

Global Smart Manufacturing Conference

2020 VIRTUAL EVENT
OCTOBER 20-23, 2020

SENSING CONNECTING PREDICTING

Experts from around the world will gather to share strategies and best known practices (BKMs) with professionals interested in improving their manufacturing data capture & analysis and maintaining business continuity while meeting customer demand. Improve quality, yield, efficiency, security and safety and optimize your ROI.

- 5 Keynotes Featuring Deloitte, IBM, Schneider, Yamaha, Rockwell Automation, NXP
- 6 Case Studies
- 6 Tutorials
- 3 Networking Sessions
- Schedule 1:1 Video Meetings
- Attendee Matchmaking Powered by AI
- Plan Your Schedule & Receive Reminders
- Access presentation On-Demand 24/7 until November 23, 2020

6 Sessions across 3 days + On Demand

October 20: 7:00-11:10 AM & 5:00-9:10 PM PDT

October 21: 7:00-10:10 AM & 5:00-8:10 PM PDT

October 22: 7:00-10:10 AM & 5:00-8:10 PM PDT

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PEERGROUP

TUESDAY, OCTOBER 20, 2020 -- PDT



7:00-7:05 am Welcome Remarks
Ajit Manocha, CEO, SEMI



7:05-7:30 am Conference Opening Address: Smart Manufacturing - Capturing the ROI
Bobby Mitra, Worldwide Director Smart Manufacturing, Texas Instruments
Chair, Americas Chapter, SEMI Smart Manufacturing Initiatives



7:30-8:00 am Conference Keynote - The State of Smart Manufacturing and its Potential Global Impact
Kenneth Norton, Senior Manager, Deloitte



SESSION 1: SENSING 1

8:00-8:30 am Future Implications of Smart Manufacturing and Importance of Sensors
Stéphane Piat, Senior Vice President, Quality & Supply Chain,
Schneider Electric



8:30-9:15 am Sensing 1 - Tutorial - Integrated Sensors: how leveraging the endless miniaturization to tackle the challenges of acquisition
Antoine Dupret, Technical Expert, Research Director, CEA-Leti



9:15-9:35 am Networking Break - time for interacting with Sponsors and Attendees

9:35-10:25 am Sensing 1 - Case Study - Improving Yields and Tool Uptime with Relative Humidity Sensor in Semiconductor Environments
Vidya Vijay, Senior Program Manager, Cybertoptics

10:25-11:10 am Sensing 1 Moderated Breakout Discussions



SESSION 2: SENSING 2

5:00-5:30 pm Smart Manufacturing Opening Address
Bobby Mitra, Worldwide Director Smart Manufacturing, Texas Instruments
Chair, Americas Chapter, SEMI Smart Manufacturing Initiatives



5:30-6:00 pm Conference Keynote
Kenneth Norton, Senior Manager, Deloitte



6:00-6:30 pm Sensing 2 - Keynote - Sensors Applications in Smart Factory Architecture
Ryuhichiro Hattori, Partner, IBM



6:30-7:15 pm Sensing 2 - Tutorial - Using a Multi-Sensor wireless module for IoT applications
Sahil Choudhary, Product marketing Manager, IoT Sensors, TDK Invensense



7:15-7:35 pm Networking Break

7:35-8:25 pm Sensing 2 - Case Study - Core in Situ Sensing Technologies for Semiconductor Smart Manufacturing
Steve Lakeman & Niall Macgearailt, Inficon

8:25-9:10 pm Sensing 2 Moderated Breakout Discussions

WEDNESDAY, OCTOBER 21, 2020 - 7:00-10:10 AM PDT

SESSION 3 - CONNECTING 1



7:00-7:30 am Connecting 1 - Bringing the Connected Enterprise to Life for Semiconductor Manufacturing
Sujeet Chand, Chief Technical Officer & Senior Vice President
Rockwell Automation



7:30-8:15 am Connecting 1 - Tutorial - The Networking Journey: From Fieldbus to the Connected Enterprise
Vivek Hajarnavis, Business Development Manager, Technology Adoption,
Rockwell Automation

8:15-8:35 am Networking Break



8:35-9:25 am Connecting 1 Case Study - Big Data Analytics and AI Deployment in Semiconductor Manufacturing
Dr. Michel Waldemar & Dr. Janus Smirnov, Bosch

10:25-11:10 am Connecting 1 - Moderated Breakout Discussions

WEDNESDAY, OCTOBER 21, 2020 - 5:00-8:10 PM PDT

SESSION 4 - CONNECTING 2



5:00-5:30 pm Connecting 2 - Keynote
Ayako Egashira, Executive General Manager of Robotics Operations, Yamaha Motor



5:30-6:15 pm Connecting 2 - Tutorial - Surface Mount Technology Quality Improvement Through Machine Communication, Factory Information System and Database Integration
Dr. Daehan Won, Assistant Professor, SUNY Binghamton

6:15-6:35 pm Networking Break



6:35-7:25 pm Connecting 2 Case Study - The Smart way to Enable the Connection of Legacy Equipment
Manoj Betawar, Co-founder & CTO,
Sapphire Automation

7:25-8:10 pm Connecting 2 - Breakout Discussions



THURSDAY, OCTOBER 22, 2020 - 7:00-10:10 AM PDT

SESSION 5 - PREDICTING 1



7:00-7:30 am Predicting 1 - Keynote - The Importance of Integrated Predictive Systems
Steve Frezon, Senior Vice President of Front End Operations, NXP



7:30-8:15 am Predicting 1 - Tutorial - Planning, Qualification Management and Scheduling in Semiconductor Manufacturing
Stéphane Dauzère-Pérès, Professor, Mines Saint-Etienne, France

8:15-8:35 am Networking Break



8:35-9:25 am Predicting 1 - Case Study - How Different Fabs can Benefit Directly from an Intelligent Infrastructure
Ian Bone, Industrial Engineering Manager, Broadcom

10:25-11:10 am Predicting 1 - Moderated Breakout Discussions

THURSDAY, OCTOBER 22, 2020 - 5:00-8:10 PM PDT

SESSION 6 - PREDICTING 2



5:00-5:30 pm Predicting 2 - Keynote - The Critical Role Artificial Intelligence and Smart Systems Plays in Manufacturing
Koen de Backer, VP, Smart Manufacturing and Artificial Intelligence, Micron



5:30-6:15 pm Predicting 2 - Tutorial - Digital Transformation and Intelligent Logistics Across the OEM Infrastructure
Young Jae Jang, Professor, KAIST

6:15-6:35 pm Networking Break

6:35-7:25 pm Predicting 2 Case Study - AI-based Asset Management: Fast-track Continuous Improvement for Semiconductor Manufacturers
James Na & Stewart Chalmers, BISTel

7:25-8:10 pm Predicting 2 - Moderated Breakout Sessions