

National Symposium on  
**Automation & Digital Transformation of  
 Pharma & Life Sciences Industry**  
 25<sup>th</sup> & 26<sup>th</sup> May 2018  
 NIMHANS Convention Centre, Bengaluru

**Registrations: 08:00 ~09:00**

| <b>Program Schedule – Day-1</b>               |                                                                                                  |                                                                                              |
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| <b>Inaugural</b>                              |                                                                                                  |                                                                                              |
| 09:00~09:15                                   | Invocation & Lighting of Lamp                                                                    | <b>Ms. Meghana Venkatesh</b>                                                                 |
| 09:15~09:20                                   | Message from the President, ISA                                                                  | <b>Mr. Brian Curtis</b><br>President, ISA – Head Quarters USA                                |
| 09:20~09:30                                   | Welcome Address                                                                                  | <b>Mr. Ram V Kerur</b><br>President – ISA Bangalore Section                                  |
| 09:30~10:00                                   | Symposium Inauguration and Address by Chief Guest                                                | <b>Mr. Ramani Iyer, DVP ISA</b><br>District 14                                               |
| 10:00~10:15                                   | Industry Perspective                                                                             | <b>Mr. Madhav Kulkarni,</b><br>Former President, Zydus Cadila                                |
| 10:15~11:00                                   | <b>TEA BREAK &amp; Visit to Exhibition Area</b>                                                  |                                                                                              |
| <b>Session 1 Industry Overview and Trends</b> |                                                                                                  |                                                                                              |
| 11:00~12:00                                   | PHARMA-Industry 4.0                                                                              | <b>Mr. SG Belapure</b><br>Managing Director, Zydus Hospira                                   |
| 12:00~12:30                                   | Integrated Pharma Product Development and Manufacturing- Automation & Digitalisation Perspective | <b>Dr. Amit Biswas</b><br>Executive Vice President, Dr. Reddy's Labs                         |
| 12:30~13:00                                   | Driving Operational Excellence with Industry 4.0 in Pharma Sector                                | <b>Dr. Ravi Kumar GVV</b><br>Associate Vice President & Head of Advanced Engg Group, Infosys |
| 13:00~13:20                                   | Regulatory Best Practices & Compliance – Digitalisation Framework                                | <b>Shri Rajshekar,</b> Asst. Drugs Controller (India), Sub Zone (Bangalore) , CDSCO          |
| 13:20~13:30                                   | Q&A                                                                                              |                                                                                              |



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| 13:30~14:30        | <b>LUNCH BREAK</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                             |
| <b>Session-2</b>   | <b>Digitalization and Compliance</b>                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                             |
| 14:30~14:50        | IOT Trends in Pharma and Life Sciences                                                                                                                                                                                                                                                                                                                                                                   | <b>Mr. Nikhil Patil</b> , Strategy Consultant, KPMG<br><b>Mr. Suresh Ponnuru</b> , Manager Advisory, KPMG                                                                                   |
| <b>14:50~15:10</b> | Implementation of Industry 4.0 in Pharma Manufacturing                                                                                                                                                                                                                                                                                                                                                   | <b>Mr. R. Kartik Iyer</b> , Director Industrial IOT Head, Infosys                                                                                                                           |
| 15:10~15:30        | Aiding Data Integrity for Qualified BMS System and SaaS in Regulated Environment                                                                                                                                                                                                                                                                                                                         | <b>Mr. Sébastien Girard</b> , Eurotherm Global Business Development Manager, Global Consumer Packaged Goods (Life Science / Food & Beverage)                                                |
| 15:30~15:50        | Q&A                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                             |
| 16:00~16:30        | <b>TEA BREAK &amp; VISIT TO EXHIBITION AREA</b>                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                             |
| <b>Session-3</b>   | <b>Batch &amp; Continuous Process Plant Automation and Connectivity</b>                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                             |
| 16:30~16:50        | Industry 4.0 -- Continuous Pharma Manufacturing through Process Intensification                                                                                                                                                                                                                                                                                                                          | <b>Mr. Vijay Kripalani</b> , CEO, Pi-Process Intensification Experts                                                                                                                        |
| 16:50~17:10        | Batch to Continuous Process- Automation Requirements                                                                                                                                                                                                                                                                                                                                                     | <b>Mr. S Lakshminarayana</b> Associate Vice President, Jubilant Generics                                                                                                                    |
| 17:10~17:30        | Cable and Connectivity Solution for the Pharma Industry                                                                                                                                                                                                                                                                                                                                                  | <b>Mr. Prasad Narasimha</b> Deputy General Manager Product Engineering and Product Development at Lapp India Pvt. Ltd.                                                                      |
| 17:30~17:45        | Q&A                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                             |
| <b>Session-4</b>   | <b>Panel Discussion: Automation, Digitalization, Policy, and Investment,</b>                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                             |
| 18:00~19:00        | <ol style="list-style-type: none"> <li>Mr. Harish Jain, Secretary, Drugs Mfg. Association</li> <li>Mr Muralidhar Reddy N, VP- OPS, Jubilant Generics</li> <li>Dr Ravikumar GVV, Associate Vice President &amp; Head of Advanced Engg Group, Infosys</li> <li>Mr Lalit Bangera. Sr. BDM - <b>Life Science</b> APAC, Eurotherm</li> <li>Mr. Suresh Ponnuru, Manager Advisory, KPMG</li> <li>...</li> </ol> | <b>Panel Chairs:</b> <ul style="list-style-type: none"> <li>Mr. Madhav Kulkarni, Former President, Zydus Cadila</li> <li>Mr. Rajesh Rathi, DVP Elect-ISA and MD Control InfoTech</li> </ul> |



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| 19:00~21:00                      | <b>Cultural Programme &amp; Networking Dinner</b>                                                                   |                                                                                                          |
| <b>Program Schedule – Day -2</b> |                                                                                                                     |                                                                                                          |
| <b>Session-5</b>                 | <b>Productivity Improvement- Standards and Automation Trends</b>                                                    |                                                                                                          |
| 09:00~10:30                      | Felicitation by the Chief Guest                                                                                     | <b>Shri. Ananth Kumar</b><br>Hon. Union Minister for Chemicals & Fertilisers, Parliamentary Affairs, GOI |
|                                  | <u>ISA 88</u> : Batch Control<br>Standards Deep Dive                                                                | <b>Dr. Sunil S Shah</b><br>President Elect – ISA Bangalore,<br>CEO, ModeliCon Infotech                   |
|                                  | Customer Driven Approach As A Basis To Address Evolving Automation/Smart Manufacturing Requirements                 | <b>Mr Arunkumar Janarthanan</b><br>Associate Director, Frost & Sullivan                                  |
|                                  | <b>TEA BREAK &amp; VISIT TO EXHIBITION AREA</b>                                                                     |                                                                                                          |
| <b>Session-6</b>                 | <b>Streamlining Production Processes, Engineering and Design</b>                                                    |                                                                                                          |
| 10:30~10:50                      | Data Analytics In Evolving Batch Processes                                                                          | <b>Mr. Satyananda Chirravurri</b><br>General Manager – BE & Six Sigma,<br>Jubilant Generics              |
| 10:50~11:10                      | Pharma 4.0 - Driving the factory of the future                                                                      | <b>Mr. Venkatkrishnan K,</b><br>Engineering Manager, ABB                                                 |
| 11:10~11:20                      | Q&A                                                                                                                 |                                                                                                          |
| <b>Session-7</b>                 | <b>Process Analytical and Instrumentation Systems</b>                                                               |                                                                                                          |
| 11:20~11:40                      | PAT Based Control Strategy for Batch and Continuous Process Development of Active Pharmaceutical Ingredients - APIs | <b>Dr. Satyanarayana Thirunahari</b><br>Principal Scientist, Dr. Reddy's Labs                            |
| 11:40~12:00                      | Process Raman Spectroscopy for Pharma and Bio-Pharma Applications                                                   | <b>Mr Abhishek Deshpande,</b><br>Endress+Hauser                                                          |



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| 12:00~12:15      | Q&A                                                                                     |                                                                     |
| <b>Session-8</b> | <b>Compliance and Smart Factory</b>                                                     |                                                                     |
| 12:15~13:00      | Digital Smart Factory & Integrated Systems in Pharma Industry                           | <b>Mr. Ravi Kalla</b><br>Head IT and Automation, Anthem BioSciences |
| 13:00~13:30      | <b>Plenary Session- Compliance</b> Regulatory Best Practices & Compliance- Trends       | <b>Dr. S. Eswara Reddy</b><br>Drugs Controller General of India     |
| 13:30~14:30      | <b>LUNCH BREAK</b>                                                                      |                                                                     |
| <b>Session-9</b> | <b>Digitalisation and Cyber Security</b>                                                |                                                                     |
| 14:30~15:15      | Challenges in Digitalisation- Operations                                                | <b>Mr. Deepak Kasbi</b><br>Sr. Vice President, Lupin                |
| 15:15~15:35      | OT security in pharma and end-user perspective                                          | <b>Mr Mayur Mehta</b> , Lead Security Architect OT, Novartis        |
| 15:35~16:15      | <b>End Note:</b> Use of Information & Communication Technology (ICT) in Drug Regulation | <b>Dr Hemant Koshia</b> ,<br>Commissioner, FDCA ,Gujarat            |
| 16:15~16:30      | Q&A                                                                                     |                                                                     |
| 16:30 ~17:00     | <b>Concluding Session- Feedback, VOT</b>                                                | <b>ISAB Team</b>                                                    |
| 17:00~17:30      | <b>Tea and Networking</b>                                                               |                                                                     |

**Contact for Program Clarifications:**

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| <p><b>Dr. Sunil S Shah</b><br/>President Elect – ISA Bangalore,<br/>CEO, ModeliCon Infotech<br/>Mobile: +91 98450 57005<br/>Email: sunil.shah@modelicon.in</p> | <p><b>SR Venkatapathy</b><br/>Chairman of Trust - ISA-B<br/><br/>Mobile: +91 94480 83072<br/>Email: vpathysr@gmail.com</p> |
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Note: The agenda is work in progress and subject to change

