy year for the IICA Melbourne Branch holding several events including Technology Expos in Altona, Bairnsdale, Ballarat & Albury/Wodonga and technical nights in the Melbourne metro area.

In July, the IICA Melbourne Branch held its annual seminar, this year focussing on the topic of Cyber Security as well as other stimulating state of the art automation topics. A host of subject matter experts enlightened attendees of the impact of cyber security requirements on our industry as well as providing interesting and advanced automation case studies during their presentation.

Special thanks to event SPONSORS: Schneider Electric, iOpen and Cromarty.

Melbourne Branch also recently hosted members, guests and sponsors to a 70th Anniversary Dinner at William Angliss Restaurant. "Scientitian" entertainer Ben McKenzie ensured the evening bounced along with amusing stories, while guests enjoyed the delicious food prepared by expert chefs and apprentices. The evening included a round of process control "celebrity heads" with one of our own, Ian Gibson, being honoured amongst the celebrities (see photo). Frank Schrever provided

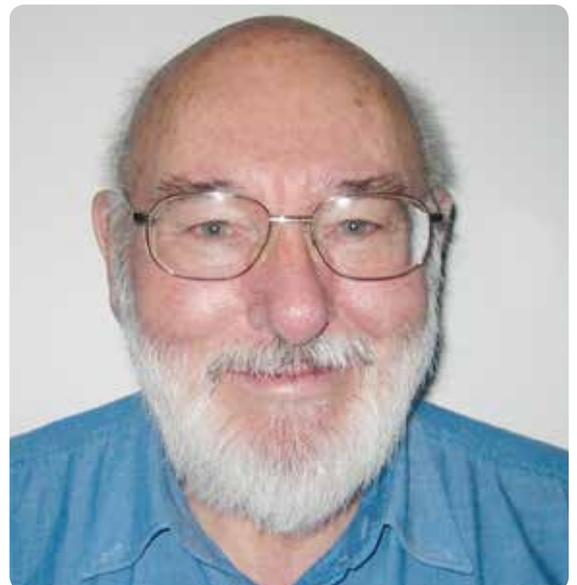
a historical reflection, and the evening was completed with a rousing round of "Happy Birthday IICA". Huge thanks to sponsors LogiCamms, Rockwell Automation & Zigsense for supporting this event.

The branch has welcomed Josie Minutillo to the team as IICA Melbourne Branch Secretary and Josie will be running all the Victorian events for 2014. Josie can be contacted by events@iica.org.au or m. 0425 824 508

The 2014 events schedule has been finalised and the following locations have been locked in for the Tech Expos: Leongatha, Mildura, Swan Hill, Colac, Melbourne (Croydon) & Wangaratta. Please see later in this newsletter for a complete list of dates for all the IICA events nationally.

If you haven't received your 2014 Booking Form, please email Josie events@iica.org.au and we will email you a copy.

Finally thank you to all the Melbourne



**Ian Gibson**

Branch Committee for their time and efforts in helping run the branch so successfully.

Best wishes to the Melbourne Branch members and their families for a safe and happy holiday season.

**vic@iica.org.au**

## Newcastle Technology Expo Attracts Large Crowd

The IICA Newcastle Technology Expo was held on Wed 25 Sept @ Wests Leagues, New Lambton, Newcastle. Over 80 visitors and 55 exhibitors attended which was a great result. As usual this event is well attended by quality visitors from the local industry such as Moly-Cop, Hunter Water, Coal & Allied, CSIRO, Downer, Orica & TAFE to name just a few.

Newcastle Branch has scheduled their Tech Expo to be located at the Central Coast on May 2014.

**Pictured right: Newcastle Tech Expo 2013**



## Adelaide Branch Revitalised for 2013

The IICA Adelaide Branch has been revitalised in 2013 with the assistance from a new Chairman, Greg Garrihy; the employment of a dedicated Secretary, Lisa Tomblin and Fellow Member, John Woortman.

Greg, Lisa & John have all worked solidly with getting some momentum going with the branch and have succeeded with the completion of a very successful Technology

Expo in August. With a record number of exhibitor companies representing their products and a record number of visitors, they are now looking for a bigger and better venue for next year.

The Adelaide Branch is currently planning their 2014 local event schedule and all the local members will be notified by email in plenty of notice. The Adelaide Technology Expo is scheduled for August 6th, 2014.

If you are interested in joining the Adelaide Branch Committee for 2014, please send an email to Greg Garrihy [ggarrihy@nem.net.au](mailto:ggarrihy@nem.net.au) or give him a call to find out more about the role: 0422 114 710

We wish all our South Australian members and their families a happy and safe Christmas and New Year. We look forward to seeing you in 2014.

### Welcome to IICA New Members 2013

#### Members

*Terry Anain*

*Bruce Anderson*

*Riste Avramoski*

*Andrew Biner*

*Robert Boschetti*

*Ritesh Deo*

*Dolores Dimalanta*

*Chris Freiberg*

*Bruce French*

*Barry Gamble*

*Harit Jani*

*Pallavi Joshi*

*Stanley Kelsen*

*Luis Liberio*

*Anthony Llewellyn*

*Lev Mints*

*Neel Mistry*

*Jason Monzu*

*Benjamin Mossop*

*Damian Muir*

*Adrian Porter*

*Scott Powell*

*Willem Robinson*

*Howard Ryan*

*Gerry Slinger*

*Lakshma*

*Somasundaram*

*Carlo Sportiello*

*James Walker*

#### Student Members

*Arezou Afiat*

*Khurram Ali*

*Wilmer Ariza*

*Chernoh Bah*

*Simon Chiu*

*Daniul Chowdhury*

*Scott Duffield*

*Naga Veera Mohan*

*Kumar Ganavarapu*

*Aydin Javadi Abhari*

*Kalidu Jayasuriya*

*Adam Keyes*

*Haissam Khan*

*Evgeny Klyuev*

*Sofia Lee*

*Liam Murphy*

*Lenier Villalba*

*Paul Wilson*

**It's easy to join! Memberships start from \$185 inc GST**

email: [membership@iica.org.au](mailto:membership@iica.org.au) or apply online: [iica.org.au/members/apply/](http://iica.org.au/members/apply/)

Full-Time Student Membership is FREE

## *IICA Hosts Double Date in Tasmania*

Early September saw the IICA Technology Expos being run in Hobart & Devonport.

The Hobart Wrest Point Boardwalk Gallery, with views of the beautiful Derwent River in the background, saw 55 Visitors come to see what the 34 Exhibitors had on offer.

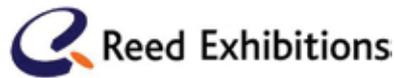
For the first visit to Devonport, the Waterfront Function Centre was used and once again the 30 Exhibitors and 37 Visitors were treated to river views.

Overall, a successful trip to the Apple Isle, with good feedback from both exhibitors and visitors.

IICA will travel to Launceston on the 19th Feb 2014 – Book NOW!

[tas@iica.org.au](mailto:tas@iica.org.au)

## *NMW IICA Pavillion 2014*



Exclusive OFFER to IICA Members for NMW Sydney – May 2014 – Exhibit for nearly 50% less!

Reed Exhibitions will be hosting National Manufacturing Week at Sydney Showground, Sydney Olympic Park from 13-16 May 2014.

The IICA will be supporting a pavilion within the Process, Control & Instrumentation Zone and a discounted turnkey package is available exclusively for IICA members.

The IICA Pavilion gives members the opportunity to exhibit at NMW, at a rate that is nearly 50% less than the usual standard space.

The IICA members package includes everything you need, including power, signage and furniture.

The Process, Control & Instrumentation Zone (formally known as ICEX) offers buyers and specifiers the opportunity to source products from the following product categories:

Analysers/Analytical Equipment, Data Acquisition Equipment/Loggers, Drives, Fieldbus, PLC's, Pipes, Hoses & Fittings, Plant Monitoring Systems, Process & Control Systems, Sensors & Instrumentation, Valves & Actuators, Software Solutions, Transmitters & Transducers, Test & Measurements, Tanks & Vessels, Temperature & Pressure, Flow Measurements.

For more information or to reserve you place on the IICA Pavilion, please contact Cory McCarrick on 02 9422 8720 or [cory.mccarrick@reedexhibitions.com.au](mailto:cory.mccarrick@reedexhibitions.com.au)

## *As I See It – WNIPT*



Recent feedback from industry leaders paints a picture of a really tough automation, control and instrumentation (ACI) market. Projects in the process industries, certainly mining,

have been deferred or mothballed, and the contraction in manufacturing continues. Both the process and manufacturing marketplaces are demonstrating no growth.

As a consequence of the drop in global demand for coal and steel, the uncertainty surrounding the future of the carbon tax, and the minerals resources rent tax (MRRT), the mining industry has postponed or cancelled many projects. Lack of direction in government spending on process infrastructure such as water treatment and sewage plant upgrades has resulted in a sharp drop in public projects. Added to this is the lack of investment locally in new chemical, food, brewing, pharmaceutical plants – much of the investment is offshore. In fact manufacturing has been decreasing since the GFC recovery in 2010.

The result for the ACI industry is ongoing servicing for maintenance at a bare minimum level, but no growth. Is this situation necessary?

It is no secret that the automobile industry continues to struggle, requiring more and more government support. Most of the pharmaceutical and food packaging industries have offshored, as has our textile business. Even our transport industry is under scrutiny with under-investment in maintenance of tankers, and probably other vehicles as well.

There is an interesting maxim that should be nailed to every plant manager's door: "less input; more output". Every plant, both process and manufacturing, should be driving towards reducing inputs – energy, labour, materials, wastage – and increasing outputs in the form of products and services.

This can't be achieved without investing in innovation. Australian industries need to innovate, modernise to become faster and cheaper, and to deliver the highest quality output. The culture of 'if it ain't broke, don't fix it', needs to change.

Management needs to accept that to survive in this market in the future will require a 'disruptive strategy' – a strategy, like the internet, that radically changes the way things are done. Workgroups reporting to the Board need to be established to explore what new and innovative products, solutions and services are available, and have been tried and tested in other competitive markets.

In process plants it is imperative to understand what is being measured, how accurately and how reliably, and what is not being measured that should be. There

are so many new measuring devices, boasting new materials to withstand harsh environments, digital communication (fieldbuses), self-validation (improved accuracy), wireless connectivity (for those hard-to-cable installations), that can provide more measurement information to help optimise the processes. This data can then be processed faster and more reliably by the next generation of software, PLCs and DCSs, using smart valves, actuators, VSDs to manage each process.

But there is no gain without pain. Implementing a culture of change requires leadership from management, capital investment approved by the Board, investment in technician training, collaboration with the vendors, and a strong will to innovate.

The IICA can play a significant part in this innovation by ensuring that all practitioners are certified and graded, and that the appropriate training courses are accredited. It is not beyond the realms of imagination that these 'disruptive strategies' around innovation create a demand for locally qualified engineers and technicians, and that our universities and TAFEs can profitably train the necessary skilled people.

If we don't adopt new technologies soon, we will end up selling our resources and importing our skills and finished products.

**IICA Sydney Branch Chairman  
& Federal Committee Member,  
John Immelman**

# IICA Sydney Student Award Work Experience Program 2013

A continuing initiative of the IICA Sydney Branch is the IICA Student Award Work Experience Program.

Each year, the IICA Sydney Branch offers awards to the University of Technology (UTS) & Petersham TAFE.

As part of their prize, we offer 1-2 days of work experience at one of the following supporting companies: Bürkert Fluid Control Systems, Emerson Process Management, Weidmüller Australia & Schneider-Electric.

For 2013, the winners of the UTS/ IICA Prizes were Neeldutt Mistry (Electrical) & Christopher Vartuli (Mechanical).

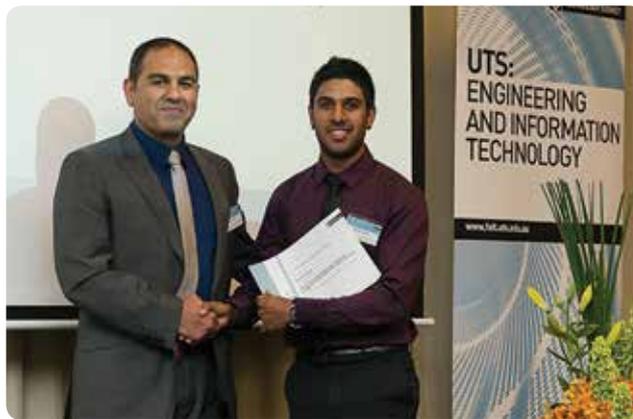
Congratulations Neeldutt & Christopher!

Would your company like to be part of this fantastic initiative?

Please contact Julie Meynell on nsw@iica.org.au for more information.



**Congratulations  
Christopher Vartuli  
UTS Student**



**Congratulations  
Neeldutt Mistry  
UTS Student**



## President's Report (continued)

Federal Council noted the progress update of the work that the IICA Working Party has been engaged with and agreed that this is an initiative that will raise the IICA's visibility, and allow the Institute to be seen as a leader in this area.

### **Compliance with International Aerospace standard AMS 2750 - Update**

Development of specific training courses for those groups that fall under the mandatory compliance requirements under the International Aerospace Standard AMS2750 has been the goal of this IICA initiative. This course development is now underway.

The development has secured the active support of CASA (the regulatory body for all commercial and civil aircraft), industry companies like Qantas and others from IICA and outside, as well as from the aerospace industry professional association A/AA (Aviation / Aerospace Australia) that lobbies governments on behalf of the aerospace sectors, as well as from MSA (Manufacturing Skills Australia), the Victorian Government and its Accreditation Agency. The courses are being developed to become nationally accredited and placed on the National Australian Register of Accredited Courses.

The aim is for them to be ready for trialling in early 2014.

An online registration website is also in the process of development by IICA with input from other relevant organisations. The aim is to allow the registration on the website of companies that successfully complete the AMS Courses.

This website will allow transparency to end users wishing to hire contractors, suppliers of thermo couples and calibration services for example, plus all others who will want to publicly demonstrate their AMS Compliant status. The website will act as a self regulatory market place exchange mechanism for those companies and individuals who choose to use it to enhance their businesses both in Australia and also off shore.

There are no existing AMS Training courses in Australia. IICA has taken the proactive lead in addressing the gap in this country.

Once the course and the Website are ready, there will be widespread awareness raising by the IICA and its many partners in this project, about exactly what, how, who and why the AMS Industry short courses have been developed and should become a 'must attend' for all the many diverse companies and individuals that fall under the AMS Regime.

### **In Conclusion**

As this, our 70th Anniversary year, comes to an end, the IICA will strive for each of its branches to remain as a relevant point of contact for our industry members by offering appropriate and pertinent events. We will encourage each branch to have a dedicated secretary to ensure the lion-share of the administration doesn't fall solely on our dedicated volunteers.

I would like to thank our Federal Committee for their support and assistance throughout the year and to all the Branch Chairs, committees and secretaries for their help running their local branches. I would also especially like to thank Frank Schrever (Treasurer), Cathie Tynan (Federal Secretary), Maruta Rodan (IICA Executive Officer) & Leigh Hart (Memberships Officer) who all work tirelessly to assist in running our association professionally and efficiently.

And to you, our members, from students to individual members to our corporate members who all support us generously and consistently. I wish you all a very merry and safe Christmas and new year holiday season.

**Jason Freyling  
IICA Federal President**

## ***IICA Corporate Industry Partners 2013***

ABB Australia  
 AIE  
 AMS Instrumentation & Calibration  
 ANSTO  
 APCS - A Division of NESS Security  
 Apex Optimisation  
 Aquip Systems  
 Auto Control Systems  
 Automation Warehouse  
 Axellent Automation and Safety  
 Belden Australia  
 B-R Controls  
 Bürkert Fluid Control Systems  
 CAC Gas & Instrumentation  
 Centralian Controls  
 Challenger Institute of Technology  
 Conlab  
 Control Components  
 CSE-Semaphore Australia  
 Daanet  
 Daesim Technologies  
 Dart Instruments  
 DEHN + SOHNE GmbH + Co.KG  
 Dwyer Instruments  
 EDAC Electronics Australia  
 Elpro Technologies  
 Emerson Process Management  
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 Fluke Australia  
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 IndustrySearch.com.au  
 Integrated Automation  
 Invensys Process Systems  
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 LogiCamms  
 Macquarie University - Dept  
 Electronic Engineering  
 Manuflo  
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 Automation  
 Moore Industries  
 Mount Druitt College of TAFE  
 MTL Instruments  
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 Network Automation  
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 Omron Electronics  
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 PACE Engineers  
 Pacific Rim Technical Services  
 PDC Group (Aust)  
 Pepperl + Fuchs (Aust)  
 Phoenix Contact  
 Powerflo Solutions  
 Process Control Services  
 Process Instrument Services  
 Prochem Pipeline Products  
 Pulse Technologies  
 Pyrosales  
 RMIT University  
 Robert Bosch (Australia)  
 Rockwell Automation Australia  
 Rotork Australia  
 Rototherm Australia  
 Royal Australian Mint  
 SAGE Automation  
 Samson Controls  
 Schneider Electric (Australia)  
 Security Infrastructure Solutions  
 Sick  
 Siemens Ltd  
 Sudel Industries  
 Supplied Solutions  
 Sustainergy  
 Swagelok WA, SA, NT  
 TAFE SA - Electrical and  
 Refrigeration  
 Techinspect  
 TECHRENTALS a Division of TR  
 Teksal Controls  
 Temperature Controls  
 Territory Instruments  
 Thermo Fisher Scientific Australia  
 Thermon Australia  
 Tracerco Ltd  
 Transtech Electronic Controls  
 Transtek  
 VEGA Australia  
 Weidmuller  
 WIKA Australia  
 Yokogawa Australia  
 Zedflo Australia  
 Zi-Argus



## ***IICA National Events Calendar 2014***

For full price list, please email Cathie  
 admin@iica.org.au

- Launceston (TAS) Technology Expo  
19 February 2014
- Leongatha (VIC) Technology Expo  
13 March 2014
- Bathurst (NSW) Technology Expo  
26 March 2014
- Central Coast (Gosford) (NSW) Technology Expo  
7 May 2014
- Brisbane (QLD) Technology Expo  
28 May 2014
- Mildura (VIC) Technology Expo  
10 June 2014
- Swan Hill (VIC) Technology Expo  
12 June 2014
- Sydney (Western) (NSW) Technology Expo  
25 June 2014
- Gladstone (QLD) Technology Expo  
16 July 2014
- Adelaide (SA) Technology Expo  
6 August 2014
- Townsville (QLD) Technology Expo  
20 August 2014
- Colac (VIC) Technology Expo  
28 August 2014
- Sydney GOLF Day  
4 September 2014
- Melbourne (Croydon) (VIC) Technology Expo  
16 September 2014
- Perth (WA) Technology Expo  
16 October 2014
- Sydney (South East) (NSW) Technology Expo  
29 October 2014
- Wangaratta (VIC) Technology Expo  
11 November 2014

## ***Contact details***

If you would like to provide  
 feedback on this newsletter,  
 please call 1300 781 715 or  
 email admin@iica.org.au