



Delhi
Section

The International Society of Automation

ISA(D) NEWSLETTER

Volume II-Issue I



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ISA(D) NEWSLETTER

April-June 2012

Volume II - Issue I

From the Desk of President:

I am glad to release this fourth issue of the News letter of ISA Delhi Section before the members after a glorious previous year with grand success of two mega events PNID-2011 and POWAT-2012 and First Essay competition organized by ISA(D).

I am thankful to ISA(D) for having confidence in me and selecting President once again.

I certainly wish that with the proactive participation of all our executive committee members and support of our ISA-D members, we can organize many more Technical Events in up-coming year.

I would like to complement Mr. Manish Kumar for his sincere efforts in bringing this issue of this ISA-Delhi Newsletter.

This year also we should gear up to organize many more Technical Events and monthly meets for knowledge exchange and networking among automation fraternity.

Our various leaders of ISA (D) executive committee team had worked very hard to bring before you big events, like PNID-2011 & POWAT-2012. It had been our continuous endeavor to provide value to our members. I personally thank each one of you for your cooperation and understanding. I urge each one of our executive committee members to shoulder their responsibility to make this year mega events a grand success and maintain their kind support and solidarity to our leaders to take our section the best in the world.

I also take this opportunity to thank all the seniors for their kind guidance and support.

With best wishes,



Prasenjit Pal
(Hon President - ISA Delhi Section)



Message from Secretary Desk:

It gives me an immense pleasure to write a message through this newsletter and thank ISA-D members for selecting me Honorary Secretary of ISA-D.



With active participation of all executive committee members and support of seniors I wish that we will be able to organize many more Technical Meets and Mega Events like PNID and POWAT in the upcoming year 2012-2013.

We always progress in Technology development through sharing of knowledge, experiences and challenges faced by end users in various industrial sectors. ISA provides us the best platform for knowledge sharing in control and automation application in wide varieties of industries starting from Oil wells to Refinery Petrochemicals, Thermal to Nuclear Power, Chemicals & Fertilizers, Textile, Paper, Ferrous & Non-Ferrous, Metallurgy, Pharmaceutical industry.

We have to increase performance and reduce cost & time implication to remain globally competitive under safe and green environment. This cannot be achieved unless we have a common platform for knowledge and technical skill sharing. Mega events like PNID and POWAT organized by ISA-D provides a common platform for end users, consultants, vendors, manufacturers, EPC contractors from various sector of industries to share their versatile experiences and knowledge to face the challenges in the field of Instrumentation and Control Automation for the safe and efficient operation of industries.

I firmly believe that in the upcoming years we will organize many more such events on technology developments for various industrial sectors in the field of Control and Instrumentation with incessant supports of all our active ISA-D members and senior members.

Best Regards,



Ashish Manchanda

(Honorary Secretary – ISA-D)

UPCOMING MEGA EVENT

PNID – 2012, one day Conference and Exhibition on Petroleum and Natural Gas Industries Domain in Hotel “The TAJ PALACE”, Sardar Patel Marg , New Delhi on 05th October 2012.

Annual General body Meeting - ISA Delhi Section

The Annual General body Meeting of ISA Delhi Section for the year 2011-12 was held at Golf Club, Sector-38, Noida, Uttar Pradesh on April 28, 2012. AGM started with welcome address by Mr. Anil Mishra, Secretary ISA Delhi, to the members and their family. He called the meeting to order and requested Mr. Alok Shrivastava, President ISA-Delhi section to take over the proceeding of meetings.

President ISA-Delhi Section, Mr. Alok Shrivastava thanked all the members of ISA Delhi Section for their help and immense efforts in making ISA-Delhi vibrant and progressive. While addressing the gathering, he highlighted the achievements of ISA-Delhi Section in the year 2011-2012 e.g. conducting regular monthly meeting of ISA-Delhi Section, Senior Leaders – Automation Summit at Hotel Lalit on 23.07.2011, Mega Events PNID-2011 at Hotel Taj on 26-09-2011 and POWAT-2012 at Hotel The Grand on 13th & 14th Jan-2012, outstation meet at Jim Corbett National park, Essay Competition for Power Professionals.

Mr. Anil Mishra during his Welcome Address



ISA-D Executive members during AGM-2012



Mr. Anil Choudhary, Treasurer ISA-Delhi, briefed about the present financial position of ISA-Delhi and presented the balance sheet for the year 2011-2012 to the members. The balance sheet was accepted by all the members with voice.

Mr. Alok Shrivastava requested Mr. Rajeev Khanna, Election Officer to start election proceedings. Mr. Rajeev Khanna informed the General Body present that since there is one nomination for each post, all the nominated members stand elected unopposed. He read all the names of the nominated members in front of General Body members and declared them winners.

Out-going President of ISA, Delhi Section Mr. Alok Shrivastava thanked the members for their help in making all the events of ISA, Delhi Section a grand success. Mr. Shrivastava also congratulated the new President Mr. Prasenjit Pal and new executive committee team and also wished them good luck for the new assignments as ISA Delhi Executive Committee members for the year 2012-2013.

Mr. Alok Shrivastava during AGM



Mr. Anil Choudhary briefing financial position



Mr. Prasenjit Pal new President ISA, Delhi Section thanked the executive committee and members of ISA Delhi Section for showing their confidence in him and assured that good work on ISA-Delhi platform shall be maintained as in the previous years.

Executive Committee – 2012 & 2013



Mr. S K Dhawan presenting Mr. A K Singh with bouquet



Prizes of Essay competition on topic “Indian Power Sector – The Issues and Challenges of Skill Enhancement/ Upgradation of Power Automation Professionals” were distributed by ISA-Delhi section to the winners Mr. Rahul Kapoor (1st position) from Valdel Engineers - Noida, Mr. Dipak Nath (2nd Position) from DCM Shriram Fertilizer & Chemicals Ltd., and Mr. L. Rajagopalan (3rd Position) Fluor Daniel India Limited.

Prize for Quiz competition was also given to Mr. Rakesh Jaiswal of BHEL – Noida.

Mr. Rahul Kapoor winner of Essay Competition



Mr. Dipak Nath winner of Essay Competition



Mr. Ritesh Kumar Jaiswal winner of Quiz Competition



Audience during ISA-D AGM in Noida Golf Club



The beauty of the occasion was enhanced by the presence of family members zooming in with fanciful creation of head, heart and mind and their active participation in eye catching activities, fun filled games, songs, dance. All the members and their family enjoyed the mouth watering snacks and sumptuous dinner followed by colorful Magic and Musical show.

The AGM ended with vote of thanks by Mr. Prashant Patil, past Program Chair person, ISA-Delhi Section. He thanked all Senior ISA members, past President and all members for being present and electing new executive team for year 2012-2013.

ISA Family members enjoying ISA-D family function



Indian Folk dancer performing in ISA-D family meet



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ANSWERS TECHNICAL QUIZ – 03

1.) What is UNIVAC?

Ans. UNIVAC stands for Universal Automatic Computer.

2.) What CEMS stands for and how it is important for Environment Protection?

Ans. CEMS stands for Continuous Emission Monitoring System. They are important for Environment Protection as they draw the attention of an engineer sitting in control room to keep attention to the emissions of the pollutants in the air and making sure they're within legal limits.

3.) What is HAZOP?

Ans. HAZOP stands for Hazard and Operability.

4.) What is AIT (Auto Ignition Temperature)?

Ans. The Auto Ignition Temperature is the lowest temperature at which the fuel will spontaneously ignite in a normal atmosphere without an external source of ignition.

5.) What is SSPRT and SPRT?

Ans. SSPRT stands for Semi Standard Platinum Resistance Thermometers.
SPRT stands for Standard Platinum Resistance Thermometers.

Executive Committee meeting:

The first meeting of the newly inducted Executive Committee was held on 11th May'2012 (Friday) at Holiday Club, Panchseel Enclave, New Delhi.

Following Points were discussed among all the executive committee members and finalized during the meeting:

1. Formal Approval of Revision of ISA Delhi Section Annual Subscription to Rs. 3000 for each member
2. Roles & Responsibilities along with their planning for future progress of ISA-Delhi section of each Executive Committee Members were discussed.
3. Roadmap-2012 Including Technical Monthly meet plan
4. Mega Event: PNID/POWAT
5. Membership drive and strategies to improve membership of ISA-D.
6. ISA Delhi Section Web site status and development
7. News letter publication
8. Education /student section startup strategies
9. Fund generation and position

Mr. Anil Mishra, ISA-D-2011-2012 Secretary handed over all the ISA-D official documents to Mr. Ashish Manchanda new Secretary ISA-D-2012-2013.

Target of ISA Delhi for 2012-2013

During the last AGM, newly elected President proposed the following goals for the coming year.

- ✚ To organize a symposium on Petroleum & Natural Gas Industrial Division (PNID).
- ✚ To organize a symposium on Power Automation Technology (POWAT).
- ✚ To increase the efforts for a strong student chapter and have more interaction with academicians
- ✚ To increase the number of members and develop virtual leaders.
- ✚ To communicate regularly with members and other stake-holders related to instrumentation fraternity through newsletters, active web-site, user forum etc.

The difference between a moral man and a man of honor is that the latter regrets a discreditable act, even when it has worked and he has not been caught.

- H. L. Mencken

Indian Power Sector – The Issues and Challenges of Skill Enhancement/ Upgradation of Power Automation Professionals

By: Rahul Kapoor

Abstract

The Indian Power Sector is huge with 1.20 billion users and ever-growing industry with huge appetite. Though continuous increase in production, there is always a big gap between demand and supply. Why? Are Indian professionals related to power industry not aware about it? Aren't they aware with the developed technology across the globe? Why government and companies are not investing in their people to enhance their skills to compete their counter parts across the globe & what can be done to sharpen their skills?

Since inception, major power production companies are always hesitant to use latest automation techniques which more advanced countries have already implemented. India power sector is facing its consequences in terms of power theft, spark incidents on roads and not getting the benefits of remote operation & less manpower requirement and identification of failure problems. Professionals lack exposure and didn't experience latest technology which could have prevented above problems..

Awareness about technologies which are being globally accepted such as Smart grid, Training of latest software ETAP, SKM Power must be provided by organizations and power producing companies. Engineering students should also be benefited from such training which can be organized by guest faculties from industry and on-site training sessions.

Government can play a significant role in this area. It can impose a compliant to companies that every professional working at a responsible position either in private sector or PSU, should undergo a training/ workshop session related to their working field or certification of qualifying exam within certain no. of years of experience to continue his/her profession in power sector.

Government can perform its role by not only setting compliance but also opening training institutes and knowledge centers which are easily accessible. One such example is National Power Training Institute (NPTI) which provides various courses related to power sectors. Private institutes should also be encouraged & can be partners with major players of power production industry. Such institutes should also befriends with leading collages and universities to through awareness about technology in curriculum of students.

It Is Very Easy To Defeat Someone, But It Is Very Hard To Win Someone.

- John Keats



Dabhol Power Plant

Companies should also set aside a budget for developing their employees and train them for developed latest technologies in addition to the one which is already installed on-site. A learning center plays an important role in making a change in organisation.

Unlike software industry the professional certification and courses are not as easily available in automation field, which one can join in downtown and be expert by practicing in comfort his own apartment. Till learning centers will not come forward either government or private setup and industry involvement things can not be improved, only thing which can get better will be “the brain drain”.

Various practices should be developed and implemented as soon as professional becomes a part of organization. Some of them are listed below:

- Introduction seminars about automation/ technology should be planned and presented by experts in their area.
- New joinees should get training on the job while executing a real job with assistance of subject matter.
- Site exposure is a must and different kinds of site’s visit and exposure is must for developing confidence.
- Vendor shop visits are also essential apart from sites, as it develops a sense of integration from workshop to site and make aware about latest technology.
- Skilled Mentor can play a significant role and direct one to the correct path of learning cycle. He can involve one in his live project and dictate you through various phases of project.

- International standards and standardizing bodies also have their regional centers which one can join and get benefit of updated standards and conferences and remain up to date.
- Proper communication channels/ modes must be developed among senior and junior level hierarchy so that problems faced by junior members should come in front of senior people and could be resolved by their help. In this way learning can be improved for both members.
- Weekly or monthly meeting should be planned which must be on the earlier incidents/ accidents happened at various national/ international sites. “What Went Wrong” must be elaborated during this activity and ask all the members suggestions about what could have been done to prevent that incident. In this way good lessons can be learnt by all the members about safe operation and a sense of safe activities in daily life can be developed in their minds.



DCS Simulator

In social networking site –Linkedin, one can search people in their own discipline (in India and abroad) and get advise what & where he should do to get specialization in his/her field and can also do related causes which are in high demand and can benefit their own organisation in which they are working.

- For every incident/ accident root cause analysis shall be done & the same shall be recorded for future reference. FIR (First Incident record) and FAR (First Action Report) shall be shared as a part of lessons learnt so that suitable preventive and predictive actions can be taken in similar situation. Also, incidents which have a probability to occur frequently shall be made a part of standard operating procedure.

Companies can encourage its employees a reward in terms of position or revised remuneration if one clears successfully any certification which can benefit both employee and employer. There are a lot certification available with emphasis on certain specialty areas.

It is mutual effort by company and a professional if one is eager to enhance his/ her skills in their profession. In today's life resources are available around us, we just need to realize and find one who can direct us in right direction. At the same time employers must provide an environment to its people with freedom to access resources. Things are changing and changing at a very good rate, but we shall take initiative to transform things around us.

Appeal from ISA Delhi Section

1. All members, sponsors, technical experts are invited to contribute in making this quarterly newsletter more informative by sharing their technical expertise in the form of technical literature on latest technology for the next quarter newsletter.
2. Members can provide the Answers to the Quiz Questions by sending an email to isadelhi.org@gmail.com, with CC: manish.kumar@eil.co.in. Early correct answers will be rewarded and answers with names will be published in next Newsletter.

TECHNICAL QUIZ-04

1. What does "TDR" technology stand for?
2. What does "ITK" stand for?
3. Which European Standard (EN) is for Electromagnetic Compatibility?
4. What does "LAS" stand for?
5. Which IEC standard and section is followed to test the instruments suitability for its operation in humid environment?

Contact Us

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