

Chairperson's Opening Remarks

10:00 - 10:10

Day 1 Shared Headliners: Industrial IoT, Smart Cities, IoT Security

Challenging the status quo in times of adversity: Key updates for the industry

10:15 - 10:35

Day 1 Shared Headliners: Industrial IoT, Smart Cities, IoT Security

- How are organizations rapidly transforming outdated ways of thinking in the middle of a crisis to come out the other side stronger?
- A look back on 2020: Lessons learned and success stories
- Understand how the perceived value of IoT and tech has changed and evolved compared to pre-pandemic

Harnessing technology to manage pandemic response in the city

10:40 - 11:00

Day 1 Shared Headliners: Industrial IoT, Smart Cities, IoT Security

- A look at how technologies from 5G to edge computing have played important roles in city pandemic management
- The increased need for security during a vulnerable time: What are government officials doing to ensure safety through IoT?
- Utilizing tech for effective track & trace: What's worked and what hasn't?

Data: The common thread between smart cities, I/IoT, and cybersecurity

11:05 - 11:25

Day 1 Shared Headliners: Industrial IoT, Smart Cities, IoT Security

- Why is Data the common thread between these three disciplines/initiatives?
 - Smart Cities = Smart Services and how can you deliver these services w/o data?
- I/IoT is all predicated on data to deliver industrial/enhanced personal services in an easily consumed manner
 - interesting in that specifically with IIoT, a big reason why we're seeing the convergence of OT and IT is because of data
- Cybersecurity has always been about data . . .
 - this is why solutions like SIEMs and ML/AI in cybersecurity are so hot
 - the lowest common denominator is data
- Smart Cities
 - data management is critical
 - what data are IoT devices collecting as part of your org's Smart City initiative?
 - are you prepared to talk data privacy?
- IIoT
 - what is your objective for IIoT? Operational maturity? Advanced analytical usage such as lifecycle cost analysis or forecasting models, or all the above?
 - These services, regardless of objective, all require data. What is different is the type and variety of data needed based on use case
- Cybersecurity
 - IoT is the new frontier, the UNKNOWN frontier
 - most organizations don't have their arms around IoT assets and the data that they either generate and/or collect
 - if this is the case, how can a company measure cyber risk if they can't even tell what is present?
 - IoT is contextual as well - a camera pointing at a wall may not be a big deal but the same camera pointing at the entrance of a research facility is another one completely
 - data is what cybersecurity lives and dies by
 - EVERYTHING that cybersecurity values is fundamentally driven by data
 - threat feeds/intelligence
 - automation and orchestration
 - getting rid of white noise to get to patient zero
 - while use cases for data might be different, an organization's ability to get its arm around data is critical to its success
 - IoT, if it is not the largest source of data within an organization, will be in the future most likely
 - where to start
 - pick a data management framework
 - align your org's strategic goals and objectives to that of a mature data management program
 - take bite sized chunks as resource and timing allow, trying to take advantage of management approved initiatives to kill 2 birds . . .

Participants

Lester Godsey - Chief Information Security Officer (CISO), Maricopa County, Arizona

Speaker Q&A Room

11:30 - 12:00

Day 1 Shared Headliners: Industrial IoT, Smart Cities, IoT Security

Take control of your virtual experience by actively participating in our dedicated speaker Q&A rooms. It has never been easier to get to the bottom of your most pressing questions, so seize the opportunity to directly engage with trailblazers and watch the discussion evolve in front of you.

Scheduled at selected breaks throughout the three days, take a look at the agenda now to plan your event in advance and ensure you don't miss out.

Alleviating challenges and threats to IoT security in the sudden shift to a more digital world

12:05 - 12:25

Day 1 Shared Headliners: Industrial IoT, Smart Cities, IoT Security

With the impact of COVID-19, how will this impact your business? As remote working has become the new normal, there are several challenges and risks with networks and the ability for hackers to easily access people's information. This session will cover:

- Learning how to secure your device, networks and applications with IoT
- Keeping your valuable data secure
- Prepare not only to react proactively to potential hacks, but how to recover resiliently in the case that this does happen

Panel Discussion - Action investment in IoT to thrive in the new normal and propel digital transformation

12:30 - 13:00

Day 1 Shared Headliners: Industrial IoT, Smart Cities, IoT Security

As we adapt to the sudden changes, what are some ways your organization can achieve true ROI? Join this panel discussion to tackle:

- Overcoming IT/OT integration challenges with your organization and enhancing project leadership and workforce skills
- How the 'new normal' in the workplace has heightened security challenges and increased the need for more robust security solutions and protocols
- How can you successfully win buy-in for IoT investments when the value is obvious?

Speaker Q&A Room

13:05 - 13:35

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Speed Networking

13:40 - 14:25

Day 1 Shared Headliners: Industrial IoT, Smart Cities, IoT Security

Worried that you won't create impromptu connections at a virtual conference? Join one of our 45-minute speed networking sessions as part of the shared headliners across all three events: Industrial, Smart Cities and IoT Security.

Impress our judges and be in with a chance of winning! You will be broken up into intimate virtual groups via our random selection tool where you will work together to build a proposition which can tackle a hypothetical challenge.

Attendance is limited so register now to claim your spot.

Protect and prevent: Securing business and customer data while enabling collaboration

14:30 - 14:50

Industrial IoT Keynotes

- The double-edged sword of blockchain: Security's holy grail or a mistake in the making?
- Cut through the noise to understand who actually owns what data
- How are organizations driving behaviour to strengthen systems against threats?
- Discover the best tools and techniques for penetration testing on existing IoT devices and networks

A glimpse into Michelin's digital transformation journey: Successes and lessons learned

14:55 - 15:15

Industrial IoT Keynotes

- How can you successfully begin introducing digital transformation into your organization?
- People and their capabilities matter more than tech: The roadmap to getting colleagues bought in and embracing Industry 4.0
- Broaden understanding of the impact that digital transformation will have from data and systems to existing organizational structures and business processes

Participants

Eric Chanot - Chief Digital Officer, Michelin

Breaking down the siloes: Unlocking value in seemingly infinite data streams

15:20 - 15:40

Industrial IoT Keynotes

- Overcome data decision paralysis with key metrics to get to the core of what data really matters
- Find the best application for your data to ensure the amount you generate isn't cost prohibitive
- Discover the best way to store masses of data so it doesn't just sit unused
- Connecting data across the entire manufacturing base and applying success at scale

Speaker Q&A Room

15:45 - 16:15

Industrial IoT Keynotes

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Panel Discussion: Supply chain, manufacturing and healthcare: Working together through a global market upheaval

16:20 - 16:50

Industrial IoT Keynotes

- Planning for demand in an unpredictable time: A look at the role IIoT has played in enabling quick turnaround for manufacturing of PPE and other essential equipment
- With social distancing measures in place, explore how hospitals and organizations are utilizing connectivity tech to remotely consult with patients, workers, and clients
- How are hospitals utilizing sensors normally found in the supply chain to track and trace medical blood testing and finding innovative ways to keep people safe?

Participants

Panelist: Kunal Punjabi - USA Sector Head, Life Sciences & Chemicals, DHL

Panelist: George Grahovac - Assistant Vice President, Honda NA Supply Chain, Honda Manufacturing of America

Industrial IoT World Speaker Q&A Room

16:55 - 17:25

Industrial IoT Keynotes

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Networking Happy Hour

17:30 - 18:30

Without leaving the comfort of your home (or office!), join us on December 1st at 5pm ET for informal IoT trivia hosted by an industry expert and unwind with fellow professionals after a long day of absorbing content.

This is your last chance to meet with attendees from all three events, so make the most of it! Discuss your favourite sessions and wrap up your experience by creating meaningful connections.

Take part in our poll to decide what questions you want to see covered on Swapcard a week before the event goes live.

SCHEDULE

2020 INDUSTRIAL IOT WORLD DAY 1 - 01/12/2020

Industrial IoT World Virtual Conference & Expo 2020

Virtual Event
December 1 - 3, 2020
10 am - 6 pm ET | 7 am - 2 pm PT

| TIME | DAY 1 SHARED HEADLINERS: INDUSTRIAL IOT, SMART CITIES, IOT SECURITY | INDUSTRIAL IOT KEYNOTES |
|-------|--|---|
| 10:00 | <p>10:00 - Chairperson's Opening Remarks</p> <p>10:15 - Challenging the status quo in times of adversity: Key updates for the industry</p> <p>10:40 - Harnessing technology to manage pandemic response in the city</p> | |
| 11:00 | <p>11:05 - Data: The common thread between smart cities, I/IoT, and cybersecurity</p> <p>11:30 - Speaker Q&A Room</p> | |
| 12:00 | <p>12:05 - Alleviating challenges and threats to IoT security in the sudden shift to a more digital world</p> <p>12:30 - Panel Discussion - Action investment in IoT to thrive in the new normal and propel digital transformation</p> | |
| 13:00 | <p>13:05 - Speaker Q&A Room</p> <p>13:40 - Speed Networking</p> | |
| 14:00 | | <p>14:30 - Protect and prevent: Securing business and customer data while enabling collaboration</p> <p>14:55 - A glimpse into Michelin's digital transformation journey: Successes and lessons learned</p> |
| 15:00 | | <p>15:20 - Breaking down the siloes: Unlocking value in seemingly infinite data streams</p> <p>15:45 - Speaker Q&A Room</p> |
| 16:00 | | <p>16:20 - Panel Discussion: Supply chain, manufacturing and healthcare: Working together through a global market upheaval</p> <p>16:55 - Industrial IoT World Speaker Q&A Room</p> |
| 17:00 | <p>17:30 - Networking Happy Hour</p> | <p>17:30 - Networking Happy Hour</p> |

Chairperson's opening remarks

10:00 - 10:10
Industrial IoT Keynotes

Participants

Alex West - Senior Principal Analyst - Manufacturing Technology, Omdia

Digital aviation: How AI is transforming the aviation industry

10:15 - 10:35
Industrial IoT Keynotes

Participants

Satyen Yadav - Chief Development Officer and Chief Technology Officer, Boeing

Filling the void of fewer workers in the plant with Industrial IoT

10:40 - 11:00
Industrial IoT Keynotes

- Is human monitoring as worthwhile as we once thought or can an IoT solution minimize risk and save costs?
- Make the most of the "new normal" with automation adoption to reduce demand for workers
- The use of remote monitoring for decreased reliance on the physical workforce

Panel Discussion - Redefine outdated business models in a traditional industrial landscape

11:05 - 11:35
Industrial IoT Keynotes

- It's not all about the tech! Discover the most effective ways to change culture and get everyone bought into IIoT
- Don't run the risk of getting left behind in an uncertain terrain: Discover how major players are updating business models quickly and effectively
- The evolution into as-a-service IoT products: What is the best business model for the monetization of Industry 4.0?

Participants

Moderator: Stephen Mellor - CTO, Industrial Internet Consortium

Panelist: Marilyn N. Glass-Hedges, PhD. - IT Industry 4.0 Lead, Industrial & Systems Engineering Leader for CI and i4.0, Daimler Trucks North America

Panelist: Matt Dinslage - North America Industrial Manager, ExxonMobil

Industrial IoT World Speaker Q&A Room

11:40 - 12:10

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Industrial IoT World Speed Networking

12:15 - 12:55

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The future of business technology and healthcare in light of COVID-19

13:00 - 13:20

- Navigating unstable and uncertain markets: Utilizing technology to cut costs and minimize expenditure
- With the future of industry now relying so heavily on technology, ensure you are prioritizing Industry 4.0 investments
- Understand how IoT can be used for human monitoring to keep patients safe both physically and through cybersecurity

Participants

Varun Ramdevan - Global Digital Innovation Lead, Johnson & Johnson

Unleash the power of predictive maintenance for decreased downtime

13:25 - 13:45

- Utilize predictive maintenance to remotely monitor machinery and reduce demand for manpower on the plant floor
- The benefits of human-led predictive maintenance: Techniques for building actual intelligence into approaches
- Turn data to action to ensure machinery is running as effectively as possible

IT/OT convergence: Getting every team on board for successful IIoT adoption and execution

13:50 - 14:10

- Explore where key responsibilities should lie for OT and IT to alleviate confusion and pushback
- Deep dive into the different strategies for bridging the gap between operations, maintenance, engineering, and IT
- Ensure you are including the entire organisation in IIoT roll out to successfully digitally transform
- A look at security threats tied to a lack of cross-organizational communication

Participants

Rui Marreiros Cacao - Director Digital Manufacturing Operations, Nestlé Purina Americas

Speaker Q&A Room

14:15 - 14:45

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Panel Discussion - Redefining plant automation with AI: More than just a pipedream?

14:50 - 15:20

- Implementing AI into old, legacy infrastructure successfully for upgraded insights
- Harness AI cameras which can remotely monitor the plant and flag hazardous conditions when no one is around
- Capitalize on the data insights gleaned from AI to drive business forward

Participants

Moderator: Steve Griffith - Industry Director, Transportation Systems and Cybersecurity, National Electrical Manufacturers Association (NEMA)

SESSIONS

2020 INDUSTRIAL IOT WORLD DAY 2 - 02/12/2020

Industrial IoT World Virtual Conference & Expo 2020

Virtual Event

December 1 - 3, 2020

10 am - 6 pm ET | 7 am - 2 pm PT

Industrial IoT World Speaker Q&A Room

15:25 - 15:55

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Supply chain deep dive: Keeping the world moving in a time of uncertainty

16:00 - 16:20

- Understand key challenges the supply chain has faced from relying too heavily on one geographic location to lack of transparency
- Utilizing connectivity to track independent fleets who have been added to deal with the rise in demand
- A look at the "cold chain" in light of COVID-19: Keeping drugs at optimal temperatures as they travel

Participants

Henry Akwa-Mensah - Director International Supply Chain - Digital Transformation & Mobility, Walmart

The future of automation and robotics in today's landscape

16:25 - 16:45

- As robotics have become more mainstream, how are players customizing to suit their own manufacturing processes?
- A look to the future and the possibility of increased automation for building everyday products

Dive into the entire tech stack to reduce bottlenecks, optimize processes and minimize downtime

16:50 - 17:10

- Harness automation and AI to create a cheaper, streamlined workstream
- What are the key learnings being taken from the current market conditions to reduce downtime?
- Explore the possibility of digital twins to reduce operating costs and extend the life of equipment and assets

Participants

Marylin N. Glass-Hedges, PhD. - IT Industry 4.0 Lead, Industrial & Systems Engineering Leader for CI and i4.0, Daimler Trucks North America

Industrial IoT World Speaker Q&A Room

17:15 - 17:45

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SCHEDULE

2020 INDUSTRIAL IOT WORLD DAY 2 - 02/12/2020

Industrial IoT World Virtual Conference & Expo 2020

Virtual Event
December 1 - 3, 2020
10 am - 6 pm ET | 7 am - 2 pm PT

| TIME | INDUSTRIAL IOT KEYNOTES |
|-------|--|
| 10:00 | 10:00 - Chairperson's opening remarks 10:15 - Digital aviation: How AI is transforming the aviation industry 10:40 - Filling the void of fewer workers in the plant with Industrial IoT |
| 11:00 | 11:05 - Panel Discussion - Redefine outdated business models in a traditional industrial landscape 11:40 - Industrial IoT World Speaker Q&A Room |
| 12:00 | 12:15 - Industrial IoT World Speed Networking |
| 13:00 | 13:00 - The future of business technology and healthcare in light of COVID-19 13:25 - Unleash the power of predictive maintenance for decreased downtime 13:50 - IT/OT convergence: Getting every team on board for successful IIoT adoption and execution |
| 14:00 | 14:15 - Speaker Q&A Room 14:50 - Panel Discussion - Redefining plant automation with AI: More than just a pipedream? |
| 15:00 | 15:25 - Industrial IoT World Speaker Q&A Room |
| 16:00 | 16:00 - Supply chain deep dive: Keeping the world moving in a time of uncertainty 16:25 - The future of automation and robotics in today's landscape 16:50 - Dive into the entire tech stack to reduce bottlenecks, optimize processes and minimize downtime |
| 17:00 | 17:15 - Industrial IoT World Speaker Q&A Room |

Where are we now with connectivity? Harness advanced wireless networks including 5G for industrial applications

10:00 - 10:20

- Finding the sweet spot for connectivity tech, from LoRa to NB-IoT to WiFi to Bluetooth, based on the application
- Setting up the best connectivity infrastructure in legacy environments for successful IoT projects
- Building connectivity in rural plants and factories with limited connected systems
- Utilize connectivity for sensors on pallets, carts, and roll carts to keep an eye on valuable goods within the factory and in the supply chain

Harness IIoT and AR to drive factory productivity

10:25 - 10:45

- A look at how AR can provide every member of the industrial workforce with relevant, contextual, and customized information into their field of view
- Understand how AR can be used in a diverse range of geographic plant locations where workers may not all be fluent in the same language
- Utilize AR to service complicated pieces of equipment with few experienced personnel

Participants

Peri Subrahmanya - Principal Engineer, Operations, Bayer Crop Science, US

Panel Discussion - Successfully transitioning from pilot to full-scale deployment

10:50 - 11:20

- Calculating the sustainable scale: How much value needs to be created to prove ROI?
- Hear from industry leaders who have successfully upscaled their business with IIoT
- A look at the bigger picture: Proving long-term ROI on legacy infrastructure where initial costs are much higher
- Prove the necessity for equipment before the data does so you don't get left behind

Participants

Panelist: Alejandro Meana - Global Digital Manufacturing Lead, Beam Suntory

Panelist: Sai Yamanoor - Senior IoT Applications Engineer, Linde

Industrial IoT World Speaker Q&A Room

11:25 - 11:55

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Manufacturing Workshop

12:00 - 12:45

IIoT Vertical Workshops - Manufacturing & Automotive

Uncover the power of digital twins in the factory, from workforce wellbeing to process optimization

Supply Chain Workshop

12:00 - 12:45

IIoT Vertical Workshops - Supply Chain & Oil & Gas

Overcoming the vast challenge of supply chain inefficiencies with Industrial IoT

Automotive & Fleet Management Workshop

12:50 - 13:35

IIoT Vertical Workshops - Manufacturing & Automotive

- V2X in the fleet: Creating an autonomous supply chain future

Oil & Gas Workshop

12:50 - 13:35

IIoT Vertical Workshops - Supply Chain & Oil & Gas

Discover the value of IIoT from drilling management to carbon footprint control for minimized risks and decreased downtime

SCHEDULE

2020 INDUSTRIAL IOT WORLD DAY 3 - 03/12/2020

Industrial IoT World Virtual Conference & Expo 2020

Virtual Event
December 1 - 3, 2020
10 am - 6 pm ET | 7 am - 2 pm PT

| TIME | IIOT VERTICAL WORKSHOPS - MANUFACTURING & AUTOMOTIVE | IIOT VERTICAL WORKSHOPS - SUPPLY CHAIN & OIL & GAS |
|--------------|--|--|
| 10:00 | 10:00 - Where are we now with connectivity? Harness advanced wireless networks including 5G for industrial applications 10:25 - Harness IIoT and AR to drive factory productivity 10:50 - Panel Discussion - Successfully transitioning from pilot to full-scale deployment | 10:00 - Where are we now with connectivity? Harness advanced wireless networks including 5G for industrial applications 10:25 - Harness IIoT and AR to drive factory productivity 10:50 - Panel Discussion - Successfully transitioning from pilot to full-scale deployment |
| 11:00 | 11:25 - Industrial IoT World Speaker Q&A Room | 11:25 - Industrial IoT World Speaker Q&A Room |
| 12:00 | 12:00 - Manufacturing Workshop 12:50 - Automotive & Fleet Management Workshop | 12:00 - Supply Chain Workshop 12:50 - Oil & Gas Workshop |