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| Power Hour Talks* : 25 Aug | 20 - 21 |

*Only in-person at Suntec Singapore

*Exhibit Opening Hours

Thu, 24 Aug : 9:00 AM - 5:45 PM

(Pharmanite : 5:45 - 7:00 PM)

Fri, 25 Aug : 9:00 AM - 4:30 PM

 **Free Wi-Fi is available throughout Suntec Singapore**

Other Onsite Events



Launch of ISPE GAMP® South Asia CoP

Date: Thu, 24 Aug

Time: 12:30 - 1:30 PM



Women in Pharma Roundtable Lunch

Date: Fri, 25 Aug

Time: 12:30 - 1:45 PM

For power hour, workshops, programme, visit www.ispesingapore.org or scan QR code



Conference App for registered conference delegates:

- Download the '**Arinex One**' App from the App Store or Google Play.
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Peiqing Zhang
Conference Chair
 ISPE Singapore Affiliate
 Conference & Exhibition

2023 Conference Chair's Message

SHAPING THE FUTURE OF PHARMACEUTICAL MANUFACTURING : TRENDS, TECHNOLOGIES AND BEYOND

Dear industry colleagues,

Welcome to the 2023 ISPE Singapore Affiliate Conference & Exhibition!

We are excited to invite you to our highly anticipated annual meeting. This event promises to be an extraordinary opportunity for professionals in the pharmaceutical industry to come together, learn, and exchange insights on the latest trends and advancements.

Under the theme of "Shaping the Future of Pharmaceutical Manufacturing: Trends, Technologies and Beyond" the conference will kick off with a one-day online pre-conference symposium, followed by a two-day on-site main conference. From digital transformation to industry best practices, regulatory trends, manufacturing technologies, and advanced therapies, we have curated a program that addresses the most pertinent issues faced by pharmaceutical professionals today.

Our esteemed speakers, who are industry leaders and experts in their respective fields, will share their knowledge and experiences, providing you with valuable insights and strategies that can be applied to your work. Moreover, we are delighted to announce that alongside the main conference, we have organized 22 open-access satellite workshops, further facilitating knowledge sharing among attendees.

Whether you join us in person or virtually, you will have the opportunity to network with peers, engage in meaningful discussions, and explore innovative solutions in the pharmaceutical landscape.

We look forward to welcoming you to the ISPE Singapore Annual Meeting in August. Together, let's embody the spirit of collaboration, push boundaries, and shape the future of pharmaceuticals.

Warm regards,
Peiqing Zhang

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CY27260-30May23-AD



OPENING PLENARY

9:15AM **Chair's Welcome Remarks**

Alfonso Karli, Director, GCMC Vaccines, **Pfizer** & Vice President, **ISPE Singapore**

9:20AM **ISPE International Update & Strategic Planning**

Thomas B Hartman, President & CEO, **ISPE**, USA

9:45AM **KEYNOTE: Development of mRNA Vaccines at Lightspeed**

Rich Pelt, Senior Director, Vaccines CMC Regulatory Affairs, **Pfizer**, USA



10:10AM **KEYNOTE: Delight Your Customers with SC Transformation**

Gerard Dempsey, Executive Director, Head of Asia Pacific Regional Supply Chain, **Amgen**, Japan



10:35AM **KEYNOTE:**

Diane L Husted, Executive Director, Regulatory Affairs, **Merck & Co, Inc.**, & Drug Shortage Initiative Team Chair, **ISPE**, USA



11:00AM **Stretch Break**

11:10AM **Chair's Remarks**

Bob Tribe, **ISPE Singapore** Regulatory Affairs Advisor, Australia

11:15AM **REGULATORY KEYNOTE: PIC/s Update**

Jacques Morenas, Deputy Chair & Chair, Training sub-committee, **PIC/s** & Technical Advisor, Inspection Division, **ANSM**, France



11:35AM **REGULATORY KEYNOTE: EU Network Approach to Inspection Reliance and Manufacturing Innovation**

Andrei Spinei, Manufacturing Team Lead, Inspections Office, **Quality and Safety of Medicines Dept**, European



12:00PM **GLOBAL PANEL: Regulatory, Policy & Industry Approach to Combat Drug Shortages**

Moderator: **Diane L Husted**, Executive Director, Regulatory Affairs, **Merck & Co, Inc.**, & Drug Shortage Initiative Team Chair, **ISPE**, USA

Panelists: **Jesusa Joyce N. Cirunay**, Director IV, **FDA Center for Drug Regulation and Research (CDRR)**, Philippines

Vimal Sachdeva, Senior GxP Inspector, **WHO**, Switzerland

David Churchward, Global Head Sterility Assurance, Cell and Gene Technologies, **Lonza Biologics**, UK

Gerard Dempsey, Executive Director, Head of Asia Pacific Regional Supply Chain, **Amgen**, Japan

Rich Pelt, Senior Director, Vaccines CMC Regulatory Affairs, **Pfizer**, USA

12:45PM **Plenary ends & Stretch Break**

Do you want to join GAMP® South Asia CoP?

It's the newest GAMP community of practice, serving Australasia, Indonesia, Malaysia, Philippines, Singapore and Thailand.

The CoP offers education and networking opportunities regionally and locally on good practices for computerized systems and data integrity through a program of webinars, seminars and workshops.

Attend the launch on 24 Aug, 12:30-1:30PM!

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TRACK A: INDUSTRY BEST PRACTICES

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1:00PM *Chair's Opening Remarks*

Jen Chen, QA/QC Manager, **Schneider Electric**, Singapore & Conference Co-Chair, **ISPE Singapore**

1:10PM *Critical Thinking – The What, Why and How...*

Benjamin Sauer, APAC Lean Academy Lead, **AstraZeneca**, Australia

1:35PM *Design of HPAPI Biomanufacturing Facility: Case Study*

Morcos Loka, Training Manager & GMP Advisor, **Minapharm**, Egypt

2:00PM *Single-use Technology for mRNA Manufacturing*

Somasundaram G, Senior Consultant, Global Biopharm Center of Excellence, **Merck Pte Ltd**, Singapore

2:25PM *Industry Good Practices on Product Grouping for Cleaning Validation*

Cecilia Pierobon, Technical Service Manager, **STERIS Corp.**, Germany

2:45PM *Stretch Break*

3:00PM *KEYNOTE: Good Engineering Practice: Accelerating Project Delivery*

Dr Joerg Block, GMP Compliance Engineering, **Bayer AG Pharmaceuticals**, Germany



3:25PM *Applying Good Engineering Practices for CIP Operation*

Kalpesh Patel, Chief Operating Officer, **HYDE**, USA

3:45PM *PANEL: Applying Good Practices for the Project Life Cycle*

Moderator: **Pierre Winnepenninckx**, CEO, **No deviation Pte Ltd** & CQV Lead, **ISPE Singapore Affiliate**
Panelists: **Dr Joerg Block**, GMP Compliance Engineering, **Bayer AG Pharmaceuticals**, Germany
Manuel Ungerer, Head of Site Development, APAC, **Novartis**, Singapore
Paul Si, Head of SGIE Delivery APAC, **Lonza**, Singapore
Prasath Kuppasamy, Evf Head of Engineering, **Sanofi**, Singapore

4:30PM *Chair's Remarks & End of Track A*

TRACK B: DIGITAL TRANSFORMATION

Track Sponsor



1:00PM *Chair's Opening Remarks*

Frances M Zipp, President & CEO, **Lachman Consultant Services, Inc**, USA

1:10PM *No-Code GMP Apps: Has Paper Finally Met its Match?*

David Holt, Group Managing Director, **Factorytalk** & **Bob Buhlmann**, Global Head of Digital Quality & Computer Strategy, **AstraZeneca**, USA

1:35PM *The Nexus: Data Integrity & Pharma 4.0*

Scott Deckebach, Senior Director, Data Integrity and Governance, **Lachman Consultants, Inc.**, USA

2:00PM *PANEL: How does GAMP5 Revision Impact the Industry?*

Moderator: **Charlie Wakeham**, Global Head of Quality and Compliance, **Magentus** & Co-Chair, **ISPE GAMP** Global Steering Committee, Lead, **ISPE GAMP CSA** Special Interest Group, Australia
Panelists: **Gionata Taddeucci**, APAC Operations Director – Partner, CSV/CSA & Data Integrity Advisor, **PQE**, Italy
Subbarao Kattamuri, Head of India Operations, **Aztec Process Automation Pvt. Ltd.**, India
Bob Buhlmann, Global Head of Digital Quality & Computer Strategy, **AstraZeneca**, USA
David Holt, Group Managing Director, **Factorytalk**, Thailand

2:45PM *Stretch Break*

3:00PM *PANEL: Digitalization in Predictive Maintenance*

Moderator: **Jörg Zimmermann**, Immediate Past Chair, **ISPE International**; Vice President External Affairs, **Vetter Pharma Fertigung GmbH & Co KG**, Germany
Panelists: **Giacomo Guidi**, Isolation Technology R&D Dept, **IMA Life**, Italy
Cristina Sust Farriol, Digitalization Lead, **NIUKO Technologies**, Spain
Meli Gallup, Director, Global MSAT Commercial Product, **Genentech**, USA
XiaoLei Ning, Director, Head of Site Engineering Beijing Supply Center, **Bayer**, China

3:45PM *Decontamination and Automation: Keys to Robust Processes*

Jörg Zimmermann, Immediate Past Chair, **ISPE International**; Vice President External Affairs, **Vetter Pharma Fertigung GmbH & Co KG**, Germany

4:10PM *Environmental Management System from Manual to Digital*

Aqeel Ahmed, Associate General Manager Production, **Brookes Pharma Ptd Ltd**, Pakistan

4:30PM *Chair's Remarks & End of Track B*

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Anniversary 周年

9:00AM **Welcome from ISPE**

Shanshan Liu, Technical Director, **No deviation Pte Ltd** & President, **ISPE Singapore Affiliate**
Thomas B Hartman, President & CEO, **ISPE**, USA

9:15AM **Chair's Opening Remarks**

Peiqing Zhang, Strategic Technology Partnership Leader Cell and Gene Therapy, APAC, **Cytiva** & Conference Chair, **ISPE Singapore Affiliate**

PLENARY

9:20AM **Positioning For Growth**

Chris Lee, Site Head, **WuXi Biologics**, Singapore

9:40AM **VISIONARY PANEL: Biotechnology Industry Challenges and Opportunities Working with Contract Development & Manufacturing Organizations (CDMO's)**

Moderator: **Thomas B Hartman**, President & CEO, **ISPE**, USA
 Panelists: **Vivianne J Arencibia**, Vice President, Global Quality Systems & Compliance, **Moderna**, International Board Director & Co-Chair, Women in Pharma, **ISPE**, USA
Chong-Meng Chai, Vice President, Site Head, **Lonza**, Singapore
Chris Lee, Site Head, **WuXi Biologics**, Singapore
Jörg Zimmermann, Immediate Past Chair, **ISPE International**; Vice President External Affairs, **Vetter Pharma Fertigung GmbH & Co KG**, Germany
Frances M Zipp, President & CEO, **Lachman Consultant Services, Inc**, USA

10:25AM **Networking Break**

REGULATORY & COMPLIANCE

11:10AM **Chair's Opening Remarks**

Vee Revithi, Senior Consultant to Pharmaceutical Regulatory Authorities on GMP, GDP; Greece

11:15AM **GLOBAL REGULATOR KEYNOTE: Moving Towards GMP Harmonization and Reliance**

Vimal Sachdeva, Senior GxP Inspector, **WHO**, Switzerland

11:35AM **ASEAN REGULATORY ROUNDTABLE: How Regional Regulatory Agencies are Adopting Global Standards**

Moderator: **Bob Tribe**, **ISPE Singapore** Regulatory Affairs Advisor, Australia
 Panelists: **Chong Hock Sia**, Director (Quality Assurance) & Senior Consultant (Audit & Licensing), Health Products Regulation Group, **Health Sciences Authority**, Singapore
Vimal Sachdeva, Senior GxP Inspector, **WHO**, Switzerland
Jesusa Joyce N. Cirunay, Director IV, **FDA Center for Drug Regulation and Research (CDRR)**, Philippines
Abdul Mughees Muddassir, Assistant Director to CEO, **Drug Regulatory Authority of Pakistan (DRAP)**
Dr Noraida Binti Mohamad Zainoor, Deputy Director, Centre of Compliance and Quality Control, **National Pharmaceutical Regulatory Agency (NPRA)**, Malaysia

12:20PM **Lunch & Exhibition Visit**12:30PM **Launch of GAMP® South Asia CoP Lunch**

MANUFACTURING TRENDS

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YOKOGAWA 1:40PM **Chair's Opening Remarks**

Maurice B Parlane, Principal, **New Wayz Consulting Ltd**, New Zealand & Director, **CBE Pty Ltd**, Australia & Leader, **ISPE** Process Validation

1:45PM **KEYNOTE: Global Engineering Standards for Biopharma Manufacturing**

Takashi Kaminagayoshi, Head, Biotherapeutics Process Development, Pharmaceutical Sciences, **Takeda Pharmaceutical Co Ltd**, Japan

2:05PM **CDMOs Outlook after the Pandemic**

Selva G, General Manager, Singapore, **Thermo Fisher Scientific**

2:25PM **Back to the Future - Development of a Modular Aseptic Robotic Technology Platform in a Room Isolator**

Austin Lock, Technical Director, Group Head of Technology, **PM Group**, UK

2:45PM **PANEL: Innovating to Gain Speed to Market**

Moderator: **Shanshan Liu**, Technical Director, **No deviation Pte Ltd** & President, **ISPE Singapore Affiliate**

Panelists: **Takashi Kaminagayoshi**, Head, Biotherapeutics Process Development, Pharmaceutical Sciences, **Takeda Pharmaceutical Co Ltd**, Japan
Dr Jerry Yang, CTO & Head of TechOps, **Fosun Kite Biotechnology Co Ltd**, China
Austin Lock, Technical Director, Group Head of Technology, **PM Group**, UK
Selva G, General Manager, Singapore, **Thermo Fisher Scientific**

3:30PM **Networking Break**

DIGITAL C&Q

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4:15PM **Chair's Opening Remarks**

Pierre Winnepenninckx, CEO, **No deviation Pte Ltd** & CQV Lead, **ISPE Singapore Affiliate**

4:20PM **Transition & Implementation Strategies for Digitizing C&Q**

Phil Jarvis, Director, Integrated C&Q and Paperless Strategy, **Vector Solutions**, USA
Mark Geldard, Director of Sales EMEA, **Kneat Solutions**, Switzerland

DIGITAL CQV (contd.)

4:40PM **Digital CPV: An Implementation Case Study**

Rui César Silva, Senior Consultant, Product Lifecycle Management, **ValGenesis Inc**, Portugal

5:00PM **PANEL: C&Q Digitalization**

Moderator: **Phil Jarvis**, Director, Integrated C&Q and Paperless Strategy, **Veqtor Solutions**, USA

Panelists: **John Devlin**, CEO, **KPC International**, Ireland

Sunil Patel, Director - Product Management, **ValGenesis Inc.**, USA

Mark Geldard, Director of Sales EMEA, **Kneat Solutions**, Switzerland

5:45PM **Chair's Remarks followed by Pharmanite Networking**



WORKSHOPS | 24 AUG 2023

Onsite Only at Suntec Singapore

| DIGITALIZATION | | MANUFACTURING TRENDS |
|--|---------------|---|
| <p>1.1 Building A STRONG Control Foundation for Pharma 4.0 Anand Sunit Kulkarni, Director Life Sciences Global Accounts, Asia Pacific Kenny Tay, Life Science Industry Consultant, Southeast Asia, Rockwell Automation, Singapore</p> | 11:15-12:15PM | <p>2.1 Optimizing Freeze-drying Processes Using Wireless Single-use Probes Joel Nuñez, Product Manager, Telstar, Spain</p> |
| <p>LUNCH 'N LEARN YOKOGAWA ◆</p> <p>1.2 Digital Transformation Toward Smart Manufacturing Alicia Hui, General Manager, Digital Innovation Consulting, Yokogawa Engineering Asia Pte Ltd, Singapore</p> <p>LUNCH 'N LEARN SIEMENS</p> <p>SI Achieve Business Growth Through Digital Accelerator Services Dirk Wollaert, Digitalization lead at Siemens Pharma global, Siemens, Belgium Andreas Kappler, Vertical Management Pharma ASEAN, Siemens, Singapore Lalit Bangera, Manufacturing Process Industry Consultant, Siemens, Singapore</p> | 12:30-1:30PM | <p>2.2 Single-use Liquid Chromatography System & Bio Mixers Training in Virtual Reality Jaisimha Seshadri, Field Technical Leader - Digital Yu Xuan, Field Application Specialist, ASEAN, Downstream Bioprocessing, Cytiva, Singapore</p> |
| <p>DIGITAL CQV</p> <p>1.3 Navigating Challenges in Implementing a Paperless Validation Solution in an Organization Phil Jarvis, Director, Integrated C&Q and Paperless Strategy, Veqtor Solutions, USA Pierre Winnepenninckx, CEO, No deviation Pte Ltd & CQV Lead, ISPE Singapore Affiliate</p> | 1:45-2:45PM | <p>2.3 Applying Single Use & Levitation Technology for Mixer and Bioreactor Application Kaiser Chen, Application Engineer Life Sciences, Levitronix GmbH, Taiwan</p> |
| <p>1.4 C&Q Optimisation Through Digital Transformation John Devlin, CEO, KPC International, Ireland</p> | 3:00-4:00PM | <p>2.4 Robotic Technologies in Aseptic Fill & Finish Zaim Gashi, Global Industry Manager, STERILINE, Italy</p> |
| <p>1.5 Building a Sustainable Holistic Data Integrity Program Scott Deckebach, Senior Director, Data Governance and Integrity Compliance, Lachman Consultants, USA</p> | 4:15-5:15PM | <p>2.5 Handling Agglomerated Powders: Solving the Age-Old Conundrum Justin Leong, Technical Support Manager, ILC Dover, Singapore</p> |

DIGITAL TRANSFORMATION /
PHARMA 4.0

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9:00AM **Chair's Opening Remarks**

Wee Ming Chua, Associate Vice President, **NNIT Singapore Pte Ltd**

9:05AM **KEYNOTE: How the Growth of Asia's Aging Population is Fueling the Rise of Automation and Advanced Therapies**

Richard Lee, Chief Executive Officer and Member of the Board, **LOTTE BIOLOGICS**, Korea



9:25AM **DIGITAL KEYNOTE: Unlocking the Promise of Digital Innovation**

Meli Gallup, Director, Global MSAT Commercial Product, **Genentech**, USA



9:45AM **DIGITAL PHARMA PANEL: Challenges to Digital 'Emancipation' (Freedom)**

Moderator: **Wee Ming Chua**, Associate Vice President, **NNIT Singapore Pte Ltd**

Panelists: **Meli Gallup**, Director, Global MSAT Commercial Drug Product, **Genentech**, USA

Francesco Ferri, OT Security Deployment & Operations Lead, GSC Engineering OT Security, Global Supply Chain, **GlaxoSmithKline Pte Ltd**, Singapore

Scott Deckebach, Senior Director, Data Integrity and Governance, **Lachman Consultants, Inc.**, USA

Atul Tripathi, Associate Director, **Emerson Automation Solutions**, Singapore

Vignes Kanagaraj, Head of Transformation and Change, **Pharmaniaga Bhd**, Malaysia

10:30AM **Networking Break**

11:00AM **Smart Manufacturing - Managing OT Security Risks**

Francesco Ferri, OT Security Deployment & Operations Lead, GSC Engineering OT Security, Global Supply Chain, **GlaxoSmithKline Pte Ltd**, Singapore

11:25AM **Using Digital Twins and IoT to Accelerate the Time to Market**

Antonello Finucci, Director Process Digitalization

Luca Mussati, VP Technology & Innovation - GBU

Biopharma & Life Science, **Exyte Central Europe**, Switzerland/Germany

11:45AM **PANEL: Digitalization & Sustainability**

Moderator: **Rajnish Narula**, Director, Business Excellence, **Pfizer**, Singapore

Panelists: **Dr Frank Panofen**, Director & General Manager Life Sciences Division, **Particle Measuring Systems**, Germany

Hans Eder, Business Line Director, Sustainable Solutions, **ZETA**, Austria

Jackson Seng, Vice President, Sustainability & Strategy, **Schneider Electric**, Singapore

Samuel Tan, Head of Operations & Strategy, **Novartis**, Singapore

Vignes Kanagaraj, Head of Transformation and Change, **Pharmaniaga Bhd**, Malaysia

12:30PM **Lunch & Exhibition Visit**

Women in Pharma Roundtable Lunch

ADVANCED MANUFACTURING / ATMPs

2:00PM **Chair's Opening Remarks**

Peiqing Zhang, Strategic Technology Partnership Leader Cell and Gene Therapy, APAC, **Cytiva** & Conference Chair, **ISPE Singapore Affiliate**

2:05PM **ATMPs KEYNOTE: Establishment of World-Class Quality Commercial Manufacture for CAR-T Therapy**

Dr Jerry Yang, CTO & Head of TechOps, **Fosun Kite Biotechnology Co Ltd**, China



2:25PM **Enabling QbD (Quality by Design) and Bioprocess Control**

Igor Nazarov, Regional Sales Manager, **Endress+Hauser Optical Analysis, Inc**, USA

2:45PM **Real-Time Multivariate Process Monitoring on the Manufacturing Shopfloor**

Dr Karthick Murugappan, Senior Scientist, **MSD**, Singapore

3:05PM **Assure Quality & Delivery of a Multimodal ATMP Facility**

Shanshan Liu, Technical Director, **No deviation Pte Ltd** & President, **ISPE Singapore Affiliate**

3:25PM **PANEL: Reliability in Continuous Manufacturing**

Moderator: **Alex Mueller**, Senior Expert Industry Manager, **Endress+Hauser**, Switzerland

Panelists: **Krishna Karnati**, General Manager APAC

Genomic Medicine, **Cytiva**, Singapore

Chew Wee, Principal Investigator, **Singapore Institute of Food & Biotechnology Innovation**

Vimal Sachdeva, Senior GxP Inspector, **WHO**, Switzerland

4:10PM **Networking Break**

4:30PM **Use of Rapid Microbial Detection Analyzer for Contamination Control**

Arundhati Samanta, Global Product Manager, **METTLER TOLEDO**, USA

4:50PM **CLOSING PANEL: Key Strategies in Supply Chain Resiliency**

Moderator: **Michael Murphy**, Director, Southeast Asia, **Linesight**, Singapore

Panelists: **Oliver Nicolai**, Head of SCM Asia, Global Supply Chain Management, **Santen Pharmaceutical Asia**, Singapore

Ian Shanahan, International Business Development Manager, **Flow Technology**, Ireland

Somasundaram G, Senior Consultant, Global Biopharm Center of Excellence, **Merck Pte Ltd**, Singapore

Sven Frie, GM Commercial, Manufacturing Capacity Solutions, **Cytiva**, Switzerland

5:35PM **Chair's Closing Remarks & Conference Ends**

| QUALITY | | ADVANCED MANUFACTURING/ATMPs |
|--|----------------|--|
| 3.1 Business Continuity: A Roadmap for Sustained Operations John Hughes , Global Director, Asset Management & Reliability, USA & James Lambert , Regional Director, Singapore / Southeast Asia, CAI , Singapore | 10:00– 11:00PM | 4.1 New Technologies and Practices to Optimize Traditional Calibration Routines Alex Mueller , Senior Expert Industry Manager, Endress+Hauser , Switzerland |
| 3.2 A Deep Dive into ISPEs Advancing Pharmaceutical Quality (APQ) Program Maurice B Parlane , Principal, New Wayz Consulting Ltd , New Zealand & Director, CBE Pty Ltd , Australia & Leader, ISPE Process Validation | 11:15–12:15PM | 4.2 Good Design Practices for mRNA Vaccine Facilities Jin Hong (Andrew) Kim , Director, Industrial South Korea, SNC-Lavalin Korea |
| DIGITAL TRANSFORMATION | | SUSTAINABILITY |
| LUNCH 'N LEARN  3.3 Digitalization for Real Time Monitoring & Optimizing Production Processes Antonello Finucci , Director Process Digitalization & Luca Mussati , VP Technology & Innovation– GBU Biopharma & Life Science, Exyte Central Europe , Switzerland / Germany | 12:30–1.30PM | 4.3 What you Need to Know about Scope 3 Supply Chain Carbon Emissions Bess Ng (Yi Gung) , Associate Principal, Sustainability Business, Schneider Electric , Singapore |
| 3.4 All Digital: Engineering to Operations – Project Results Martin Mayer , Director Digital Solutions, Dr Armin Erlacher , Corporate Digital Engineering Manager, ZETA GmbH , Austria & Michael Graber , Authorized Signatory, LOBA GmbH , Austria | 1:45–2:45PM | 4.4 Decarbonisation: The Impact, Innovation & Strategy Solutions Kok Fong Tiyo , Market Manager Asia Pacific & Richard Loo , Director of Project – Veolia South East Asia , Singapore |
| 3.5 Digitalize Your Lab for the Future Holger Linnertz , Head Of Software Development Centre, METTLER TOLEDO , Switzerland | 3:00–4:00PM | 4.5 Keys to a Successful Contamination Control Strategy (CCS) Jim Polarine , Senior Technical Service Manager, STERIS Corp. , USA |
| GAMP 5 3.6 Applying Critical Thinking in Computerized Systems Projects Charlie Wakeham , Global Head of Quality and Compliance, Magentus & Co-Chair, ISPE GAMP Global Steering Committee, Lead, ISPE GAMP CSA Special Interest Group, Australia | 4:15–5:15PM | 4.6 Scientific Principle–Changes of Pharma Process Components Pengchao (Linus) Hao , Scientific Strategy Director, Hangzhou Cobetter Filtration Equipment Co., Ltd , China |



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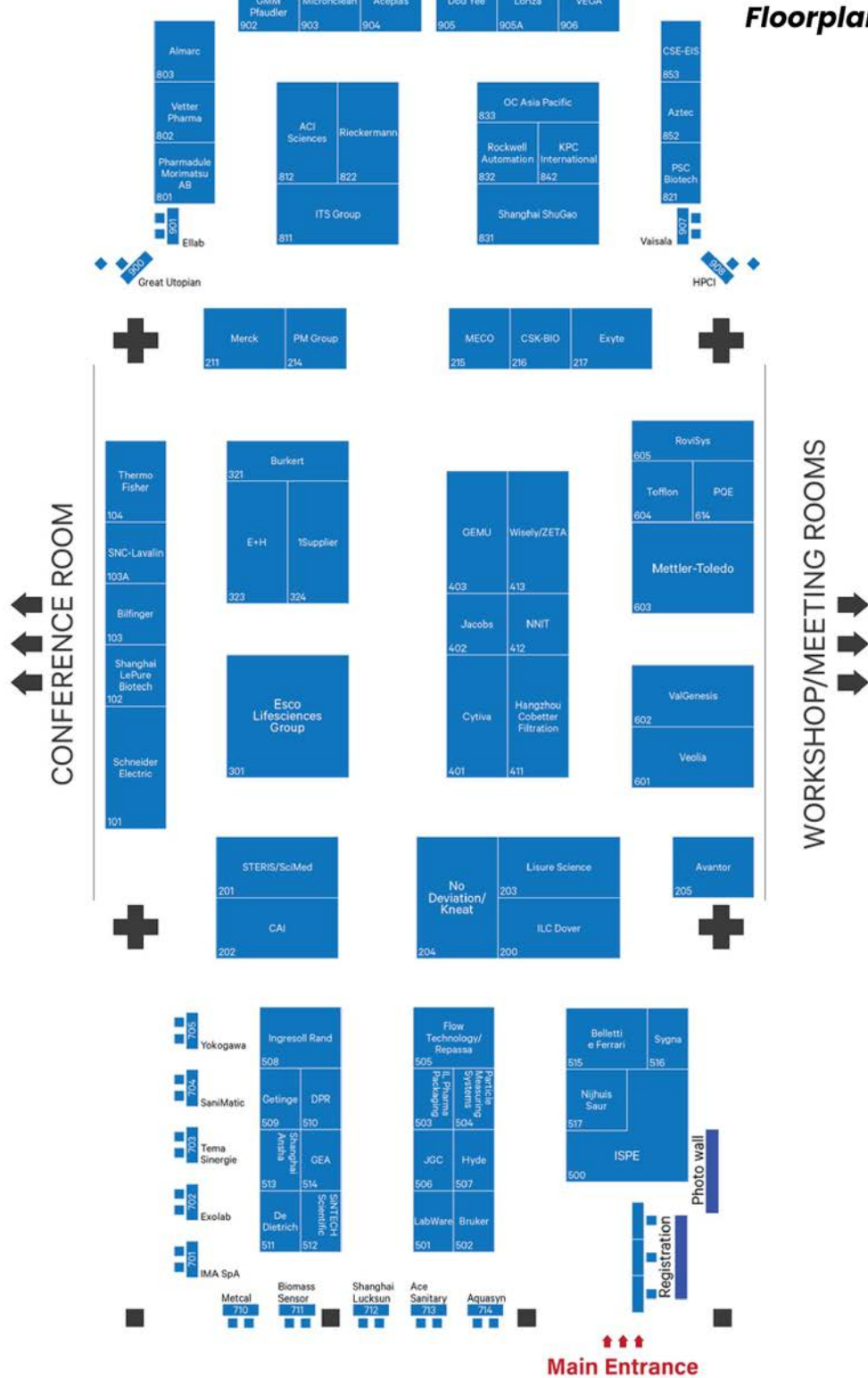
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EXHIBITION POWER HOUR TALKS | 24 AUG 2023

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| | Talk 1 | Talk 2 | Talk 3 | Talk 4 |
|---------------|--|---|--|---|
| 11:00 – 11:15 | Exyte Management GmbH | Cobetter Filtration Equipment Co.,LTD | Thermo Fisher Scientific | Ingersoll Rand |
| | Modular Cleanrooms as Digitalization Platform Luca Mussati, VP Technology and Innovation – GBU Biopharma and Life Science | PUPSIT – Strategy for Fulfilling the New EU GMP Annex 1 Aditya Vadrevu, Global Biopharma Technical Specialist | Our CDMO Capability and Expansion Strategy in Singapore Selva G, General Manager | Peace of Mind Solutions for Oil-Free Air Applications Stephen Toh, Director, ITS Singapore |
| 11:20 – 11:35 | Mettler-Toledo | Shanghai Shugao Mechanical and Electrical | Lisure Science (Suzhou) Co., Ltd. | Flow Technology |
| | Real-time Monitoring of Bioburden in Water with Microbial Analyzer Arundhati Samanta, Global Product Manager – Microbial Detection | 1. Introduction to Shugao 2. Shugao BioPharm Capabilities John Stewart, Vice President | Inline Dilution/Conditioning Technology for Buffer Prep Charles Lim, International Business Director | Managing Supply Chain Issues in Custom Process Skid Fabrication Ian Shanahan, Business Development Manager |
| 11:40 – 11:55 | No deviation | Wisely Goba Solutions | Schneider Electric | Rieckermann |
| | New Annex 1 for Sterile Medicinal Products Pierre Winnepeninckx, CEO | High Cell Viability Using Levitronix Pumps Larry Chia, Sales Manager | Bio Process Control System with Integrated Batch/MES Mohan Paladugu, Life Science Solutions Architect | Rieckermann Pharma Engineering and Fill & Finish Solutions Richard Davy, Engineering Director & Tobias Wetzel, Area Sales Manager |
| 12:00 – 12:15 | CAI | ITS (Flow Sciences) | ValGenesis | ILC Dover |
| | The Pathway to FDA Regulatory Approval for Combination Products Sue-Ann Toh, Principal Consultant | HPAPI / High Potency Active Pharmaceutical Ingredients Containment and Process Solutions Steve Janz, VP of International Sales & Business Development | Digitization of Cleaning Validation Life Cycle with Risk Based Principles Sunil Patel, Director – Product Management | Easy, Efficient & Closed Powder Transfer – EZBP Zip Roy Lee, Marketing Manager Asia |

| | Talk 1 | Talk 2 | Talk 3 | Talk 4 |
|-------------|---|---|--|--|
| 4:00 – 4:15 | Wisely Goba Solutions | ITS (SKAN) | STERIS | ValGenesis |
| | High Cell Viability Using Levitronix Pumps Larry Chia, Sales Manager | Isolator Technology Solutions for Aseptic/Toxic Applications Frank Homberger, Regional Sales Director, Asia | Sterility Assurance and Contamination Control for Product Contact Surfaces Yong Jin LEE, Technical Account Manager | Multivariate Statistical Control for Continued Process Verification Rui Silva, Senior Consultant |
| 4:20 – 4:35 | Mettler-Toledo | Endress+Hauser | Cobetter Filtration Equipment Co.,LTD | ILC Dover |
| | LabX integration with LIMS and Agilent OpenLab Rachel Tseng, LabX Specialist | Using Heartbeat Technology to Optimize Instrumentation Calibration Strategy Alex Muller, Senior Expert Industry Manager | Complete Filtration Solutions for Biologics Processes Aditya Vadrevu, Global Biopharma Technical Specialist | Easy, Efficient & Closed Powder Transfer – EZBP Zip Roy Lee, Marketing Manager Asia |
| 4:40 – 4:55 | No deviation | Schneider Electric | ACI Sciences Pte Ltd | Bellelli e Ferrari |
| | Kneat Out-of-The-Box Joon Leong NG, Director | Transforming Lifescience Facility Through Digitalization Honghang Chen, Global Solution Architect – Life Science | Power of Automated Chromatography in Biopharma Research Sakulrat Jitjaruek, International Sale Supervisor | PW/WFI Storage and Distribution José Oliveira, General Manager |
| 5:00 – 5:15 | Endress+Hauser | STERIS | Lisure Science (Suzhou) Co., Ltd. | Shanghai Shugao Mechanical and Electrical |
| | Data Integrity with Information Security Philipp Zumoberhaus, Head of Global Program & Project Management | Annex 1 Highlights on Contamination Control Strategy Zhen Wei HO, Technical Account Manager | Inline Dilution/Conditioning Technology for Buffer Prep Charles Lim, International Business Director | 1. Introduction to Shugao 2. Shugao BioPharm Capabilities John Stewart, Vice President |

EXHIBITION POWER HOUR TALKS | 25 AUG 2023

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| | Talk 1 | Talk 2 | Talk 3 | Talk 4 |
|---------------|---|---|---|---|
| 11:00 – 11:15 | Exyte Management GmbH | Cobetter Filtration Equipment Co.,LTD | ACI Sciences Pte Ltd | Belletti e Ferrari |
| | Modular Cleanrooms as Digitalization Platform Luca Mussati, VP Technology and Innovation – GBU Biopharma and Life Science | Complete Filtration Solutions for Biologics Processes Aditya Vadrevu, Global Biopharma Technical Specialist | Improve Flex & Cut Cogs: World's Largest Bioreactors Bruce Manthey, Vice President – Global Business Development, ABEC, Inc | Media and Chemicals Free Pretreatment for PW/WFI Generation José Oliveira, General Manager |
| 11:20 – 11:35 | No deviation | Wisely Gobar Solutions | ValGenesis | Rieckermann |
| | Design of an ATMP Facility Shanshan LIU, Technical Director | High Cell Viability Using Levitronix Pumps Larry Chia, Sales Manager | Agile Risk and Data-driven Framework for Continuous Manufacturing Lifecycle Management Rui Silva, Senior Consultant | Rieckermann Pharma Engineering and Fill & Finish Solutions Richard Davy, Engineering Director & Tobias Wetzel, Area Sales Manager |
| 11:40 – 11:55 | Mettler-Toledo | Shanghai Shugao Mechanical and Electrical | Lisure Science (Suzhou) Co., Ltd. | Ingersoll Rand |
| | LabX integration with LIMS and Agilent OpenLab Rachel Tseng, LabX Specialist | 1.Introduction to Shugao 2. Shugao BioPharm Capabilities John Stewart, Vice President | Inline Dilution/Conditioning Technology for Buffer Prep Charles Lim, International Business Director | Peace of Mind Solutions for Oil-Free Air Applications Stephen Toh, Director, ITS Singapore |
| 12:00 – 12:15 | CAI | ITS (Flow Sciences) | ILC Dover | Schneider Electric |
| | The Pathway to FDA Regulatory Approval for Combination Products Sue-Ann Toh, Principal Consultant | HPAPI / High Potency Active Pharmaceutical Ingredients Containment and Process Solutions Steve Janz, VP of International Sales & Business Development | Easy, Efficient & Closed Powder Transfer – EZBP Zip Roy Lee, Marketing Manager Asia | Transforming Lifescience Facility Through Digitalization Honghang Chen, Global Solution Architect – Life Science |

| | Talk 1 | Talk 2 | Talk 3 | Talk 4 |
|--------------------|---|---|---|---|
| 3.00 – 3.15 | STERIS | ITS (SKAN) | ILC Dover | Thermo Fisher Scientific |
| | Sterility Assurance and Contamination Control for Product Contact Surfaces Yong Jin LEE, Technical Account Manager | Isolator Technology Solutions for Aseptic/Toxic Applications Frank Homberger, Regional Sales Director, Asia | Easy, Efficient & Closed Powder Transfer – EZBP Zip Roy Lee, Marketing Manager Asia | Tech Transfer, Practical Process Improvement Trend in Sterile Facility Selva G, General Manager |
| 3.20 – 3.35 | Mettler-Toledo | Schneider Electric | Cytiva | Flow Technology |
| | Good Weighing Practice in Pharma & Biotechnology Yu Shen HONG, Asia Pacific Market Manager – Good Weighing Practice | Bio Process Control System with Integrated Batch/MES Mohan Paladugu, Life Science Solutions Architect | Increasing Process Efficiency with High Performance X-Platform Bioreactors by Cytiva Anjan Kodali, Cell Culture & Upstream Specialist | Managing Supply Chain Issues in Custom Process Skid Fabrication Ian Shanahan, Business Development Manager |
| 3:40 – 3:55 | Endress+Hauser | ValGenesis | STERIS | Lisur Science (Suzhou) Co., Ltd. |
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| 4:00 – 4:15 | Kneat | Wisely Global Solutions | Shanghai Shugao Mechanical and Electrical | Cobetter Filtration Equipment Co.,LTD |
| | Digitalisation of CQV – Kneat's New Drawing & Document Management Modules Mark Geldard, Director of Sales, EMEA | High Cell Viability Using Levitronix Pumps Larry Chia, Sales Manager | 1.Introduction to Shugao 2.Shugao BioPharm Capabilities John Stewart, Vice President | PUPSIT – Strategy for Fulfilling the New EU GMP Annex 1 Aditya Vadrevu, Global Biopharma Technical Specialist |

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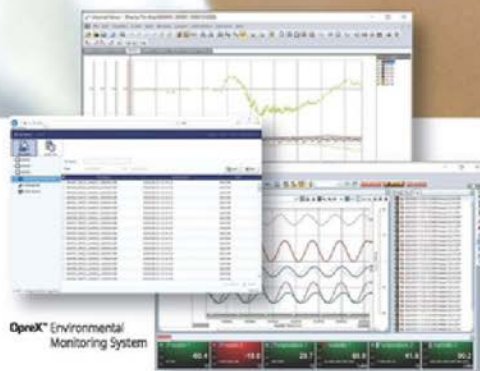
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Wednesday, August 23, 1:35pm SGT - Virtual Room 2

➤ WORKSHOP:

"Building A Sustainable Holistic Data Integrity Program"
Thursday, August 24, 4:15pm SGT - Onsite Only / Room 1

➤ PANEL DISCUSSION:

"Challenges To Digital Emancipation [Freedom]"
Friday, August 25, 9:45am SGT - Plenary Room & Livestream



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➤ CHAIR'S OPENING REMARKS / TRACK B:

Wednesday, August 23, 1:00pm SGT
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