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ISA-B KONNEKT

By the Automation Professionals. For the Automation Professionals

Newsletter



The International Society of Automation (ISA) is a non-profit professional association founded in 1945 to create a better world through automation. ISA advances technical competence by connecting the automation community to achieve operational excellence. The organization develops widely-used global standards; certifies industry professionals; provides education and training; publishes books and technical articles; hosts conferences and exhibits; and provides networking and career development programs for its members and customers around the world.

ISA Bangalore section (ISA-B) is one of the 9 active sections of District 14, which comprises of India, Japan, Singapore, Korea & Malaysia having a total membership of about 1200 members. With a total membership of over 200 members, ISA – Bangalore section has been consistently supporting and promoting Automation across Industry and Academia.

ISA Bangalore section works towards -

1. Keeping industry updated on latest technology.
2. Bridging the industry-institute gap – Mentoring 14 student sections enables faculty and students alike to maintain close interaction with industry and grow professionally.

President's Message



Mr. K Srinath
President- ISAB

Dear Members & Professionals,

Greetings

It is my pleasure to connect with you all again through this third quarter newsletter of my presidential term 2022-23.

As I pen this, first happy to see membership growth in ISAB becoming the **2nd largest section globally** with 324 members. This is a major milestone for Bangalore Section and Spain and Calgary follows us with 322 and 313 members.

On 28th April, International Automation Professionals Day was celebrated across the world and making us feel proud of this profession and the way this community of professionals has been contributing in creating a better world through Automation. ISAB celebrated this with a gathering of members with an in-person Tech Talk organized on “War Room strategies, Optimisation and IOT” on 22nd Apr.23 by Dr Prabhakar Sastri.

During this period there were multiple activities

- **i-ACT 2023** was successfully organized in B.M.S Collage of Engineering, Bangalore on 31st Mar'23 and 1st Apr'23. This two-day mega-event, which had over 9 collages and over 200 participants, was organised by several students. The event had a variety of interesting events for the students, and it was wonderful to see sponsors and representatives from the industry approach the students to participate in conversation. This was an excellent demonstration of industry and academic collaboration. Congratulations to everyone.
- TechTalk Session on “Introduction to ISA Connect” by Ms Marybeth Ramey on 1st Feb'23
- TechTalk Session on “Intelligent Automation Applications using ROS 2” by Mr Lentin Joseph

I'd like to use this opportunity to let you know about a significant Industry Next event that will be held at the NIMHANS Convention Centre on 21st and 22nd July 2023 "**Accelerating Digital Transformation in Industry**" is the theme of the event's programme. To make this programme successful, we look forward for active involvement and volunteering.

Our annual general body meeting, during which the new office holders and executive committee will be chosen, will also take place in the month of June 23. We anticipate your enthusiastic involvement and volunteering when the dates will be officially available shortly.

My executive council and I am eager for your participation in and ongoing support of this professional platform as we connect, contribute, and grow.

Thanking you

K SRINATH
President ISAB, 2022-23

Editor's Message



KUMUDA. S
Newsletter editor and Publications,
Senior Member, ISA Bangalore Section
ISA Membership No: 000033659369

Greetings!!

Dear Readers,

We now announce the publication of our third issue of the ISA-Bangalore sections newsletter, KONNECT, for the period 2022–2023. You can learn about the ISA-Bangalore section activities through this newsletter.

We were able to successfully complete several of our activities thanks to Mr. K. Srinath, our current ISA-B president, as well as the assistance and leadership of Senior ISA members, the EC-team, and the entire ISA-B section members.

The current issues cover a detailed report on iACT -2023 a two-day Intercollegiate Technology Festival organised by B.M.S.College of Engineering in Bengaluru with the goal of connecting participants from different ISAB student sections across different states. two articles on recent technology three tech talks, list of new ISA members, events conducted by ISAB, and many more.

For our ISA-Bangalore publication, "ISA B KONNEKT," we would like to encourage technical articles or case studies relevant to industrial automation, instrumentation, process control, etc., as well as the newest technology linked to automation sectors. Please do send in your brief profile and photo along with your article and all of our authors will be gratefully acknowledged.

We welcome your articles regularly. It is an opportunity to brush up your writing skills and share something you are inspired by or experienced in. Do also send your brief profile and photo with the article. We will acknowledge authors generously.

Many thanks to Mr. K. Srinath, Mr.Albin Manjaly, Mr. Sukumaran, and all EC members for their guidance and contributions to the content of this newsletter.

I would also like to thank all ISAB students section members for sharing their activities conducted in their respective colleges in association with ISAB.

I would also like to thank our young ISA-B student section members - Vidya Vijay Bhat (Membership ID – 0034009613), Divya Singh (Membership ID - 0034010574) and Achyutha G (Membership ID - 0034121598) for their everlasting support and contribution for the successful release of this first issue.

Lastly, I hope all of you relish our third issue and feel free to let us know if there are any topics you would like to see covered in our future issues to come. Do send in your comments/suggestions to isabkonnnect@gmail.com.



Vidya Vijay Bhat
Membership ID: 0034009613



Divya Singh
Membership ID: 0034010574



Achyutha G
Membership ID: 0034121598

ISAB Articles

1. *Cybersecurity Engineer*



John Kingsley,
Cybersecurity Chair, ISA Bangalore,
Communications Chair, ISA Safety and Security Division

ABSTRACT: The demand for cybersecurity professionals is rapidly increasing, with the demand for experts in the field growing 12 times faster than the current job market across the world and no different in India too. However, the demand for personnel specialized in operational technology (OT) cybersecurity, industrial network security, and related areas is even higher due to a shortage of such professionals.

Regarding the term OT, it is not the right one and not clearly defined and may have different meanings for different people but has become popular off lately and in general used interchangeable for ICS, DCS, SCADA, PLC etc. ISA/IEC 62443 though has defined IACS, which stands for Industrial automation and control systems, but this is more suitable to process and maybe some industries not all. So, there is not yet a single term encompassing all industry sectors and needs to be defined (of which discussion is happening at multiple forums. Till then usage of OT will only increase.

This article provides most important areas one should focus for anyone seeking to transition into an OT cybersecurity engineer role.



Read the complete article here: [Link to the article - Cybersecurity Engineer](#)

2. Condition Monitoring on a Steam Turbine



P.S.Krishna
ISAB
(Senior Life Member)

ABSTRACT: A thermal power station is a type of power generating station in which heat energy is converted to electrical energy. In a steam-generating cycle heat is used to boil water in a large Boiler to produce high-pressure steam, which drives a steam turbine. This turbine is coupled to an electrical generator.

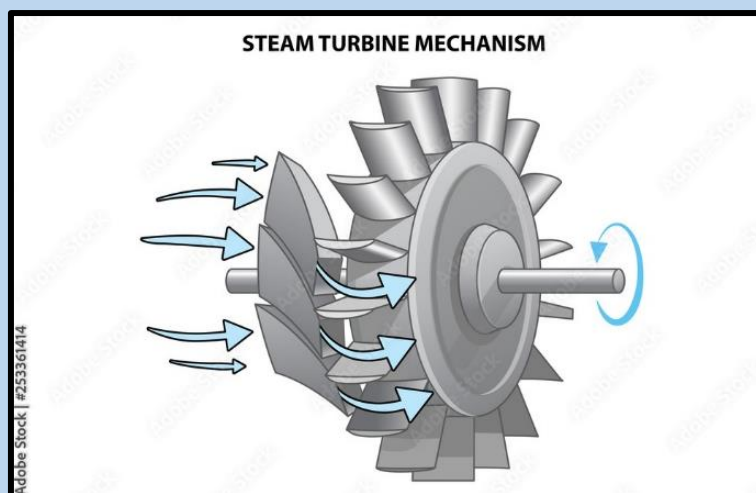
As hot, gaseous steam flows past the turbine's spinning blades, steam expands and cools, giving off most of the energy it contains. This steam spins the blades continuously, consequently the blades convert most of the steam's potential energy into kinetic energy.

This kinetic energy finally rotates turbine's blades. Since steam turbines generate rotary motion it is therefore convenient to rotate alternators for electrical power generation

Steam turbines in power generation mode, can range in size from as much as 1800 MW in nuclear plant service to less than 10MW when used for on-site power generation as part of a process plant

Role of Turbine blades

A turbine's blades are designed to control the speed, direction, and pressure of the steam as it passes through the turbine. For large-scale turbines, there are dozens of blades attached to the rotor, typically in different sets. Each set of blades helps to extract energy from the steam while also keeping the pressure at optimal levels.



Read the complete article here: [Link to the article - Condition Monitoring on a Steam Turbine](#)

ISAB

Events

1. iACT

iACT-2023 Intercollegiate Technology festival was organised for twodays by Department of Electronics and Instrumentation Engineering, B.M.S College of Engineering, Bengaluru in association with the International Society for Automation Bangalore Section (ISAB) on 31st March 2023 and 1st April 2023. The theme of the event was “Digital transformation through contemporary technologies”. This event aims to bring in students, faculties from various ISAB student sections.

The hosting college, planned for various events like paper presentations, technical competitions, hackathon, ideathon, etc and all the events were judged by ISAB professionals. This event also provided a forum for interactions between academic staff, industry professionals, and students to talk about cutting-edge technologies, sharing challenges, and to brainstorm potential solutions. ITC Food, Syneddyne Systems, Modelicon Infotech, Sunlux Technovations, ELPiS Solutions, Bangalore, Honeywell Bangalore, and others were a few of the participating industries in addition to academic institutions.





ISAB Events

2. ISA 62443: cyber security training to ABB Bangalore (Online and exclusive)

In the month of April 2023, ISA Bangalore has facilitated an online five day training for ISA 62443 Spec based cybersecurity training, between 10th April to 14th April 2023 It was conducted to suit the timing in India (9am to 6pm) and the courses are:

1. IC32 (VILT)- Using the ISA/IEC 62443 Standards to Secure Your Control Systems and
2. IC33 (VILT) - Assessing the Cybersecurity of New or Existing IACS Systems

Around 15 automation specialists from ABB had undergone the training.

Apart from this there are two more 62443 training programs

1. IC34 (VILT) - IACS Cybersecurity Design & Implementation
2. IC37 (VILT) - IACS Cybersecurity Operations & Maintenance

ISA/IEC 62443 Cybersecurity certificates are awarded to those who successfully complete a designated training program and pass a multiple-choice exam offered through the Measure Learning Testing Center.

Certificate 1: ISA/IEC 62443 Cybersecurity Fundamentals Specialist

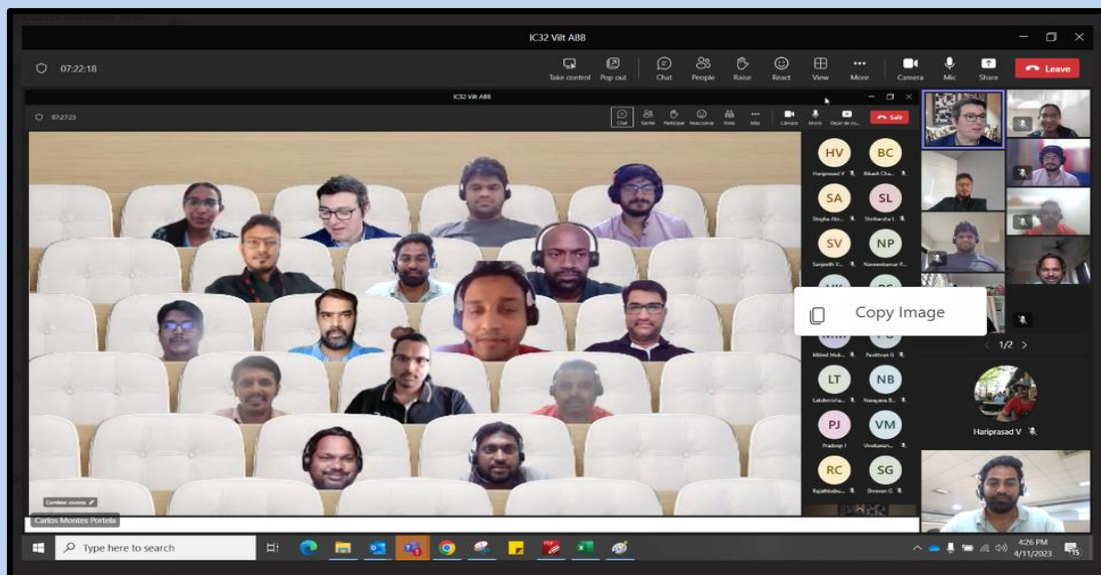
Certificate 2: ISA/IEC 62443 Cybersecurity Risk Assessment Specialist

Certificate 3: ISA/IEC 62443 Cybersecurity Design Specialist

Certificate 4: ISA/IEC 62443 Cybersecurity Maintenance Specialist

ISA/IEC 62443 Cybersecurity Expert: Individuals who achieve Certificates 1, 2, 3, and 4 are designed as ISA/IEC 62443 Cybersecurity Experts.

Apart from cybersecurity training, training for Control system integration, Alarm Management and Batch control are available. The Courses are delivered by well qualified experts.



Reported by,
R Srihari Raghavan
Education and Training (Professionals) Chair
ISA Bangalore Section

1. Tech-Talk Series



ISA
International Society of Automation
Bangalore Section

ISA Bangalore Tech Talk Series

A Framework for Digital Transformation for Faster time to Market

on 27th May 2023, 4:00 PM IST

Venue: Hotel Southern Star
40/2 Lavelle Road,
Bengaluru 560 001,
Karnataka | India



Mr. Rabindra Sah
Chief Engineer - Strategic
Projects, Global Practices at Tata
Technologies, Bangalore



Scan Here to Register

Welcome to the Tech talk on "A Framework for Digital Transformation for Faster Time to Market" where Mr. Rabindra Sah will share his expertise and insights on the Topics:

- End to end product design, validation and Manufacturing
- Basic Understanding of Product Life cycle management (PLM)
- What Various elements of PLM lead to digital transformation with Cases studies
- Platform based digital thread and seamless continuity with Product, process and resource management
- Enabler - Digital Engineering Technologies & Software, Combining Digital Manufacturing with Digital Twins.
- Digital Twin leads to productivity improvement, time & cost saving and elimination of rework, Layer of Industry 4.0 on Digital Twin.

Mr. Rabindra Sah is a highly accomplished professional with over 30 years of experience providing engineering services using digital technologies and Industry 4.0 solutions to more than 100 customers across APAC, Europe, and the USA. He spent 28 years of his career at Jamshedpur and two years at Bangalore with Tata Motors & Tata Technologies. Mr. Sah graduated with top honors in Mechanical Engineering from the National Institute of Technology in Patna, India, and holds an M.Tech in Data Science & Engineering from BITS Pilani. He was also recognized as the Best All-Rounder of his college and the Champion of Games/Sports.

ISAB Upcoming Events

2. *IndustryNext*

- *A Conference and Exhibition on Accelerating Digital Transformation in Industry*



The Organisers:



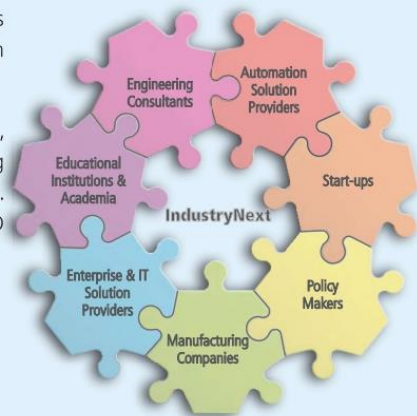
ISA-B

The International Society of Automation (ISA) is a non-profit professional association founded in 1945 to create a better world through automation. ISA develops widely used global standards, certifies professionals, provides education and training, hosts conferences and exhibits, publishes books and technical articles, and provides networking and career development programs for its members and the automation fraternity globally.

Digital transformation of processes are happening across industry verticals - discrete, hybrid, and process industries. The impact is also being felt beyond manufacturing environments such as in retail, warehousing, transportation, logistics, and telecom. Applications based on AI, ML, IIoT, Robotics, AR, VR, Digital twins, Data analytics, 3D printing, 5G are rapidly replacing all known automation technologies.

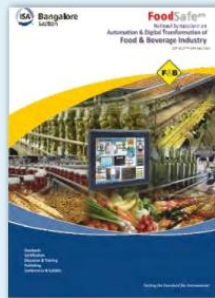
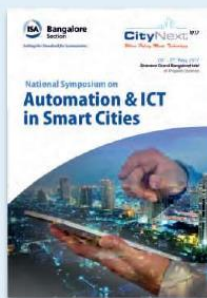
The manufacturing industry, ISA-B believes is in the initial phases of deployment of most digital technologies. Industry automation professionals, will need to assess their current status of digitalisation efforts and chart a path moving forward. ISA Bangalore section (ISA-B), which is part of ISA global organization, the fourth largest section globally and largest in Asia Pacific region will be organizing a technology event and a conference forum based on ISAB's IndustryNext theme: "Accelerating Digital Transformation in Industry", on June 2nd and 3rd 2023 at Hotel Lalit Ashok, Bangalore. This conference plans to dwell on concepts, training and end-user driven case studies that should benefit every manufacturing organisation including OEMs, System Integrators, Start-ups, and SMEs.

Bringing together all the key
STAKEHOLDERS



2011 - Wireless in Industrial Automation
2013 - Power Industry Automation
2014 - Process Safety
2016 - Food & Beverage
2017 - CityNext
2018 - PharmaNext

Past Events by ISA-B:



The Event Background:



ISA-B's forum on:

Accelerating Digital Transformation in Industry

The digital landscape all pervasive. Its impact spares none of us as rapid technology advances impact our daily life and livelihood. With innovations happening all the time, more digital technologies emerge and get introduced to solve problems. Its benefits may be obvious, several searching questions occupy the minds of automation connected professionals. And by appropriately applying digital technologies, companies across the globe have observed a marked change for the better.

As with any new technology, a deeper and clear understanding of the technology and its solutions is desired by automation professionals. Digital transformation could mean different things to people. While a company may be commencing its digital journey, others may be already deriving benefits from it. The latter may well be wanting to seek refinements and improvements in its digital path.

Automation professionals consider several facets, prior to embarking on acquiring new digital technologies and tools. They deliberate and decide on aspects, such as new software, hardware, and systems, on behalf of their organization. More critically, the considerations include goals achievable, core ideas, concepts, manufacturing objectives, rollout processes, economic viability, training needs, procurement evaluation criteria, and service challenges.

To inform, educate, and provide case studies in *"Accelerating Digital Transformation in Industry"*

policy makers, manufacturing companies executives, automation solution providers, Application providers from Information technology and Enterprise Solution providers, Engineering consultants, EPC companies, Start-ups, Educational institutions and Academia are coming together for the benefit of automation professionals. **It's good to hear from others who have been there before and connect with peers in the industry.**

Making the connection between new technologies and day-to-day operational needs can be tough. It helps to find peers who are wrestling with the same problems. It helps to find experts willing to share their experiences and talk through solutions. That knowledge sharing is a big reason why the International Society of Automation exists—to bring together professional peers. - "Renee Bassett, InTech Chief Editor"



The IndustryNext 2023 Event:

ISA Bangalore section has successfully organized several industry events in the last two decades, drawing support of its nearly 350 members.

The IndustryNext event **"Accelerating Digital Transformation in Industry"**, has kept the following areas of interest in perspective:

- Analytics, Industry 4.0, IIoT, edge computing, cloud usage, and digital transformation of operations.
- Digital landscape of OT and IT worlds.
- Digital technologies for plant maintenance, critical equipment failure predictions.
- IIoT-ready Instrumentation enabling data-driven decisions.
- Cybersecurity: Risk mitigation and preventing stealing of data and disruption in operations of plants and networks including in wireless technologies.
- Leveraging MES and associated enterprise technology software.
- Integration and contemporary wireless technologies in IIOT applications.
- Artificial Intelligence (AI) and Machine Learning (ML).
- Digital Twin and Simulation: Replicating Industrial Systems to Enable enhancement.
- 5G Transmission of Data from IIoT Devices.
- Virtualization Technologies: Visualizing Data to Improve Operations.
- Leveraging Robots, Cobots and Autonomous Mobile robots for increased flexibility, efficiency and productivity
- 3D Printing for customised production and optimising inventory of parts

For those of industry professionals and academia, desiring to delve deeper into technologies involved, two or three separate workshops/tutorials sessions are also being organized. The participants will be exposed to expert trainers who are expected to treat the subject fundamentals to expose them to a reasonable level of understanding. ISA is renowned for imparting training programs and as part of this effort, Tutorials on Cybersecurity (ISA 62443 standards) and IIOT hands-on user expose is planned as part of the event.

Event Highlights:



- Unique Conference & Exhibition, specific to Automation & Digital Transformation of Industry
- 200+ key delegates expected from industry
- Conference with 6 Sessions - spread over 2 days
- Keynote Speaker for the Industry Overview
- Targeted delegates from - Manufacturing Companies, Enterprise & IT Solution providers, Consultants, Policy Makers & Automation Solution Providers
- Support from key Industry Associations
- A vendor neutral event promoting Automation Technology

Who should attend ?

Industry:

- Discrete Manufacturing Industries
- Process Industries
- Hybrid Manufacturing Industries
- SMEs

Profile:

- Chairman/ Managing Director
- CEO/CIO/CDO/CFO/CHRO
- Directors, President, VP

- Controls & IT Executives
- Executive & Members of Engineering, Production, Continuous Improvement, Digitalisation, Quality, IT, Maintenance, Operations, Safety, R&D, Projects..,
- System Integrators in IT/OT domain
- Consultants - IT/OT domain
- Automation/ Robotics/ Industry 4.0 Enabling Technologies - Products/ Solutions and Services Suppliers
- Plant Machine and Equipment builders
- Founder and Co-Founders of Deep Technology Start-ups

Why You Should Attend ?

- Opportunity to enhance your knowledge and gain new perspectives
- Learn about key trends and gain a comprehensive understanding from the discussions
- Acquire deeper knowledge on how to create value from stakeholders more effectively and ways to recoup that value opportunities
- Platform to network and initiate/ establish a new alliance

The Program format

Conference Program

The Conference will have an interesting theme topics for each of the sessions from the industry's best minds. The topics cover the themes set out in this document. ISA-B's conferences shall all be vendor neutral events, stressing on the technology aspect.

Day-1	Inaugural 9:30 am to 11:00 am	Session-1 (4x30m) 11:15 am to 1:15 pm	Session-2 (4x30m) 2:00 pm to 4:00 pm	Session-3 (2x30m) 4:15 pm to 5:15 pm
Day-2	Session-1 (3x30m) 9:30 am to 11:00 am	Session-2 (4x30m) 11:15 am to 1:15 pm	Session-3 (4x30m) 2:00 pm to 4:00 pm	Panel Discussion 4:15 pm to 5:15 pm

Pre-Conference Bootcamp on 20th July 2023:

The Conference will have a full day concurrent workshop on 3 important topics. Please do contact for separate registration, as this event is a pre-conference workshop.

1. Cybersecurity Bootcamp (Overview of 62443)
2. ITOT Bootcamp
3. Automotive Functional Safety Overview of ISO26261

The Board of Governors



Ram Kerur

Managing Director -
Sunlux Technovation

ramkerur@gmail.com
+91 99456 52525

Ram Kerur, a senior member of ISA-B, he was the president of the section for two terms. He has been actively involved with several projects of industry 4.0 implementation from ground up in the industry. He has contributed to indigenisation efforts for the country's defense forces successfully.



Shankar Balakrishnan

Automation Consultant

shanks.july@gmail.com
+91 99001 97513

Shankar Balakrishnan, a senior member of ISA-B, President of the Section-2023-24. He has successfully handled the position of honours & Awards Chair for the section for many years. Formerly with Schneider Electric and was involved in several R&D projects. He is presently focussing on teaching & training workshops for faculty.



Ravishankar TR

Automation Consultant

travikar@gmail.com
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Ravishankar formerly with ABB and was responsible for several initiatives such as 3 years strategic plan as part of ISA Planning, Standardisation of section formats for MOU, Partnerships, TechTalks, etc. He was one of the founding Sr. member of the section since its inception.



Venkatapathy SR

Managing Partner -
Pranav 3V

svrpathy@gmail.com
+91 94480 83072

Venkat was formerly with Engineers India and ARC Group. A former President of the Section, and an active Senior Member involved in all the section activities from its inception days. Currently, part of the Education Council of ISA-B and content promotion of his Forum.



Srinath K

Vice President -
Multivista Global

president@isabangalore.org
+91 97425 51112

Srinath, the president of ISA-B 2022-23. He has been active in bringing several key initiatives to the section. He is currently the Vice President of Multivista Global and was formerly with Rockwell Automation (India & Global) and GE Fanuc. He is a subject matter expert and passionate evangelist of manufacturing Automation



Rajshekhar Uchil

Sr. Consultant -
Josts Engg

urajshekhar@hotmail.com
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Raj is a Senior Life Member of ISA-B, he has held several positions in ISA-B including President of ISA-B. Holds several positions at ISA Divisions - Director-elect at ISA Aerospace Div, Secretary - Building Automation Div, Executive Board Member - Education & Research Div, Marketing Chair at ISA-B



Girish Ayya

Mg. Director -
Avadhoot Automation

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+91 93412 56807

Girish Ayya was formerly with Yokogawa and has spear headed several initiatives in the Training area. He the present Treasurer of ISA-B



Ravi Balakrishnan

Automation Consultant

ravidaffodil@gmail.com
+91 89215 46847

Ravi was formerly with Keltron Controls and KSB MIL Controls. He is based in Kerala and actively pursues ISA's interests in the industry as well several educational institutions. He was instrumental in establishing Kochi Sub Section under ISA Bangalore. Ravi is the Secretary of ISA-B presently.

Date

Conference:

21st, 22nd July 2023

9:00 am to 5:30 pm

Pre-Conference Workshops:

20th July 2023

9:00 am to 5:30 pm

Venue

NIMHANS Convention Centre

Hosur Road, Bengaluru 560029



Contact: For Sponsorship, Display Stalls

Girish Ayya, Treasurer

ISA Bangalore Section,
#174, 19th Main Rd, HSR Layout,
Bengaluru - 560 102

Ph: +91 93412 56807
girishayya@gmail.com

Poornima, Admin Officer

ISA Bangalore Section,
#174, 19th Main Rd, HSR Layout,
Bengaluru - 560 102

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Ganganagar Branch

A/c Name: ISA Bangalore Section
SB A/c No: 0472101034155
IFSC Code: CNRB0010458

GST No: 29AAAT14256Q120
PAN No.: AAAT14256Q

Event Sponsor

Organising Committee

Srinath K

Ram Kerur

Ravi Balakrishnan

Ravishankar TR

Venkatapathy SR

Rajshakar Uchil

Dr. Sunil Shah

Dr. Jayesh Barve

Sukumaran M

Girish Ayya

Shankar Balakrishnan

Renukprasad Belgur

Vice President, Multivista Global; President - ISA Bangalore

CEO, Sunlux Technologies; Past President - ISA Bangalore

Consultant; Secretary - ISA Bangalore

Consultant & Advisor - , Past President - ISA Bangalore

Pram3V, Past President - ISA Bangalore

Consultant Josts Engg; Marketing Chair - ISA Bangalore

Director, Modelicon Infotech; Past President - ISA Bangalore

Principal, GE Research ; Past President - ISA Bangalore

Consultant & Trainer; Board Member - ISA Bangalore

Mg, Director, Avadhoot Automation; Treasurer - ISA Bangalore

Consultant; President Elect - ISA Bangalore

MentorWise Advisors, Past President - ISA Bangalore

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Event Associates

Participation from:

www.isabangalore.org



International Society of Automation
Bangalore Section

#174, 19th Main Rd, HSR Layout, Bengaluru - 560 102




<https://www.linkedin.com/groups/4705254/>
<https://www.kooapp.com/profile/ISABangalore>

About ISA:

International Society of Automation (ISA) is a non-profit global body of Automation professionals engaged in Standards, Certification, Training, Publishing, Events and Conferences. It is headquartered in the USA. India has 8 sections and the Bangalore Section is one of the most active sections.

[Click here to go to the first page](#)

16

ISAB

Tech-Talks

ISA-B Tech-Talk 1

Introduction to ISA Connect

Topic	"Introduction to ISA Connect"
Speaker	Ms. Mary'beth Ramey
Date	01/02/2023
Time	07:00PM (IST)
Platform	Microsoft Teams

ISA Bangalore Tech Talk



Topic: Introduction to ISA Connect

on 1st February 2023, 7:00 PM IST



Ms. Mary'beth Ramey
Automation & Process Control Engineer
Celanese Engineered Materials – Hytrel®

Welcome to the Tech Talk on "Introduction to ISA Connect," where Ms. Mary'beth will discuss and extend training on:

- How to set up your basic profile, expert profile, and volunteer profile
- Set your contact information and privacy
- Tailor your notifications to fit your interests
- Browse expert and credential directories
- Explore volunteering opportunities
- Innovate and vote on ISA improvement ideas
- And more!



Mary'beth is an Automation & Process Control Engineer at Celanese, located near Charleston, South Carolina. She is a member of the International Society of Automation, serving on various committees, including the ISA101 and ISA18 standards committee on HMIs and Alarm Management, respectively. Previously, she was President of the Columbus section, founding President of the Virginia Tech student section, and 2022 ISA Connect Champions Committee Member. In 2023, Mary'beth will be Chair of the ISA Student Guardian Committee and Young Professional Member at Large on the ISA Executive Board.

ISAB

Tech-Talks

ISA-B Tech-Talk 2

Intelligent Industrial Automation Application Using ROS 2

Topic	"Intelligent Industrial Automation Application Using ROS 2"
Speaker	Mr. Lentin Joseph
Date	11/03/2023
Time	04:30PM (IST)
Platform	Microsoft Teams

ISA Bangalore Tech Talk Series


 International Society of Automation
 Bangalore Section

Topic: Intelligent Industrial Automation Applications Using ROS 2

on 11th March 2023, 4:30 PM IST



Mr. Lentin Joseph
 Founder and CEO - Qbotics Labs Pvt Ltd




Scan Here to Register

Welcome to the Tech talk on "Intelligent Industrial Automation Applications Using ROS 2" where Mr.Lentin will introduce the audience to ROS 2 framework for robotics programming and show how we can use ROS 2 framework to create intelligent industrial automation applications.

Mr. Lentin has completed his M.Tech in Robotics and Automation from Amrita University, Kerala. He has authored several books to create more awareness and opportunities in robotics and the ROS framework.

His Area of Interest includes Creating top-level planning of the robotics projects, Developing ROS-based applications and simulations using Gazebo, Creating robotic education materials and courses, and Establishing partnerships and bringing business.

ROS for Robotics Projects, Mastering ROS for Robotics Programming, and Learning Robotics using Python are some of his notable publications.

ISAB Tech-Talks

In celebration of
International
Automation Day

ISA-B Tech-Talk 3

War room Strategies, Optimisation and IOT

Topic	“War room Strategies, Optimisation and IOT”
Speaker	Dr. Prabhakar Sastri
Date	22/04/2023
Time	04:00PM (IST)
Venue	Hotel Southern Star, Bengaluru



International Society of Automation
Bangalore Section

ISA Bangalore Tech Talk Series

War room strategies, Optimisation and IOT

on 22nd April 2023, 4:00 PM IST

Venue: Hotel Southern Star
40/2 Lavelle Road,
Bengaluru 560 001,
Karnataka | India




Dr. Prabhakar Sastri
Managing Director - ISA
Technologies Pvt Ltd and Director
(Technical) - GGK Systems Pvt Ltd



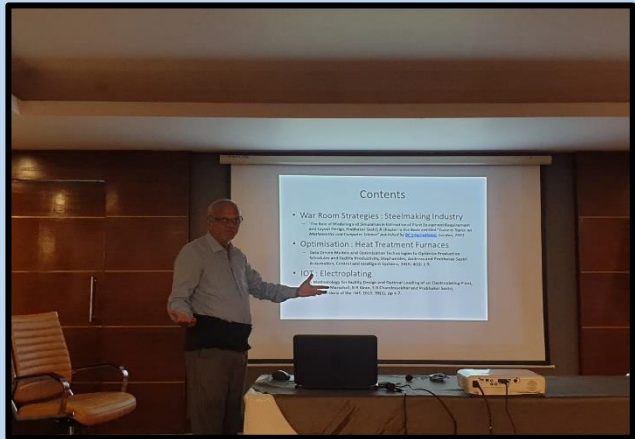
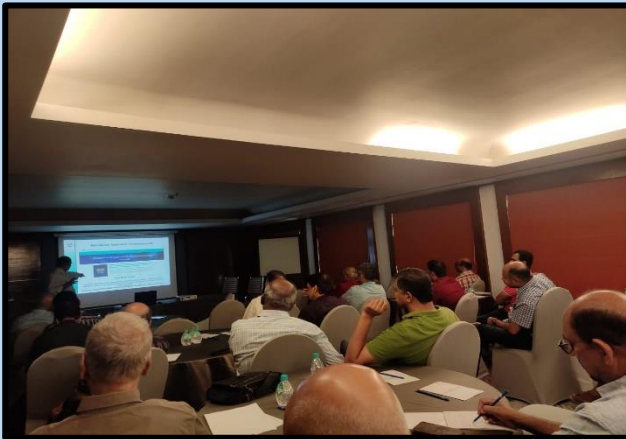
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Welcome to the Tech talk on "War room strategies, Optimisation and IOT," where Dr. Prabhakar will share his expertise and insights.

Dr. Prabhakar had completed his Ph.D. in Metallurgy from the Indian Institute of Science Bangalore, an MSc in Engineering from IISc Bangalore, and an MSc in Chemistry from IIT Bombay. He is an Elected member of the Royal Society of Chemistry, Burlington House, London. He is also a senior Member of the International Society of Automation, Bangalore and a Life member of the Indian Institute of Metals.

Over decades, he has commissioned over 80 Automation and IoT systems from concept to commissioning, training, and maintenance. He is a Technocrat and Mathematical modeling expert. He has strong domain Knowledge of Steel, Heat treatment, Electroplating, Food Processing, and many similar industries with 35+ years of experience. He is an Engineer and Scientist who understands data and knows how to get it, store, analyze, and model it to yield meaningful results for Industry.

In order to honour our founders' achievements to the industry and to honour the anniversary of their formation, ISA designates April 28 1945, as **International Automation Professionals Day**. ISAB, conducted Techtalk on “War room strategies, Optimisation and IOT ” by Dr. Prabhakar, a technocrat and Mathematical modelling expert.



ISAB

New Membership List

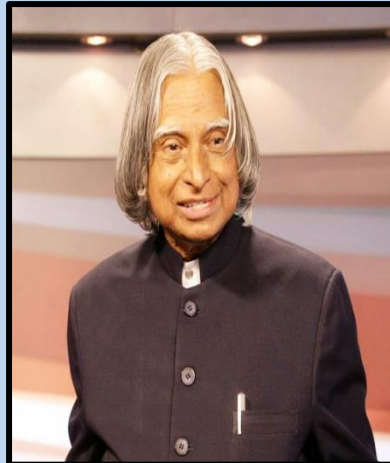
New Members joined ISA Bangalore Section (01 January 2023 - 30 April 2023)

<i>Sl No.</i>	<i>Name</i>	<i>Membership Type</i>	<i>Joined (month)</i>
1	Dheepan T	Member	January 2023
2	Sachin Sharma	Senior Member	January 2023
3	Karthik Natarajan	Senior Member	January 2023
4	Karthik B	Senior Member	February 2023
5	Pavan Kumar Malayanur	Senior Member	February 2023
6	Poornima Srinivasan	Senior Member	February 2023
7	Ambady V R	Senior Member	February 2023
8	Ajay Varghese	Senior Member	February 2023
9	Chitrang Shrivastav	Senior Member	February 2023
10	Pooja Davda	Member	February 2023
11	Sourabh Bagdi	Senior Member	February 2023
12	Pavan kumar	Senior Member	February 2023
13	Dishal K M	Member	March 2023
14	Rohit .	Senior Member	March 2023
15	Hanif Rahuman	Senior Member	March 2023
16	Vinoth Kumar Singaram	Senior Member	March 2023
17	Jayanth Narendra	Senior Member	March 2023
18	Shankar Elayapillai	Senior Member	March 2023

19	Vinukumar AR	Senior Member	March 2023
20	Mohan Muniyappan	Senior Member	March 2023
21	Madhav Vemuri	Senior Member	March 2023
22	Subrata Dey	Senior Member	March 2023
23	Saravanamurthy Sevugaperumal Ilamparithi	Senior Member	March 2023
24	Deepak George	Senior Member	April 2023
25	Santhosh Ravi	Senior Member	April 2023
26	Ashoka Kamurthi	Senior Member	April 2023
27	Karthikeyan Appuraj	Senior Member	April 2023
28	Bikash Rout	Member	April 2023
29	Hariprasad V.	Member	April 2023
30	Lakshmisha Tumkur Mohan	Member	April 2023
31	Milind Mukerji	Member	April 2023
32	Narayan Bhat	Member	April 2023
33	Naveen Polamarasetti	Member	April 2023
34	Pavithran G.	Member	April 2023
35	Pradeep J.	Member	April 2023
36	Rajathbabu C. L.	Member	April 2023
37	Ritesh Srivastava	Member	April 2023
38	Sanjeeth Thekkada Venkataramana	Member	April 2023
39	Sharvan G.	Member	April 2023
40	Shigha Abraham	Member	April 2023
41	Shri Harsha L	Member	April 2023
42	Vinod Kumar SK	Member	April 2023
43	Vivekananda M	Member	April 2023

44	Mamatha Hiremath	Senior Member	April 2023
45	Ramesh R	Senior Member	April 2023
46	Manjunath C.	Senior Member	April 2023
47	Abhinesh Gupta	Senior Member	April 2023
48	Uppili B	Member	April 2023

Quotes of the Quarter

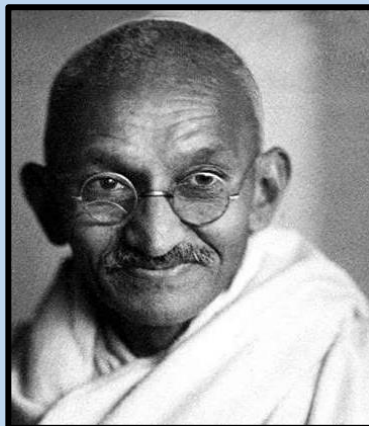


“You have to dream before your dreams can come true”

- APJ Abdul Kalam

Source: <https://rb.gy/9ao7z>

Image Courtesy: <https://rb.gy/mqjo7>



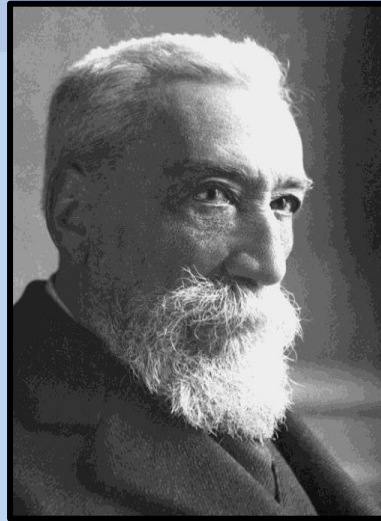
“The future depends on what you do today”

- Mahatma Gandhi

Source: <https://rb.gy/utnbi>

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Quotes of the Quarter



“The whole art of teaching is only the art of awakening the natural curiosity of young minds for the purpose of satisfying it afterwards.”

- Anatole France

Source: <https://rb.gy/neogg>

Image Courtesy: <https://rb.gy/5eej0>



“The most difficult thing is the decision to act, the rest is merely tenacity. The fears are paper tigers. You can do anything you decide to do. You can act to change and control your life; and the procedure, the process is its own reward.”

- Amelia Earhart

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