

SESSIONS

2020 IOT WORLD AGENDA AT A GLANCE -

IoT World Conference and Expo 2020 | The Leading IoT Event

April 6 - 9, 2020
San Jose Convention Center
CA, USA

Monday April 06 - Executive Keynotes Day and IoT World Awards & Gala Dinner

7:30am - 9:00pm
April 6, 2020

8.30 am - 9.30 am: Informa Tech Research IoT Market Updates

9.30 am - 4.00 pm: Executive Keynotes Day

4.00 pm - 6.00 pm: Exhibition Opening & Booth Crawl

5.30 pm - 6.30 pm: VIP Power Hour/Pre Awards Drinks Reception

6.30 pm - 8.30 pm: IoT World Awards & Gala Dinner

Tuesday April 07: Morning Keynotes, 9 Conference Tracks and Exhibition

7:30am - 7:30pm
April 7, 2020

7.30 am - 8.30 am: IoT Enablers Breakfast Briefings - 5G, LPWAN, AI, Edge, Security

8.40 am - 10.40 am: Morning Executive Keynotes

11.30 am - 5.40 pm: 9x Conference Tracks

4x IoT in Industry Conferences

- Manufacturing
- Smart Buildings & Energy Management
- Smart Cities
- Connected & Autonomous Vehicles

IoT World 5G & Connectivity Conference

IoT World Artificial Intelligence Conference

IoT World Edge Computing Conference

IoT World Developer Conference

Wednesday, April 08: Morning Keynotes, 9 Conference Tracks and Exhibition

7:30am - 9:00pm
April 8, 2020

7.30 am - 8.30 am: IoT Enablers Breakfast Briefings - 5G, LPWAN, AI, Edge, Security

8.40 am - 10.40 am: Morning Executive Keynotes

11.30 am - 5.40 pm: 9x Conference Tracks

4x IoT in Industry Conferences

- Manufacturing
- Supply Chain & Logistics
- Energy & Resources
- Connected & Autonomous Vehicles

IoT World 5G & Connectivity Conference

IoT World Artificial Intelligence Conference

IoT World Security Conference

IoT World Developer Conference

Thursday, 09 April - Post Conference Workshop & Training Day

7:30am - 5:30pm
April 9, 2020

Conference: Silicon Valley AgTech Conference

Workshops:

- Intelligent Transport Systems, *held by the Industrial Internet Consortium*
- IoT in the Channel, *held by Channel Partners and Channel Futures*
- Eclipse IoT Day, *held by the Eclipse Foundation*

SCHEDULE

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TIME	APRIL 6, 2020	APRIL 7, 2020	APRIL 8, 2020	APRIL 9, 2020
7:00AM	7:30am - Monday April 06 - Executive Keynotes Day and IoT World Awards & Gala Dinner	7:30am - Tuesday April 07: Morning Keynotes, 9 Conference Tracks and Exhibition	7:30am - Wednesday, April 08: Morning Keynotes, 9 Conference Tracks and Exhibition	7:30am - Thursday, 09 April - Post Conference Workshop & Training Day

SESSIONS

IoT WORLD DAY ONE - EXECUTIVE KEYNOTE DAY -
06/04/2020

IoT World Conference and Expo 2020 | The Leading
IoT Event

April 6 - 9, 2020
San Jose Convention Center
CA, USA

IoT Market Updates and Forecast presented by Informa Tech's Research Teams - Ovum, IHS Markit Technology, Heavy Reaching and Tractica

8:30am - 9:30am
Executive Keynotes

Participants

Speaker: Alexandra Rehak - Practice Leader, IoT, Ovum

Speaker: Liz Cruz - Associate Director, IoT & Smart Cities, IHS Markit

Speaker: Alex West - Principal Analyst, Smart Manufacturing & Industrial Communications, IHS Markit

Speaker: Stephen Bell - Senior Analyst, Light Reading

Welcome Address from the City of San Jose

9:30am - 9:35am
Executive Keynotes

Chairperson's Opening Remarks

9:35am - 9:40am
Executive Keynotes

The Next Wave of IoT – The Convergence of 5G/Edge/AI to Deliver End to End Digitalization

9:40am - 10:00am
Executive Keynotes

Adopting and Delivering IoT Centred Digital Business Models

10:00am - 10:20am
Executive Keynotes

Morning Networking Break

10:20am - 10:50am
Executive Keynotes

thyssenkrupp North America IoT Talk: Session TBC

10:50am - 11:10am
Executive Keynotes

Participants

Speaker: Patrick Bass - CEO and President, thyssenkrupp North America, Inc.

Unlocking IoT's Full Potential

11:10am - 11:30am
Executive Keynotes

Participants

Speaker: Yasir Qureshi - Vice President, IoT Go-to-Market, Software AG

IoT Procurement Frameworks – 3rd Party Due Diligence Through the Channel

11:30am - 11:50am
Executive Keynotes

Keynote Panel Discussion: IT, OT, Technology and Business – Who and How do you Collaborate Internally and with Partners to Deliver your Desired Outcomes with IoT?

11:50am - 12:30pm
Executive Keynotes

Lunch Break including Leaders In IoT Roundtable Discussions

12:30pm - 1:30pm
Executive Keynotes

Keynote Presentation: Towards Sustainable Connected Mobility

1:30pm - 1:50pm
Executive Keynotes

Participants

Speaker: Ralph Dimenna - Senior Vice President, Services and Solutions, Michelin

Digitizing Industrial Automation - Fast, Flexible, and Free of Wires

1:50pm - 2:10pm
Executive Keynotes

IoT + AI = Digital Transformation?

2:10pm - 2:30pm
Executive Keynotes

Participants

Speaker: Manohar Paluri - Director, Facebook AI, Facebook

Afternoon Break plus Keynote Speakers Greenroom Access for VIPs and Press

2:30pm - 2:50pm
Executive Keynotes

Digital as an Enabler to Customer Success

2:50pm - 3:10pm
Executive Keynotes

Participants

Speaker: Tom Bucklar - Director of Digital Portfolio Management, Cat Digital, Caterpillar Inc.

IoT in Disaster Management: Saving Lives with Early Warning

3:10pm - 3:30pm
Executive Keynotes

Keynote Panel Discussion: Investing in IoT – Where are Investors Seeing the Returns?

3:30pm - 4:00pm
Executive Keynotes

Participants

Speaker: Ben Steven - Associate Partner, Momenta Ventures

Exhibition Opens, Booth Crawl Commences

4:00pm - 6:00pm
April 6 Exhibition Times: 4.00-6.00pm

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IoT WORLD DAY ONE - EXECUTIVE KEYNOTE DAY -
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IoT World Awards & Gala Dinner

6:30pm - 8:30pm

IoT World Awards and Gala Dinner

Your chance to be recognized among IoT's elite

As the main evening networking event at IoT World, the Awards Gala Dinner will attract the Who's Who of IoT. Winners will be announced at the IoT World Awards Gala & Dinner on April 6, 2020 in San Jose, California. Submit your entry by January 16!

Submit your free entries here

Technologies

- Best Industrial IoT Solution
- Best Edge Computing Solution
- Best IoT Connectivity Solution
- Best IoT Platform
- Best IoT Security Solution
- Best Consumer IoT Solution

Deployments

- Best Manufacturing IoT Deployment
- Best Energy IoT Deployment
- Best Automotive IoT Deployment
- Best Healthcare IoT Deployment
- Best Public Sector IoT Deployment
- Best Consumer IoT Deployment

Ecosystem Development

- IoT Partnership of the Year
- Startup of the Year

See more at <https://tmt.knect365.com/iot-world/iot-world-awards>

SCHEDULE

IoT WORLD DAY ONE - EXECUTIVE KEYNOTE DAY -
06/04/2020

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IoT Event

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TIME	APRIL 6 EXHIBITION TIMES: 4.00-6.00PM	EXECUTIVE KEYNOTES
8:00AM		8:30am - IoT Market Updates and Forecast presented by Informa Tech's Research Teams - Ovum, IHS Markit Technology, Heavy Reaching and Tractica
9:00AM		9:30am - Welcome Address from the City of San Jose 9:35am - Chairperson's Opening Remarks 9:40am - The Next Wave of IoT – The Convergence of 5G/Edge/ AI to Deliver End to End Digitalization
10:00AM		10:00am - Adopting and Delivering IoT Centred Digital Business Models 10:20am - Morning Networking Break 10:50am - thyssenkrupp North America IoT Talk: Session TBC
11:00AM		11:10am - Unlocking IoT's Full Potential 11:30am - IoT Procurement Frameworks – 3rd Party Due Diligence Through the Channel 11:50am - Keynote Panel Discussion: IT, OT, Technology and Business – Who and How do you Collaborate Internally and with Partners to Deliver your Desired Outcomes with IoT?
12:00PM		12:30pm - Lunch Break including Leaders In IoT Roundtable Discussions
1:00PM		1:30pm - Keynote Presentation: Towards Sustainable Connected Mobility 1:50pm - Digitizing Industrial Automation - Fast, Flexible, and Free of Wires
2:00PM		2:10pm - IoT + AI = Digital Transformation? 2:30pm - Afternoon Break plus Keynote Speakers Greenroom Access for VIPs and Press 2:50pm - Digital as an Enabler to Customer Success
3:00PM		3:10pm - IoT in Disaster Management: Saving Lives with Early Warning 3:30pm - Keynote Panel Discussion: Investing in IoT – Where are Investors Seeing the Returns?
4:00PM	4:00pm - Exhibition Opens, Booth Crawl Commences	
5:00PM		
6:00PM	6:30pm - IoT World Awards & Gala Dinner	6:30pm - IoT World Awards & Gala Dinner

SESSIONS

IoT WORLD DAY TWO - KEYNOTES, 9X CONFERENCE TRACKS & EXHIBITION - 07/04/2020

IoT World Conference and Expo 2020 | The Leading IoT Event

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Analyst Breakfast Briefings

7:30am - 8:30am
Analyst Breakfast Briefings

Participants

Roundtable Leader: Sam Lucero - Associate Director, IoT, IHS Markit

Chairperson's Opening Remarks

8:40am - 8:50am
Executive Keynotes

Utilizing the right model to Drive productivity for Digital Industrial Leadership

8:50am - 9:10am
Executive Keynotes

Achieving Intelligent Resiliency: Creating a multi-purpose platform and connecting IoT devices to deliver a seamless service

9:10am - 9:30am
Executive Keynotes

Embedded Intelligence for the Next Wave of Smart Systems – Opportunities and Challenges on the Edge

9:30am - 9:50am
Executive Keynotes

Massive vs Tiny IoT – Commercializing IoT touchpoints via 5G, LTE-M, NB-IoT, LPWANs and Satellite

9:50am - 10:10am
Executive Keynotes

Panel: Moving Beyond the Hype of AI, Edge and 5G – How the Convergence of Cutting Edge Technologies are Revolutionizing the IoT Landscape

10:10am - 10:40am
Executive Keynotes

Morning Networking Break

10:40am - 11:30am
Executive Keynotes

Chairman's Opening Remarks: Manufacturing

11:30am - 11:40am
Manufacturing & Supply Chain

Location: Grand Ballroom A

Participants

Chair: Alex West - Principal Analyst, Smart Manufacturing & Industrial Communications, IHS Markit

Creating the smart environment that allows teams to make decisions based on real-time data

11:30am - 11:50am
Smart Buildings & Energy Management

- Quickly and securely integrate with databases
 - Call upon web services or utilize 3rd-party APIs
 - Manage indoor positioning and tracking at any level, for any level of IoT ability
-

Chairman's Opening Remarks: Smart Cities

11:30am - 11:40am
Smart Cities

Location: Grand Ballroom D

Chairpersons Opening Remarks - Connected & Autonomous Vehicles

11:30am - 11:40am
Connected & Autonomous Vehicles

Participants

Stephen Bell - Senior Analyst, Light Reading

Chairman's Opening Remarks: IoT World 5G & Connectivity Conference

11:30am - 11:40am
IoT World 5G & Connectivity Conference

Participants

Alexandra Rehak - Practice Leader, IoT, Ovum

Chairman's Opening Remarks: AI & Machine Learning

11:30am - 11:40am
IoT World Artificial Intelligence Conference

Participants

Mark Beccue - Principal Analyst, Tractica

Chairman's Opening

11:30am - 11:40am
IoT World Edge Computing Conference

Participants

Chair: Jim Davis - Founder, Principal Analyst, Edge Research Group

Chairman's Opening Remarks: Developer Conference

11:30am - 11:40am
IoT World Developer Conference

Expo Opens at 10am!

11:30am - 2:00pm
Exhibition Hours

Presentation: How to Make Sense of Data to Create a Seamless Interconnected System in your Workplace

11:40am - 12:00pm
Manufacturing & Supply Chain

- Creating new sources of data in addition to the already existing data sets in the manufacturing floor, using vision and sensors to shorten the deployment cycle
 - How trusted data management platform will virtually be able to take in data from machines and access this data easily
-

How connectivity is spearheading the next generation of public safety for cities

11:40am - 12:00pm
Smart Cities

Location: Grand Ballroom D

- Connected in emergency response vehicles is extensive, but how can their real time response be ensured in mission critical environments, wherever the location?
 - Securing data collection to adhere to privacy concerns
 - How can new access to real-time data ensure greater interoperability between cities and emergency response?
-

Participants

Ken Hosac - Vice President, Business Development, Cradlepoint

Customer Data: Mitigating Privacy and Security Concerns as New Services are Offered in the Connected Vehicle

11:40am - 12:00pm
Connected & Autonomous Vehicles

- Understanding the privacy concerns associated with enormous of voice data collected by passengers
- Assessing how to judge the level of risk today and prevent data breaches in the future
- What information will be shared? Who has access? How will it be protected?
- Reviewing best practices in other sectors and what lessons can be applied to automotive sector
- Building transparency, consumer trust, and engagement through consent management

5G 101: Taking the Internet of Things to the next level

11:40am - 12:00pm
IoT World 5G & Connectivity Conference

- Explore where IoT is heading with 5G implementations and how to get on board with that commercial reality
- How are major players creating fully interoperable systems which can work on any spectrum?
- Bringing 5G to market: discover where the connectivity technology can fit within your IoT business strategy

Nothing ventured, nothing gained? An honest analysis of the ROI for enterprise AI

11:40am - 12:00pm
IoT World Artificial Intelligence Conference

- Taking stock of current infrastructure assets: How can businesses ensure data exchange is at the forefront on any reengineering of IT, breaking down silos and updating legacy systems
- Build, buy or partner? Navigating cross-ecosystem partnerships to ensure investment in hardware and software assets align with your AI vision
- Managing expectations: Accounting for the uncertainty of pilot AI deployments and rigidity of business structure that can challenge early AI adoption
- Selling AI to the c-suite: building out a business need for adoption
- Investing and building out a dedicated AI team, nurturing internal talent and recognising the key difference in insight between data engineering vs data scientists when deciding on new infrastructure. Recognise employee concerns towards AI as a tool for progression and soothe the growing pains from business optimization across IT and OT teams

Harnessing AI and Edge for IoT Deployments: How AI is a Key Driver for the Success of Edge Computing

11:40am - 12:00pm
IoT World Edge Computing Conference

- Overcoming barriers to work out if the inference is at the cloud or at the edge as AI becomes more infused in applications as it is being processed within the device (must be at the cloud first)
- How intelligent connectivity is being enabled by AI
- Testing the robustness of AI-enabled edge applications and how they gain insight into the performance of connectivity (ie. Between a vehicle and an application hosted within the network)

Exploring development challenges with IoT data

11:40am - 12:10pm
IoT World Developer Conference

- Meet and beat the architectural challenges of digesting and implementing huge volumes of data from the fast-growing number of IoT devices
- Learn to better manage time-series IoT data
- See how organizations mitigate common data challenges
- Extract value through real-time analytics and AI

Panel: Reaping what has been sown: the realities of smart buildings

11:50am - 12:30pm
Smart Buildings & Energy Management

- How manageable is the flood of data flowing in from the edge?
- How successful are attempts to make educated decisions, meet early goals, and begin to see ROI?
- How are energy management solutions performing? Which types of systems seem best suited to specific environments?

Participants

Moderator: David Green - Research Manager - Wireless Power & Smart Utilities Infrastructure, IHS Markit Technology

Panelist: Tobin Richardson - President and CEO, Zigbee Alliance

Panelist: Daniel Campany - Head of IoT Innovation Lab, The Hartford

Panelist: Derek Wright - Global Director of Office, Education, & Municipal Buildings, Signify (Previously known as Philips Lighting)

Panel: Smart Manufacturing as a Driver for Business Outcomes – Investing in Industry 4.0

12:00pm - 12:40pm
Manufacturing & Supply Chain

- A look at the competitive marketplace and how to simplify vendor management?
- How to create revenue streams to be one step ahead in the industry
- How to measure the impact of manufacturing-focused IoT Technology in 2020 while looking ahead to 2025

Participants

Moderator: Alex West - Principal Analyst, Smart Manufacturing & Industrial Communications, IHS Markit

Panelist: Genaro Cardenas - Director IT Digital Supply Chain, The Kellogg Company

Panelist: Sylvain De Laharpe - Industry 4.0 Program Director, MICHELIN

Panel: Resiliency roadmap: Partnering across Cities, utilities and emergency response to ensure public safety for natural disasters

12:00pm - 12:40pm
Smart Cities

- Building the responsive city requires collaboration: When cities or utilities own public infrastructure such as lampposts that collect data or have cameras, what open data standards can ensure this information can be shared with emergency response in real-time. What privacy implications will this entail?
- How can cities invest in machine learning and IoT platforms to identify high-risk areas for disaster and collaborate with local authorities on a comprehensive resiliency plan
- Rebuilding with smart infrastructure that can detect crisis at the heart of design and planning for greater post-disaster rejuvenation

SESSIONS

IoT WORLD DAY TWO - KEYNOTES, 9X CONFERENCE TRACKS & EXHIBITION - 07/04/2020

IoT World Conference and Expo 2020 | The Leading IoT Event

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Panel: New Tech Entrants – Opportunity for Cross-Industry Partnerships or Competition In the Development of Connected Car Services

12:00pm - 12:40pm
Connected & Autonomous Vehicles

- Exploring the growing trend of connected car platforms from tech companies entering the automotive space and providing OEMs with new opportunities for innovation, growth and differentiation
- Evaluating the benefit to tech companies in establishing a new customer interface through mobility services that involve high levels of interaction and engagement with drivers
- Should automakers attempt to compete with tech players or partner with them?
- Examples of successful partnerships - developing a common vision, goals, and capabilities that deliver sustainable value for both parties

Participants

Moderator: Doug Newcomb - Senior Industry Analyst, Wards Intelligence

Jeffrey Kaelin - Vice President, Customer Experience and Product Development, Avis Budget Group

Dan Cauchy - Executive Director of Automotive Grade Linux, Linux Foundation

Panel Discussion – Establishing a fully interoperable and standardized 5G landscape

12:00pm - 12:40pm
IoT World 5G & Connectivity Conference

- Understanding how all spectrums, licensed or otherwise, could have the ability to support IoT through rigorous standards
- With so many different devices being built and adopted by a plethora of various companies, how will they all work together to create a 5G network which works well?
- Explore how 5G will fit in with the already crowded connectivity market and its complementing role with LPWAN networks such as, UNB, NB-IoT, LTE-M, LoRaWAN

Participants

Moderator: Kate Stewart - Senior Director of Strategic Programs, Linux Foundation

Panellist: Dave Fontneau - Director of Communications & Technology, Orange County Sheriff's Department

Panellist: Chris Pearson - President, 5G Americas

Panellist: Pete Wilson - Director, Channel Sales, Telefonica

Panel: Facilitating “as-a-service” business models and the convergence of AI and IoT opening new avenues to revenue

12:00pm - 12:40pm
IoT World Artificial Intelligence Conference

- How is the value chain evolving based on the relationship between AI and IoT?
- Looking beyond optimization: Searching for potential evolution of business models once technology can “learn”
- Diving into the economies of data value: Where can your generated data become an asset across the whole value chain?
- Taking industry examples from insurance and finance to deep-dive into developing business opportunities and crucial partnerships opening new areas of growth

Participants

Jason Schlachter - Senior Strategist - IoT, Stanley, Black & Decker

Panel: Looking toward the High-Speed Future: Building Edge Infrastructure and Enhancing Business Opportunities

12:00pm - 12:40pm
IoT World Edge Computing Conference

- Building a business case that will create short and long-term ROI, while achieving interoperability
- Bringing in the right partnerships that will enhance business outcomes
- Overcoming stakeholder complexity such as IT vs OT, bridging the gaps internally and externally

Participants

Moderator: Jo Peterson - VP of Cloud and Security, Clarify360

Panelist: William Couri - System Design & Integration Specialist, The Boeing Company

Panelist: Anthony James - Data Scientist / Senior Engineer, Southern California Edison

Enabling Innovation with NB-IoT

12:10pm - 12:40pm
IoT World Developer Conference

Networking Lunch Break

12:30pm - 1:30pm
Smart Buildings & Energy Management

- Mission City Ballroom
- Santa Clara Ballroom / Mezzanine / Cypress (Hyatt Level 2)
- Magnolia (Hyatt Level 1)

Networking Lunch Break

12:40pm - 1:40pm
Manufacturing & Supply Chain

- Mission City Ballroom
- Santa Clara Ballroom / Mezzanine / Cypress (Hyatt Level 2)
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Networking Lunch Break

12:40pm - 1:40pm
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Implementing Smart Building technologies successfully: Research, plan, execute

1:30pm - 1:50pm
Smart Buildings & Energy Management

- Understand what the purpose is for implementing the technologies. What is the desired outcome? Ex: cutting energy consumption costs in a way that is sustainable and repeatable
- Understand what products and tools are available, what their suggested applications are, and determine what best suits your organization
- Start small: select a piece of your organization to automate, create a clear test case plan, collect results, analyze data, determine best way to scale up and expand positive results

Becoming a Smart Factory on Wheels: How Highly Automated and IoT-Connected Vehicles are Enabling Farmers to Improve Productivity

1:40pm - 2:00pm
Manufacturing & Supply Chain

- Technologies such as machine-to-machine communications and big data will help farmers make efficient decisions despite having fewer resources
- How IoT and advanced technologies enable farmers to keep up with an increasing global food demand as well as increase sustainability, yield and profitability
- Tackling burdens of changing weather conditions and a shrinking pool of skilled rural labor to dramatically improve what a farmer can singlehandedly achieve
- Critical best practices for using connected technology to improve the user experience, a key component for implementing overall IoT strategy to drive adoption in agriculture

Participants

Deanna Kovar - Director, Global Operator Station, John Deere

Mapping the city: Visualizing data, developing digital twins, and unlocking cross-departmental approaches to build a smart city through virtual models

1:40pm - 2:00pm
Smart Cities

- From traffic sensors to LiDAR, what forms of data collection can collate to ensure accurate, authenticated data mapping?
- What potential commercial avenues can be opened by effective data mapping and exploration of collected geospatial data
- Keeping openness, access and interoperability at the forefront of city mapping to ensure cross-departmental opportunities can be identified to solve city-wide challenges

How to Roll-out the Connected Car in Today's Market

1:40pm - 2:00pm
Connected & Autonomous Vehicles

- Discussion of interdependence between connectivity, shared mobility solutions and e-mobility, in other words building an ecosystem
- Assessing the internal and external key players critical to the success of a connected vehicle roll-out
- The role of premium brands paving the way for the automotive industry
- Evaluating the USPs for the connected car platform and bringing customer needs into the equation
- What features are popular? What services do they really use?
- What does customization mean in the connected world?
- Challenges and success stories in domestic deployments at Porsche
- Ensuring functionality, interoperability and security of all connected car requirements

Participants

Philipp Duelfer - Senior Manager, Corporate Business Development, Porsche Cars North America, Inc.

Ultra-reliable, low latency (URLLC) applications

1:40pm - 2:00pm
IoT World 5G & Connectivity Conference

- Investigate the potential for 5G and LTE to overlap and work together when not all IoT devices necessarily need 5G
- Retain control over the communication of thousands of devices with URLLC to ensure that IoT's connectivity capability can be realized seamlessly
- A look at incoming new standards which specify reliability: will they be enough to move the industry into a new arena with predictable performance?

Participants

Jacques Fluet - Director, Network Assurance and Edge Data Center Programs, Telecommunications Industry Association (TIA)

Understanding the data collection process: breaking-down the business behind structured Vs unstructured data, open source data and building the (virtual) data warehouse

1:40pm - 2:00pm
IoT World Artificial Intelligence Conference

- Accounting for the cost of data curation: Why historical data/ training data is imperative, and how to best utilize this.
- Data lake expectation vs reality: The crucial role of scalable frameworks for data curation
- Deriving common features from unstructured data to ensure all data is processed in the same way
- Finding the suitable data storage solution for your business

Participants

Daniel Kufer - Director of Strategy, Markets & Development, thyssenkrupp North America

Securing IoT and Edge the Cyber Security Way

1:40pm - 2:00pm
IoT World Edge Computing Conference

- What is IoT? IoT ecosystem, and IoT today's use cases
Topic 2 (Couple of Slides):: IoT explosion, why secure edge, and what could go wrong
- Dollar Case of IoT, and state of IoT 2019
- IoT security framework, readiness of IoT, and the hullabaloo
- How to win mega-millions with IoT? and the skills needed

Participants

Speaker: James Odeyinka - Technical Cloud Architect and Cyber Security Leader, Walgreens Co.

Panel Discussion: From Idea to Commercialization: Bringing an IoT Product to Life

1:40pm - 2:20pm
IoT World Developer Conference

Learn the latest practices and insights that can help you quickly, securely and economically move an IoT device or application from idea to pilot to production

- Understand how to level the playing field with smart choices in architecture, platforms. and interoperable networks
- Recognize and leverage the importance of ecosystems and communities

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The Big Picture in granular detail: Increasing operational building performance by understanding the entire data story of a smart building

1:50pm - 2:10pm

Smart Buildings & Energy Management

- Understanding your infrastructure from top to bottom, from alarm access to power submetering to communications and everything in between
- Make better, more informed decisions about building usage through a complete data picture

Escape the IoT Cycle: Shifting from an IoT Consumer to an IoT Provider

2:00pm - 2:20pm

Manufacturing & Supply Chain

Investing in Digital Infrastructure: Expanding city-wide connectivity and exploring IoT enabled networks

2:00pm - 2:20pm

Smart Cities

- Exploring use-cases for low-cost LTE and NB-IoT to connect city assets
- Using connected devices to build an end-to-end network that can collect, convey, and assess data, stored into one interoperable urban data hub
- Building the gigabit community: When incentivising investment into connectivity, whether fiber, LTE or 5G ready infrastructure, how can cities ensure democratized access across communities?

Putting Security at the Core of your Connected Vehicle Strategy: Hacks and Cyber Risks

2:00pm - 2:20pm

Connected & Autonomous Vehicles

- Examining the implications of cybersecurity for CV/AV including software vulnerabilities that can be hacked and exploited
- Preventing disinformation attacks using AI in autonomous vehicles with brands now installing vehicle-to-vehicle (V2V/V2X) communication technology
- What do OEMs really need to do, how much will it cost, and where to put resources to make the most impact?
- Identifying the most vulnerable devices that could be targeted by cyberattacks
- What strategies can be put in place to protect a connected car? – What can we learn from hackings from outside of the automotive sector and what we can do?

The symbiotic relationship between Edge Computing and 5G

2:00pm - 2:20pm

IoT World 5G & Connectivity Conference

- A look at how 5G will enable edge computing technologies: how will this ultimately impact the Internet of Things?
- Utilize the strength of high bandwidth for edge devices and create a collaboration between the two technologies
- What effect will more secure connections which go hand in hand with 5G have on the edge?

Latency matters: When – and where – to develop AI at the edge

2:00pm - 2:20pm

IoT World Artificial Intelligence Conference

- Identifying when smart, centralized, real-time data holds success for locally optimal decisions
- Calculating cost benefits of localised data analytics
- What security implications need to be considered with AI at the edge, in both implementation and scaling?

Participants

Speaker: Eric Simone - CEO, ClearBlade, Inc.

Speaker: John Frémont - Co-Founder & Chief AI Officer, Hypergiant

Establishing the Edge: Redefining Infrastructure for cost optimization and faster decisions

2:00pm - 2:20pm

IoT World Edge Computing Conference

- Utilizing cloud infrastructure but keeping assets at the edge of the network which decreases the likelihood of bandwidth issues
- How collaboration of multiple providers and players – ie. Operators supplying the right infrastructure will create efficiency across the value chain
- Overcoming issues of outsourced support (ie. Internal IT architecture support) by bringing in people with specialised skills

Exhibition Hours: 10.00am - 6.00pm

2:00pm - 10:00pm

Exhibition Hours

Case Study: Water Treatment installation and usage as one aspect of automating systems in a Smart Building

2:10pm - 2:30pm

Smart Buildings & Energy Management

Participants

Speaker: Paula Kehoe - Director of Water Resources, San Francisco Public Utilities Commission (SFPUC)

Presentation: Reviving the Workforce for Smart Manufacturing: Defining a new Skillset within your Enterprise

2:20pm - 2:40pm

Manufacturing & Supply Chain

- Maintaining the frontline worker evolution - helping to retain knowledge for new millennials by providing toolsets to develop inherited knowledge within the business
- Bringing the two IT/OT worlds together to provide insight and control over business decision maker's operations

Is there a financially viable and technically feasible city-first path to 5G?

2:20pm - 2:40pm

Smart Cities

- Assessing the frequency of small cell deployment to greater understand the cost and consequences of large-scale 5G roll-out
- Building crucial relationships between cities, utilities and telco's to ensure necessary infrastructure can support 5G roll-out, including utilizing existing infrastructure to reduce the cost of small cell deployment.
- Taking a dig-once approach: when can supporting fibre be strategically placed vs. city incentive to invest in fiber

Participants

Dolan Beckel - Director, Civic Innovation, City of San Jose

Confluence between the Smart City and Connected Vehicle - What Can be Implemented in any Community, Town and City?

2:20pm - 2:40pm

Connected & Autonomous Vehicles

- Intersection of autonomous & connected vehicles with smart infrastructure and smart cities
- Understanding the role of the connected vehicle, mobility applications and vehicle-to-infrastructure communication in the evolution toward a smart city
- Hear real world case studies and deployments focused on the smart car in the age of a digitally connected urban mobility ecosystem
- What is the role of connected vehicles in smart infrastructure?

Participants

Maarten Sierhuis - Chief Technology Director, Nissan Research Center, Silicon Valley, Nissan North America, Inc.

Take the reins of the new infrastructure 5G demands to ensure successful implementation

2:20pm - 2:40pm

IoT World 5G & Connectivity Conference

- Building the road map: discover how operators are implementing 5G into infrastructure successfully
- A look at mmWave and small cell implementation: who will be able to get access to that infrastructure once it is employed?
- Ensure that infrastructure improvements are not a waste of time with advanced standardization which fosters collaboration and interoperability between devices

Participants

Sue Monahan - CEO, Small Cell Forum

Mitigating the challenges of deploying connected infrastructure by embedding AI capability into the built environment

2:20pm - 2:40pm

IoT World Artificial Intelligence Conference

- Identifying where tactile funding into greenfield deployments will best fit with your IoT network vs retrofitting smart technology and ensuring interoperability and optimization of brownfield equipment
- Legacy infrastructure realities: re-engineering IT for new data exchange
- Investing in Interoperability: where can proprietary standards interconnect varied IoT sensors across retrofitted infrastructure to ensure consistency in data collection?
- Minimizing devices necessary in the scaling process to simplify data streams

Participants

Akanksha Sharma - Director of Data Engineering, Royal Bank of Canada

Using Edge and Connectivity as the Backbone for your City – Improving Public Safety and Reducing Latency

2:20pm - 2:40pm

IoT World Edge Computing Conference

- Utilizing edge-based V2V (Vehicle to Vehicle) Communications
- Choosing the right platform that do not infringe of city costs, funds and investments, while having the potential to scale across the whole city on a large deployment level
- Increasing public safety efficiency for security and safety of citizens

Getting Started with RISC-V

2:20pm - 2:50pm

IoT World Developer Conference

- Introduction to RISC-V: The free and open ISA
- How to download, build, configure, debug and test a completely free and open source RISC-V IoT application.
- How to build a secure IoT application with RISC-V

360-degree automation systems that go beyond maintenance and cost savings

2:30pm - 2:50pm

Smart Buildings & Energy Management

- Ex: Smart badge readers connected to the internal conference booking system as well as calendar planners and can reserve a conference room for an employee's early morning meeting
- Building automation isn't limited to HVAC, elevators, and cybersecurity systems
- It can include automation that directly interacts with the people using the building

Bringing AI and IoT Together in Manufacturing: Revamping Smart Products in Manufacturing IoT

2:40pm - 3:00pm

Manufacturing & Supply Chain

- Using AI and analytics to combine physical and digital components that collect data from physical devices and deliver actionable, operational insights
- Increasing information transparency with the growth of smart devices bridging the physical and digital worlds storing processes virtually, essentially the digital twin becoming a common process in the space

Building city resiliency with security-as-a-service roadmap

2:40pm - 3:00pm

Smart Cities

- Understanding the requirements of security within each municipality, and ensuring cities are acknowledging the implications of city-security roadmaps. Is there a standard security policy that cities can use?
- Taking a security first procurement process: Ensuring security roadmaps have a comprehensive vetting process across government departments, accounting for interoperability challenges
- Technology deep-dive: Bringing solutions together under one secure service platform. Securing cloud centric services and edge
- Utilizing AI to automatically spot deviations in behaviour through analytics

Evaluating the Impact of the Connected Vehicle on the Insurance Industry

2:40pm - 3:00pm
Connected & Autonomous Vehicles

- Evaluating how to insure connected vehicles and evaluating the risk factors
- How will connected car insurance evolve over the next two to four years?
- Pricing new products in the connected car insurance space correctly
- Understanding why insurance companies must be part of the conversation as OEMs roll-out connected vehicles
- What is the case for usage-based insurance domestically and in international markets?
- One insurance package vs individual plan per service?
- Government policy objectives in insuring connected and automated vehicles

NB-IoT's role in a 5G world

2:40pm - 3:00pm
IoT World 5G & Connectivity Conference

- What are the next steps for narrowband-IoT with the advent and evolution of 5G?
- Explore the costs and benefits of NB-IoT's low bandwidth signals for sensors and data routing: can it be used as an edge gateway?
- WiFi vs. cellular technologies: finding the best place for both in an increasingly competitive environment

Securing AI integration into business infrastructure

2:40pm - 3:00pm
IoT World Artificial Intelligence Conference

- The first step to securing AI is accounting for every asset within the AI lifecycle and ensuring data control throughout the AI network journey
- Taking a security-first approach when working with multiple hardware and software providers. Recognising the importance of interoperability between hardware and software assets when facilitating an end-to-end cybersecurity model.
- How can we make sure the scaling process remains within a security framework when timeframes and budget constraints can mean cutting corners?
- Taking a proactive approach: Consistently assessing the existing AI process and maintaining oversight over the results of AI within business to spot anomalies

Securing your Device! Improving the Organization's Cybersecurity Posture

2:40pm - 3:00pm
IoT World Edge Computing Conference

- If secure solutions aren't being implemented at the cloud level it will be insecure at the edge – developing security business models to create a holistic approach for the security component at the edge
- How edge computing improves security and privacy by keeping sensitive data within the device
- What edge can do when a device is being attacked - developing a counter measure and remediation tactics during active threat situations

Drive efficiencies and integrate solutions into all buildings through public/private partnerships

2:50pm - 3:10pm
Smart Buildings & Energy Management

- Cities need buildings to become more efficient about how they consume resources and buildings need cities that create realistic, achievable resource reduction goals
- Cities can learn from buildings that have become automated and 'smart' and implement their techniques into civic infrastructure in ways that are sustainable and benefit both

Developer case study: Inside Con Edison's Intelligent-Edge Gas Safety Network

2:50pm - 3:20pm
IoT World Developer Conference

- Get a builder's eye view of developing and installing a first-of-a-kind smart IoT methane-sensing systems, from inception to commercialization
- Explore the challenges of leading-edge technology, including innovative detectors and connecting with an existing smart network
- See the engineering behind the nation's first intelligent detection, alarm and alert system that improves gas safety and potentially saves lives

Speaker Q&A Session: Manufacturing

3:00pm - 3:20pm
Manufacturing & Supply Chain

Location: Grand Ballroom A

Speakers from the afternoon sessions will return to stage to take questions for the audience to further your learning opportunity.

Re-imagining of multimodal mobility planning with city-wide data mapping

3:00pm - 3:20pm
Smart Cities

- Through onboard sensors, GPS tracking and cameras, how can local authorities comprehensively map transportation use in the city?
- Using geo-data to ensure the most effective and efficient routes of transportation to remove congestion from high-density travel areas and ensure less congestion at travel times
- Through mapping city wide mobility trends, deep-diving into the interconnection between social mobility and access to low-cost multimodal transportation. Exploring how cities can re-imagine transportation planning to yield populations greater autonomy in transportation choice

How Connected Cars Are Transforming Avis Budget Group (ABG) and Furthering the Internet of Transportation

3:00pm - 3:20pm
Connected & Autonomous Vehicles

A connected car is only as good as what it's connected to. Between Avis, Budget and Zipcar, the company is operating a fleet of more than 200,000 connected vehicles.

- Assessing the value proposition for the connected car and positive benefits including exponential operational efficiencies, increased customer satisfaction rates and new lines of business
- Real world perspective on the use of ABG's next generation platform in the cloud as well as to the company's mobile apps for consumers
- Case study examples of how connectivity has not only revolutionized Avis Budget Group's business, but how connected mobility will shape transportation in the coming years

Participants

Jeffrey Kaelin - Vice President, Customer Experience and Product Development, Avis Budget Group

LPWAN technologies and massive IoT applications

3:00pm - 3:20pm
IoT World 5G & Connectivity Conference

- A look at how 5G and LPWAN can the work harmoniously together to feel the benefits of low data rates, long battery life and high penetration levels
- Highlighting the strengths of LoRaWAN as the main driver of IoT
- In a world where 5G leads the way, what does the future look like for these technologies?

Participants

Karthik Ranjan - North America Regional Vice-Chair, LoRa Alliance®

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Developing a cross-sector deal for AI Innovation

3:00pm - 3:20pm
IoT World Artificial Intelligence Conference

- How to take proactive approach to regulation for R&D efforts around AI
- Navigating security concerns around privacy, facial recognition and security through greater AI deployment
- Preparing for cross-fertilization opportunities across different technologies as quantum computing, 5G deployments and cloud services advance
- Building R&D collaboration: How can start-ups, government, universities and solution providers work together to build dynamic research facilities with real-industry deployments?

Edge Compute Delivers ROI in Process Manufacturing

3:00pm - 3:20pm
IoT World Edge Computing Conference

- Gathering insights from consumer behaviours in-store and online using data and services
- Utilizing the right edge platforms to enhance purchasing experiences

Participants

Speaker: Stan Galanski - SVP, Engineering Services, CBT

Afternoon Networking Break

3:10pm - 3:40pm
Smart Buildings & Energy Management

Industry Vertical Networking: Manufacturing

3:20pm - 3:50pm
Manufacturing & Supply Chain

Location: Magnolia (Hyatt Level 1)

Afternoon Networking Break

3:20pm - 3:50pm
Smart Cities

Networking Coffee Break

3:20pm - 3:50pm
Connected & Autonomous Vehicles

Afternoon Networking Break

3:20pm - 3:50pm
IoT World 5G & Connectivity Conference

Afternoon Networking Break

3:20pm - 3:50pm
IoT World Artificial Intelligence Conference

Afternoon Networking Break

3:20pm - 3:50pm
IoT World Edge Computing Conference

Afternoon Networking Break

3:20pm - 3:50pm
IoT World Developer Conference

Cloud vs local: when and where to successfully integrate implemented devices

3:40pm - 4:00pm
Smart Buildings & Energy Management

- Most devices are designed to be stand-alone rather than interactive, which can cause difficulties when trying to meet goals around automation, reliability, and cost savings.
- Where devices interact is critical: cloud-based devices create skyrocketing costs
- How do you promote successful integration of devices at a local level for day-to-day and immediate processes and save the cloud for longer-term, info based decisions?

Participants

Speaker: George Hernandez - Principal Technical Advisor Buildings-to-Grid Integration & Buildings Controls Program Manager, Pacific Northwest National Laboratory-PNNL

Leveraging the Digital Twin to ignite a Real-World System and Process in a Virtual Way

3:50pm - 4:10pm
Manufacturing & Supply Chain

- Driving responsiveness, and productivity across the systems within a production line or processes
- Offering guidance for manufacturers looking to run simulations of products to improve product reliability
- 3D modelling and simulation in different environments which will allow a tested product to be product

Empowering sustainable cities with Smart Grid modernization

3:50pm - 4:10pm
Smart Cities

- As the smart city reliance on DER (distributed energy resources) requires modernization of the smart grid through IoT and sensor controls, how can local authorities partner with utilities to ensure joint commitment to modernization?
- The value of smart grid data to understand citizen energy usage. Exploring opportunities to improve sustainability and mitigate "peak-hours" through city-utility data sharing. Ensuring long-term citizen benefits are at the forefront of grid modernisation
- How can smart grids be modernized to greater adopt renewable energy and achieve city sustainability targets?

Participants

Conner Prochaska - Director, Office of Technology Transitions, United States Department of Energy

Content in the Connected Car: Ecosystems, Control, & Revenue?

3:50pm - 4:00pm
Connected & Autonomous Vehicles

As vehicles evolve towards autonomous driving, content consumption advances from fear of distraction to relaxed living room experience. OEMs must create and nurture content ecosystems today in order to remain relevant in the autonomous future.

- Learn how SmartDeviceLink (SDL) enables the automotive industry to retain control by welcoming developers
- Maximizing vehicle data value for creating unique content
- Assessing market segments and customer adoption
- Examining the benefits of the connected car in the domestic and global automotive sector
- What technology will become reality? Where are OEMs putting their money?

Participants

Scott Burnell - Global Lead, Business Development and Partner Management, Ford Developer Program

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Build an armored 5G network with enhanced end-to-end security measures

3:50pm - 4:10pm
IoT World 5G & Connectivity Conference

- Going beyond just 'good': uncover what the major players are achieving to ensure their security systems are superior
- With 5G opening the gates for huge amounts of vulnerable data, how can businesses ensure that infrastructure is able to withstand hacking threats?
- Will the introduction of standardized features be enough protection?
- A look into industry-dedicated networks and private 5G/LTE for added defense: understand how you can effectively apply

Cognitive analytics and leveraging Machine learning in the Finance industry

3:50pm - 4:10pm
IoT World Artificial Intelligence Conference

- Creating an AI model that can detect and prioritize fraud detection and risk management
- What are the advantages of pattern recognition and determining investment trends in volatile trading environments
- How can the convergence of AI with blockchain ensure security-first data analytics?

The Power of Adopting Edge Computing to the New Wave of 5G

3:50pm - 4:10pm
IoT World Edge Computing Conference

- How 5G is facilitating hyper-scale IoT deployments and can satisfy the growing needs of both bandwidth and latency requirements
- Looking forward to the integration to 5G networks and how edge will play a fundamental part of how solutions will be delivered
- 5G supporting eMBB (enhanced mobile broadband) and URLLC (ultra-reliability and low latency communication)

Injecting AI into Healthcare IoT

3:50pm - 4:10pm
IoT World Developer Conference

- Learn how open source is making it easier to discover and reuse deep learning models and data.
- Discover how modern programming frameworks like PyTorch, pre-trained image and language models enable domain-specific training and inferring with far fewer resources
- Understand different options available for doing inferring at the edge - from GPUs to FPGAs to Silicon, along with solutions and approaches to typical technical and design challenges.

Panel: Business models that adapt to keep the building automation market moving forward

4:00pm - 4:20pm
Smart Buildings & Energy Management

- "As-a service" models to maintain smart buildings systems and architectures in organizations that don't have qualified management teams
- Educating and expanding existing roles (ex: IT/OT staff) and filling new positions to modernize building management teams (data scientists)
- Acquisition of technologies, technical partnerships, internal innovation

Participants

Moderator: Sasha Wedekind - Research Analyst | Energy, Navigant Research

Panelist: Marta Soncodi - Director, IoT Technology & Technical Architect, Telecommunications Industry Association (TIA)

Panel: Examining Trials for Autonomous Vehicles, Connected Car Deployments and Electric Vehicle Adoption

4:00pm - 4:40pm
Connected & Autonomous Vehicles

- Overview of various approaches for autonomous vehicle testing in the US
- Evolution of connected cars for fleet management in the car rental sector
- What are the benefits to consumers for connected cars and how to achieve buy-in from the public?
- Reporting from early testing of autonomous systems: what impact will this have on safety regulations?
- Evaluating secure access to in-vehicle networks
- Exploring the wider picture of EV adoption and the new trends in electrification

Participants

Moderator: Stephen Bell - Senior Analyst, Light Reading

Panel: Managing Connected Devices to Leverage Predictive Maintenance and Improve Operating Efficiencies – Where are we Now with Predictive Maintenance?

4:10pm - 4:50pm
Manufacturing & Supply Chain

- Utilizing sensors to detect where an issue is arising and wearable technologies to discover asset information at a more efficient pace
- How industry veterans' expertise can tap into predictive maintenance – what is the best way to harness their experience and digitize this?

Why smart infrastructure starts with a smart utilities plan

4:10pm - 4:50pm
Smart Cities

- City-utility collaboration on building out necessary city infrastructure such as gas and water pipes, to proactively develop opportunities to build connected infrastructure
- What state and federal grants are available to help modernize utility infrastructure?
- Investing in predictive maintenance with IoT enabled sensors, facilitating greater efficiency in infrastructure that is costly to replace
- When can greater data sharing between cities and utilities help further objectives?

Participants

Paul Hoekstra - Smart Technology and Connected Infrastructure, City of San Francisco Transportation Authority

Emily Yates - Smart Cities Director, City of Philadelphia

Jon Walton - CIO/Director, County of San Mateo

Panel Discussion – Remote and hard-to-reach connectivity: a never-ending dilemma?

4:10pm - 4:40pm
IoT World 5G & Connectivity Conference

- Investigate the solution for point-to-point connectivity in a 5G world when low penetration is a serious drawback
- Rural IoT applications: where are they and what do they look like?
- The introduction of satellites launched with LoRa into the connectivity sphere: understand how they will capture the remote areas 5G can't reach
- Harness the power of LPWAN, NB-IoT to connect the unconnected

Participants

Moderator: Bobbi Harris - Founder & CEO, Smart Water Smart City, LLC

Panelist: Marcos Mandarano - IoT's Technical Specialist & Consultant, Pontifical Catholic University of Rio de Janeiro

Panelist: Emily Yates - Smart Cities Director, City of Philadelphia

Panelist: Mostafa Essa - AI and Data Analytics Distinguished Engineer, Vodafone

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Powering AI through Cloud and Edge convergence: dissecting the potential of a blended deployment model for enterprise

4:10pm - 4:50pm

IoT World Artificial Intelligence Conference

- The data journey: How- and why- edge data will ultimately interact with cloud for larger-scale analysis, processing and storage beyond real-time.
- What vendor partnerships are formulating an end-to-end solution where cloud and edge can seamlessly interact?
- Understanding the implications of open-source cloud with localized edge computing, exploring which options may be most suitable when taking a security-first approach
- Building DevSecOps practices into edge/cloud convergence

Panel: Reducing Latency and Enhancing Connectivity with IoT and Edge

4:10pm - 4:50pm

IoT World Edge Computing Conference

- Interoperating platforms at a large-scale deployment to reach cost effectiveness of specific solutions
- What are the standards for connectivity and data systems? Who owns the data?
- Building trust at a scale across the ecosystem and overcoming issues of fragmentation

Participants

Panelist: Keshav Gupta - Smart City IoT Lead, City of San Jose

Panelist: Gilbert Meyer-Gauen - Director, Asset Management, National Oilwell Varco

Panel Discussion: Build In End-to-End IoT Security

4:10pm - 4:50pm

IoT World Developer Conference

- Understanding and stepping up to the creator's crucial role in engineering IoT security, from node to network
- Practical, proven steps, essential best practices and development frameworks to secure and protect devices, data, communications, and applications
- Leveraging latest technologies, including automation, end-to-end encryption, tokens, SDN and AI, blockchain, digital twins, Risc-V and more

SCHEDULE

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7:00AM	7:30am - Analyst Breakfast Briefings										
8:00AM			<p>8:40am - Chairperson's Opening Remarks</p> <p>8:50am - Utilizing the right model to Drive productivity for Digital Industrial Leadership</p>								

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9:00AM			<p>9:10am - Achieving Intelligent Resiliency: Creating a multi-purpose platform and connecting IoT devices to deliver a seamless service</p> <p>9:30am - Embedded Intelligence for the Next Wave of Smart Systems – Opportunities and Challenges on the Edge</p> <p>9:50am - Massive vs Tiny IoT – Commercializing IoT touchpoints via 5G, LTE-M, NB-IoT, LPWANs and Satellite</p>								

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10:00AM			<p>10:10am - Panel: Moving Beyond the Hype of AI, Edge and 5G – How the Convergence of Cutting Edge Technologies are Revolutionizing the IoT Landscape</p> <p>10:40am - Morning Networking Break</p>								

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11:00AM		<p>11:30am - Chairpersons Opening Remarks - Connected & Autonomous Vehicles</p> <p>11:40am - Customer Data: Mitigating Privacy and Security Concerns as New Services are Offered in the Connected Vehicle</p>		<p>11:30am - Expo Opens at 10am!</p>	<p>11:30am - Chairman's Opening Remarks: IoT World 5G & Connectivity Conference</p> <p>11:40am - 5G 101: Taking the Internet of Things to the next level</p>	<p>11:30am - Chairman's Opening Remarks: AI & Machine Learning</p> <p>11:40am - Nothing ventured, nothing gained? An honest analysis of the ROI for enterprise AI</p>	<p>11:30am - Chairman's Opening Remarks: Developer Conference</p> <p>11:40am - Exploring development challenges with IoT data</p>	<p>11:30am - Chairman's Opening</p> <p>11:40am - Harnessing AI and Edge for IoT Deployments: How AI is a Key Driver for the Success of Edge Computing</p>	<p>11:30am - Chairman's Opening Remarks: Manufacturing</p> <p>11:40am - Presentation: How to Make Sense of Data to Create a Seamless Interconnected System in your Workplace</p>	<p>11:30am - Creating the smart environment that allows teams to make decisions based on real-time data</p> <p>11:50am - Panel: Reaping what has been sown: the realities of smart buildings</p>	<p>11:30am - Chairman's Opening Remarks: Smart Cities</p> <p>11:40am - How connectivity is spearheading the next generation of public safety for cities</p>

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12:00PM		<p>12:00pm - Panel: New Tech Entrants – Opportunity for Cross-Industry Partnerships or Competition In the Development of Connected Car Services</p> <p>12:40pm - Networking Lunch Break</p>			<p>12:00pm - Panel Discussion – Establishing a fully interoperable and standardized 5G landscape</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:00pm - Panel: Facilitating “as-a-service” business models and the convergence of AI and IoT opening new avenues to revenue</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:10pm - Enabling Innovation with NB-IoT</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:00pm - Panel: Looking toward the High-Speed Future: Building Edge Infrastructure and Enhancing Business Opportunities</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:00pm - Panel: Smart Manufacturing as a Driver for Business Outcomes – Investing in Industry 4.0</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:30pm - Networking Lunch Break</p>	<p>12:00pm - Panel: Resiliency roadmap: Partnering across Cities, utilities and emergency response to ensure public safety for natural disasters</p> <p>12:40pm - Networking Lunch Break</p>

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1:00PM		1:40pm - How to Roll-out the Connected Car in Today's Market			1:40pm - Ultra-reliable, low latency (URLLC) applications	1:40pm - Understanding the data collection process: breaking-down the business behind structured Vs unstructured data, open source data and building the (virtual) data warehouse	1:40pm - Panel Discussion: From Idea to Commercialization: Bringing an IoT Product to Life	1:40pm - Securing IoT and Edge the Cyber Security Way	1:40pm - Becoming a Smart Factory on Wheels: How Highly Automated and IoT-Connected Vehicles are Enabling Farmers to Improve Productivity	1:30pm - Implementing Smart Building technologies successfully: Research, plan, execute 1:50pm - The Big Picture in granular detail: Increasing operational building performance by understanding the entire data story of a smart building	1:40pm - Mapping the city: Visualizing data, developing digital twins, and unlocking cross-departmental approaches to build a smart city through virtual models

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IoT WORLD DAY TWO - KEYNOTES, 9X CONFERENCE TRACKS & EXHIBITION - 07/04/2020

IoT World Conference and Expo 2020 | The Leading IoT Event

April 6 - 9, 2020
San Jose Convention Center
CA, USA

TIME	ANALYST BREAKFAST BRIEFINGS	CONNECTED & AUTONOMOUS VEHICLES	EXECUTIVE KEYNOTES	EXHIBITION HOURS	IOT WORLD 5G & CONNECTIVITY CONFERENCE	IOT WORLD ARTIFICIAL INTELLIGENCE CONFERENCE	IOT WORLD DEVELOPER CONFERENCE	IOT WORLD EDGE COMPUTING CONFERENCE	MANUFACTURING & SUPPLY CHAIN	SMART BUILDINGS & ENERGY MANAGEMENT	SMART CITIES
2:00PM		<p>2:00pm - Putting Security at the Core of your Connected Vehicle Strategy: Hacks and Cyber Risks</p> <p>2:20pm - Confluence between the Smart City and Connected Vehicle - What Can be Implemented in any Community, Town and City?</p> <p>2:40pm - Evaluating the Impact of the Connected Vehicle on the Insurance Industry</p>		<p>2:00pm - Exhibition Hours: 10.00am - 6.00pm</p>	<p>2:00pm - The symbiotic relationship between Edge Computing and 5G</p> <p>2:20pm - Take the reins of the new infrastructure 5G demands to ensure successful implementation</p> <p>2:40pm - NB-IoT's role in a 5G world</p>	<p>2:00pm - Latency matters: When – and where – to develop AI at the edge</p> <p>2:20pm - Mitigating the challenges of deploying connected infrastructure by embedding AI capability into the built environment</p> <p>2:40pm - Securing AI integration into business infrastructure</p>	<p>2:20pm - Getting Started with RISC-V</p> <p>2:50pm - Developer case study: Inside Con Edison's Intelligent-Edge Gas Safety Network</p>	<p>2:00pm - Establishing the Edge: Redefining Infrastructure for cost optimization and faster decisions</p> <p>2:20pm - Using Edge and Connectivity as the Backbone for your City – Improving Public Safety and Reducing Latency</p> <p>2:40pm - Securing your Device! Improving the Organization's Cybersecurity Posture</p>	<p>2:00pm - Escape the IoT Cycle: Shifting from an IoT Consumer to an IoT Provider</p> <p>2:20pm - Presentation: Reviving the Workforce for Smart Manufacturing: Defining a new Skillset within your Enterprise</p> <p>2:40pm - Bringing AI and IoT Together in Manufacturing: Revamping Smart Products in Manufacturing IoT</p>	<p>2:10pm - Case Study: Water Treatment installation and usage as one aspect of automating systems in a Smart Building</p> <p>2:30pm - 360-degree automation systems that go beyond maintenance and cost savings</p> <p>2:50pm - Drive efficiencies and integrate solutions into all buildings through public/private partnerships</p>	<p>2:00pm - Investing in Digital Infrastructure: Expanding city-wide connectivity and exploring IoT enabled networks</p> <p>2:20pm - Is there a financially viable and technically feasible city-first path to 5G?</p> <p>2:40pm - Building city resiliency with security-as-a-service roadmap</p>

SCHEDULE

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3:00PM		<p>3:00pm - How Connected Cars Are Transforming Avis Budget Group (ABG) and Furthering the Internet of Transportation</p> <p>3:20pm - Networking Coffee Break</p> <p>3:50pm - Content in the Connected Car: Ecosystems, Control, & Revenue?</p>			<p>3:00pm - LP-WAN technologies and massive IoT applications</p> <p>3:20pm - Afternoon Networking Break</p> <p>3:50pm - Build an armored 5G network with enhanced end-to-end security measures</p>	<p>3:00pm - Developing a cross-sector deal for AI Innovation</p> <p>3:20pm - Afternoon Networking Break</p> <p>3:50pm - Cognitive analytics and leveraging Machine learning in the Finance industry</p>	<p>3:20pm - Afternoon Networking Break</p> <p>3:50pm - Injecting AI into Healthcare IoT</p>	<p>3:00pm - Edge Compute Delivers ROI in Process Manufacturing</p> <p>3:20pm - Afternoon Networking Break</p> <p>3:50pm - The Power of Adopting Edge Computing to the New Wave of 5G</p>	<p>3:00pm - Speaker Q&A Session: Manufacturing</p> <p>3:20pm - Industry Vertical Networking: Manufacturing</p> <p>3:50pm - Leveraging the Digital Twin to ignite a Real-World System and Process in a Virtual Way</p>	<p>3:10pm - Afternoon Networking Break</p> <p>3:40pm - Cloud vs local: when and where to successfully integrate implemented devices</p>	<p>3:00pm - Reimagining of multimodal mobility planning with city-wide data mapping</p> <p>3:20pm - Afternoon Networking Break</p> <p>3:50pm - Empowering sustainable cities with Smart Grid modernization</p>

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4:00PM		4:00pm - Panel: Examining Trials for Autonomous Vehicles, Connected Car Deployments and Electric Vehicle Adoption			4:10pm - Panel Discussion – Remote and hard-to-reach connectivity: a never-ending dilemma?	4:10pm - Powering AI through Cloud and Edge convergence: dissecting the potential of a blended deployment model for enterprise	4:10pm - Panel Discussion: Build In End-to-End IoT Security	4:10pm - Panel: Reducing Latency and Enhancing Connectivity with IoT and Edge	4:10pm - Panel: Managing Connected Devices to Leverage Predictive Maintenance and Improve Operating Efficiencies – Where are we Now with Predictive Maintenance?	4:00pm - Panel: Business models that adapt to keep the building automation market moving forward	4:10pm - Why smart infrastructure starts with a smart utilities plan

SESSIONS

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Analyst Breakfast Briefings

7:30am - 8:30am
Analyst Breakfast Briefings

Chairperson's Opening Remarks

8:40am - 8:50am
Executive Keynotes

Digital as an Enabler to Customer Success

8:50am - 9:10am
Executive Keynotes

Participants

Speaker: Guido Jouret - Chief Digital Officer, ABB

Digitizing Operations with AI: Helping Gain Momentum for IoT Powered Applications

9:10am - 9:30am
Executive Keynotes

Engineering with AI to Bring Data Science to the Roads

9:30am - 9:50am
Executive Keynotes

Participants

Speaker: Waleed Kadous - Engineering Strategy Lead, Office of the CTO, Uber

Accelerating the Cutting Edge of Industries with Big Data and Analytics

9:50am - 10:10am
Executive Keynotes

Panel: Uniting Talent, Tech and Education – Laying the Foundations for new technical, strategic and commercial skills required to unlock opportunity in the age of IoT

10:10am - 10:40am
Executive Keynotes

Morning Networking Break

10:40am - 11:30am
Executive Keynotes

Chairman's Opening

11:30am - 11:40am
Manufacturing & Supply Chain

Participants

Chair: Farid Bichareh - Co-Chair, Smart Factory, Industrial Internet Consortium

Chairpersons Opening Remarks - Energy & Resources

11:30am - 11:40am
Energy and Resource Production

Participants

David Green - Research Manager - Wireless Power & Smart Utilities Infrastructure, IHS Markit Technology

Chairman's Opening Remarks - Connected & Autonomous Vehicles

11:30am - 11:40am
Connected & Autonomous Vehicles

Participants

John Canali - Principal Senior Analyst, IoT, Ovum

Chairpersons Opening Remarks - IoT World 5G & Connectivity Conference

11:30am - 11:40am
IoT World 5G & Connectivity Conference

Participants

Erik Kreifeldt - Principal Analyst, TeleGeography

Chairperson's Opening Remarks

11:30am - 11:40am
IoT World Artificial Intelligence Conference

Chairpersons Opening Remarks - IoT World Security Conference

11:30am - 11:40am
IoT World IoT Security Conference

Chairman's Opening Remarks: Developer Conference: Build & Deploy

11:30am - 11:40am
IoT World Developer Conference

Location: Grand Ballroom G

Expo Opens at 10am!

11:30am - 2:00pm
Exhibition Hours

Chairperson's Opening Remarks: IoT World Edge Computing Conference

11:30am - 11:40am
IoT World Edge Computing Conference

5G For Manufacturing – Hype or Hope?

11:40am - 12:00pm
Manufacturing & Supply Chain

- Will 5G revolutionize connectivity and computing in plants, or will it exacerbate IT/OT tensions?
- Creating low latency and high reliability for critical applications on the shop floor
- 5G enabling industrial control and automation systems with high bandwidth and connectivity

Harnessing the Internet of Things for a decentralized future with distributed energy resources (DERs)

11:40am - 12:00pm
Energy and Resource Production

- Retain excellent revenue generation while integrating distributed energy into the grid with IoT
- A look at local generation technology for remote regions outside of the city: how will they work with distribution system operators to assimilate well into the transmission system?
- With so many new DERs entering the energy sphere, ensure that you boost grid flexibility to safeguard balance (without raising rates for customers!)
- Understanding the role of virtual powerplants (VPPs) on the new, decentralized grid and how they will impact businesses moving forward

New Trends in Connected Car Applications and Services

11:40am - 12:00pm
Connected & Autonomous Vehicles

- Evaluating new infotainment services and delivering popular content to consumers
- How are voice-activated technologies such as Siri and Google Now interacting with the infotainment system?
- Assessing how the next generation of connected car services will provide carmakers with paths to new revenue and new customers
- Latest updates on connected car apps and autonomous vehicle technology

Prove the commercial business case and win buy-in for IoT applications

11:40am - 12:00pm
IoT World 5G & Connectivity Conference

- Show me the money: unpack the profitability potential of a 5G enabled IoT future and understand what the strategy will be
- Justify 5G's roll out with clarification on its ability to enable existing connectivity technologies and unleash the true capacity of the internet of things
- Moving from idea to reality: cut through the noise to understand practical deployment and implementation
- Discover how major players are future-proofing 5G IoT as millions of devices become connected

Building a Modular AI Framework: Created tailored AI as a solution for your business needs?

11:40am - 12:00pm

IoT World Artificial Intelligence Conference

- What are the advantages of piecing together AI microservices that won't lock enterprises into a single vendor or service? What are the potential cost-implications?
- Using AI microservices to trail tailored AI solutions with a business case approach
- How crucial are open vendor models when building AI infrastructure for future scaling? Will this promote a diversification of projects across teams and initiative to trial solutions?

A multi-layered approach to cybersecurity solutions

11:40am - 12:00pm

IoT World IoT Security Conference

Security threats change rapidly, constantly looking for holes in networks that can be exploited for undesirable ends. When faced with attacks from all directions, the best approach involves multiple layers of security technologies including AI, ML, and predictive analytics designed to support each other and stop attacks before they inflict damage.

Designing with Sensors Made Simple

11:40am - 12:10pm

IoT World Developer Conference

Data Monetisation: A Case for Edge Computing

11:40am - 12:00pm

IoT World Edge Computing Conference

- Creating an edge shortcut – how edge will enhance speed and efficiency without complication for end to end communications
- How to segregate and divide data and using the same sets of data to distribute for different applications

Panel: Utilizing supply chain 4.0 to streamline and revitalize the manufacturing process

12:00pm - 12:40pm

Manufacturing & Supply Chain

- Using real-time data that synchronizes supply and demand to forecast accurate production cycles
- Creating supplier alliance/partnership programs like certification programs, cloud-based dashboards, asset tracking, and blockchain to ensure quality, efficiency, transparency, and traceability
- Customizing the supply chain for specific needs with strategic and tactical uses of technologies such as 3rd party container tracking services and using ELDs on fleet vehicles to manage fuel economy and highlight safety concerns
- Using asset tracking and cutting edge technologies to reach a successful end result

Participants

Panelist: Miroslav Babol - Senior Director, Supply Chain Strategy, Signify (previously known as Philips Lighting)

Panelist: Emily Lin - Director of Innovation - Supply Chain, Plug and Play Tech Center

Panelist: Aaron Allsbrook - CTO, ClearBlade

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

Panel Discussion – Improve safety and prevent failures from upstream to downstream with predictive maintenance fueled by IoT-driven sensor data

12:00pm - 12:40pm

Energy and Resource Production

- Learn how experts across the industry are creating real change from IoT data to prevent failures, improve safety and maximize revenue
- Embedding analytics architecture into modernized infrastructure to feel the full potential of predictive maintenance
- How can you transform data collected from sensors into usable predictive analytics?
- A look at the policies in place to guarantee data clarity: is the information you're holding valid and secure?

Participants

Moderator: Michael Kelly - Research Analyst/Senior Consultant, Guidehouse (Navigant Research)

Panellist: Danya Liu, CFA - Associate, Digital Industry, BloombergNEF

Panellist: Tricia Roelofs - Senior Manager, Data & Analytics Solutions, Tennessee Valley Authority

Panellist: Michael Britt - Vice President - Energy Innovation Center, Southern Company

Panel: Connected Car Connectivity - A Network of Networks – 5G, DSRC & CV2X

12:00pm - 12:40pm

Connected & Autonomous Vehicles

- With ever-increasing demand on connectivity, the burden must now fall on the spectrum to provide constant connectivity the consumer demands.
- Some OEM's embrace 5G, others DSRC. Which of these technologies will prevail? understand the merits of these spectrums and implications on your product strategy
- Explore the costs, coverage and rollout implications of 5G vs DSRC and debate whether the technology reached a point where policymakers can proceed with one over another
- Transit applications that intersect mobility and connected car

Participants

Moderator: Doug Newcomb - Senior Industry Analyst, Wards Intelligence

Scott McCormick - President, Connected Vehicle Trade Association

Panel Discussion - Set the automotive industry in motion with 5G and vehicle-to-everything (V2X)

12:00pm - 12:40pm

IoT World 5G & Connectivity Conference

- Discover how 5G will enhance road safety with vehicle-to-vehicle communications whilst adhering to new government requirements
- Identify how 5G will truly enable the autonomous vehicle and the impact it will have on network infrastructure going forward
- Gain real understanding into the shift from vehicle-to-grid to V2X and the resulting opportunities which will arise
- Managing automotive data when everything is connected: where does ownership lie?

Participants

Panellist: Chris Pearson - President, 5G Americas

Panellist: Jerome Juan - Innovation & Operations Director, Renault-Nissan-Mitsubishi

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Panel: Smoothing the scaling process: Trials and triumphs from across the AI ecosystem

12:00pm - 12:40pm
IoT World Artificial Intelligence Conference

- Accounting for infrastructure realities of today when scaling for future innovation
- Developing a financial roadmap and how to streamline infrastructure and sensor devices without diminishing returns
- Assessing where existing AI deployments can add extra insight and efficiency in different internal business structures
- How can companies account for future capabilities of AI, when enhanced with future availability of 5G, AR/VR and other advancements in emerging technologies? What infrastructure will need to be in place to converge these into a seamless working network with AI powering company innovation?

Panel: Creating Public / Private collaboration to fill the gaps in cybersecurity standardization

12:00pm - 12:40pm
IoT World IoT Security Conference

There are serious gaps in the existing cybersecurity standards for nearly every area of IoT: Connected Cars, Consumer, Health, Smart Buildings, and Smart Manufacturing. The best way to close those gaps will be through collaboration between state and federal government agencies and private enterprises and organizations to solve the issue.

Participants

Panelist: Stuart Samples - Head of Cyber Security, Thyssenkrupp North America, Inc.

Panelist: Tanner Johnson - Senior Cybersecurity Analyst, IHS Markit

Panelist: Tina Gravel - SVP, Appgate

Panelist: Arshad Noor - CTO, StrongKey

Panel: Progressing Standardization for the IoT Edge Computing Ecosystem to Produce Successful and Efficient Results

12:00pm - 12:40pm
IoT World Edge Computing Conference

Best Practices in IoT Architecture

12:10pm - 12:40pm
IoT World Developer Conference

- IoT Architecture Patterns and Anti-Patterns – Cloud Agnostic
- Generic Best Practices, Scaling and Critical Message processing patterns
- IoT Best Practices with AWS

Networking Lunch Break

12:40pm - 1:40pm
Manufacturing & Supply Chain

Networking Lunch & Exhibition Visit

12:40pm - 1:40pm
Energy and Resource Production

Networking Lunch Break

12:40pm - 1:40pm
Connected & Autonomous Vehicles

Networking Lunch Break

12:40pm - 1:40pm
IoT World 5G & Connectivity Conference

Networking Lunch

12:40pm - 1:40pm
IoT World Artificial Intelligence Conference

Networking Lunch Break

12:40pm - 1:40pm
IoT World IoT Security Conference

Networking Lunch Break

12:40pm - 1:40pm
IoT World Developer Conference

Networking Lunch Break

12:40pm - 1:40pm
IoT World Edge Computing Conference

Futureproofing your Farm with the Digital Twin and Remote Monitoring solutions

1:40pm - 2:00pm
Manufacturing & Supply Chain

- How monitoring process control for pipes or valves will reduce errors and quality deviations
- Remote Valve Monitoring Solutions will help factories reduce retrofitting costs by a large amount, compared to traditional methods as well as time consumption

Participants

Speaker: Peggy Gulick - Director of Digital Transformation, Global Manufacturing, AGCO Corporation

Green is the new black: IoT's role in spearheading the energy generation transformation through solar and alternative sources

1:40pm - 2:00pm
Energy and Resource Production

- Creating accessible emerging tech for solar power ecosystems as the demands for a decarbonized future rise
- Don't get caught out: utilize the internet of things to monitor how green your energy really is and ensure you are giving customers what they want
- Explore the capabilities for wind within the new energy generation landscape with digitization and IoT

Participants

Eric Helin - Senior Manager, Innovation, Exelon

Research Study: V2X for Collaborative Automated Driving

1:40pm - 2:00pm
Connected & Autonomous Vehicles

- Understanding what is V2X and the status quo in the automotive industry
- Assessing what V2X means for automated driving
- Case study example on inter-vehicle collaborative sensing

Participants

Hongsheng Lu - Principal Researcher, InfoTech Labs, Toyota Motor North America

Has the advent of 5G and its impact on connectivity technologies moved us closer to a remote healthcare future?

1:40pm - 2:00pm
IoT World 5G & Connectivity Conference

- Utilizing 5G enhanced remote connectivity technologies for reduced hospital time and remote patient monitoring
- Safeguarding the vast amounts of data now available to practices and removing the risk of unethical conduct
- The telemedicine opportunity: is remote surgery around the corner thanks to the high bandwidth of 5G?

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Architecture case study: Building the modern workplace through data-driven design

1:40pm - 2:00pm

IoT World Artificial Intelligence Conference

- Mapping office spaces with computer-driven sensor networks and ML enabled pattern identification.
- Developing a greater understanding of use of space, working habits and the impact of productivity with ML analysis
- Identifying how AI can assist in human creativity
How can ML ensure that offices continue to adapt to changing working behaviours?

Participants

Richard Tyson - Director of Intelligent Places, Gensler

Putting the Fear Back into Cybersecurity Education

1:40pm - 2:00pm

IoT World IoT Security Conference

A new threat, a new email wave, an old vector, you name it – and we are all at risk of another brutal hack unless our teams are made constantly aware.

- Honoring the culture of your company (and its risks)
- How to reach a diverse audience in the “instant gratification economy”
- Physical, logical, and ideological risks

Participants

Speaker: Stuart Samples - Head of Cyber Security, Thyssenkrupp North America, Inc.

Panel: The Fast and the Curious: Smart Roads to Better, Safer IoT

1:40pm - 2:20pm

IoT World Developer Conference

- Learn the latest methods for bringing a commercial or in-house IoT application or device into production more quickly, efficiently and securely
- Discover real-life techniques, technologies, frameworks and mindsets you and your team can up your develop-and-deploy game
- Hear proven front-line advice on smart architectures, DevOps, better testing and QA, continuous integration, digital twins and much more

Connecting, Computing and Controlling: Developing a Seamless Process to Reach the Intelligent Edge

1:40pm - 2:00pm

IoT World Edge Computing Conference

- Connecting devices and networks that facilitates data exchanges that promote new sources and quantities of data
- Using systems that compute the data, providing access to applications and delivering insights
- Using the computed insights to promote action, controls the devices at the edge within a business or enterprise where the edge is connected

How Track and trace Programs are Revolutionizing Manufacturing by Reducing Human Error

2:00pm - 2:20pm

Manufacturing & Supply Chain

- Minimizing operational downtime with connected sensors as well as mitigating the risk of equipment downtime
- Moving beyond asset tracking to guiding assembly operations
- IoT Bluetooth Low-Energy devices joining RFID in asset management and tracking space to benefit productivity for manufacturers

Energy-as-a-service: A look at how IoT can give you back your competitive edge amid customer modernization

2:00pm - 2:20pm

Energy and Resource Production

- Bowing down to the consumer: what does increasing customer grid control mean for operators as energy transitions into a service?
- Understanding customer evolution and the utility of the future as IoT and emerging technologies allow consumers to rely less on centralized energy systems and more on their own energy production
- A look at how customers are impacting the entire energy ecosystem, from downstream to upstream, and how to begin preparing now for the influence they will have on future market structures

Putting AV Tech to the Test - The Rideshare Company Perspective

2:00pm - 2:20pm

Connected & Autonomous Vehicles

- Examining the different business models that are emerging as winners in AV, and what circumstances are enabling them
- autonomous technology development vs vehicle ownership
- Insight into the use cases for sensors in self-driving vehicles
- How are customer expectations and perceptions of AV initiatives changing in the US?
- Understanding how IoT and connectivity are powering market expansion strategies including the use of bikes/scooters for moving people

Propelling smart cities into the future with 5G

2:00pm - 2:20pm

IoT World 5G & Connectivity Conference

- Ensure that all customers are appeased with maintained high bandwidth through the optimum small cell density
- Coming to terms with the negatives of a connected city and guarding against prospective hacking
- Taking control of 5G: a look at the possibility for smart cities to own a private network

Natural language processing, consumer personalization and the makings of modern marketing?

2:00pm - 2:20pm

IoT World Artificial Intelligence Conference

- Identifying opportunity to deliver automated content creation using NLP that enhances customer digital experience, and accepting when a more “human” approach may be more appropriate
- When to build a chatbot and train conversational machine learning
- Balancing customer privacy and the pursuit of profit: understanding customer concerns around privacy and company trust

Participants

Tanushree Luke - Head of Artificial Intelligence, US Bank

Creating cybersecurity that is robust enough for threats now but smart and resilient enough for threats in the future

2:00pm - 2:20pm

IoT World IoT Security Conference

In an ideal situation, cybersecurity in the near future will have everything within the IoT safe and secure – for the moment. It is important that security solutions aren't near-sighted, they need to be flexible and think long-term.

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2:00pm - 8:00pm
Exhibition Hours

How Edge Computing will Optimize Supply Chain Processes by Minimizing Consumer's Productivity Downtime

2:00pm - 2:20pm
IoT World Edge Computing Conference

- How edge will help predict when a part of the supply chain will need maintenance and replacements, responding in time
- Improving transportation logistics, by creating a new level of visibility for tracking, with better insights

Utilizing Big Data to Bring Value to Upstream E&P Business and Transformation

2:20pm - 2:40pm
Manufacturing & Supply Chain

- Leveraging machine learning and blockchain to improve the oil and gas process and creating economic value
- Executing data science innovation to help customers achieve their core business objectives around digital transformation

Participants

Speaker: Gilbert Meyer-Gauen - Director, Asset Management, National Oilwell Varco

Navigate your way through the IoT-fuelled energy transition expertly with new business models

2:20pm - 2:40pm
Energy and Resource Production

- Selling the IoT and data business case: get age-old organizations on board with the rapid change to capitalize on the digitization opportunity
- Understand how traditional energy organizations can reinvent business models which welcome innovative technologies and keep up with disruptors
- Utilize the power of IoT to advance ways of working for enhanced productivity and danger reductions
- The move to flexibility markets as energy becomes a service: how are major players collaborating to transform outdated strategies?

Participants

Jeroen Leverman - IT Technology Director, NextEra Energy Resources

Assessing the Latest Development Surrounding V2X Testing for CAV/AV

2:20pm - 2:40pm
Connected & Autonomous Vehicles

- Examining the benefits of V2X technology to enhance safety and reduce traffic congestion for road users
- Reviewing the challenge in testing the sheer number of possible scenarios that an autonomous vehicle could face
- Real world scenarios and feedback on vehicle testing performed to date

A new dawn for governmental critical services with 5G at the core

2:20pm - 2:40pm
IoT World 5G & Connectivity Conference

- What is the current broadband usage to connect with the public? A look at apps, internal search engines and data retrieval
- The 5G value proposition: 5G's role in enabling the public to interact with government through security and consistent response
- Understanding how government and 5G carriers can facilitate one another for the best results

Participants

Tim Trager - Public Safety Communications Division Chief, San Bernadino County

Smart Grid case study: Where can Machine Learning help establish a more affordable, reliable and sustainable energy network

2:20pm - 2:40pm
IoT World Artificial Intelligence Conference

- When much of the grid has been built to be navigated from a control room, what infrastructural challenges are facing utilities to ensure flexible algorithms can run in near real-time? What implications will this have between deploying edge and cloud?
- Managing expectations: Exploring the economic and infrastructural challenges when building a grid-wide computing system powerful enough to run complex ML algorithms.
- Grid operation and grid asset management: how to monitor and maintain assets, including tracking equipment failure
- Pre-emptive responsive to potential danger: How crucial AI analytics across the smart grid can help predict and prepare for weather changes and build resiliency for potential natural disasters. What opportunities through partnering and sharing this data will deliver crucial information in emergency response?

Artificial Intelligence and Cybersecurity – combining traditional techniques with cutting edge AI to outfox the hackers

2:20pm - 2:40pm
IoT World IoT Security Conference

While AI is an amazing tool that is advancing cybersecurity in all sorts of ways, the same techniques used to train AI that defends the IoT can be used to train AI that attacks it. The best way to stay on top of cybersecurity and prevent hacks is to combine traditional techniques with AI. Utilizing cybersecurity solution firms, regular system & network tests for gaps that are fixed immediately, and regular audits of HW & SW are just a few of these techniques.

Presentation: Case study: Facial Recognition Beer Kiosk at Hops

2:20pm - 2:50pm
IoT World Developer Conference

Hear the step-by step story behind the building of the world's first AI-powered beer kiosk for the Adult Beverage Company

Learn best practices for developing facial recognition systems, including privacy

Securing your Device! Improving the Organization's Cybersecurity Posture

2:20pm - 2:40pm
IoT World Edge Computing Conference

- If secure solutions aren't being implemented at the cloud level it will be insecure at the edge – developing security business models to create a holistic approach for the security component at the edge
- How edge computing improves security and privacy by keeping sensitive data within the device
- What edge can do when a device is being attacked - developing a counter measure and remediation tactics during active threat situations

What are the keys to massive Internet of Things (IoT) and why is it finally happening?

2:40pm - 3:00pm
Manufacturing & Supply Chain

In 2010, analysts predicted there would be 50 billion connected devices by 2020. Now that we are here, it is closer to 20 billion.

- Is IoT an inflated revolution?
- What is the situation vs. expectations and the keys to unlock them?

Participants

Jeremy Prince - President, Sigfox USA

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Are you prepared for the next hacking attack? Next steps for cybersecurity in an increasingly vulnerable industry

2:40pm - 3:00pm
Energy and Resource Production

- Don't lose sight of your data as increasing numbers of distributed energy resources on the grid weaken visibility and loosen control of endpoints
- Beyond the buzzword and a look at the core issues with cybersecurity: how can you successfully overcome these to secure critical infrastructure and prevent dangers?
- With more sensors comes more hacking potential: maintain customer privacy from the plant to the home as susceptibility rises

New Developments and Potential for Edge Computing for Auto

2:40pm - 3:00pm
Connected & Autonomous Vehicles

- Latest updates, trends and user case studies on new applications in the automotive sector
- Creating better collaborations for on the road operations
- The benefits of edge computing from a safety and efficiency point of view

Strengthening profits for farmers through enriched connectivity solutions

2:40pm - 3:00pm
IoT World 5G & Connectivity Conference

- A look at how major agricultural players are taking advantage of the ability to collect data to monitor crucial factors such as crop seasons, equipment, and fertilizer
- Discover where precision agriculture is heading: what needs to happen to make these enhancements a reality?

Participants

Stephen Noller - CEO, Ubirch GmbH

Preparing for the evolution of AI automation: aligning RPA, predictive maintenance and effective deployment for tangible ROI

2:40pm - 3:00pm
IoT World Artificial Intelligence Conference

- from predictive to proactive maintenance: Utilizing enterprise asset management data to align BPA with predictive maintenance.
- Using BPA to improve the reliability and adaptability of brownfield equipment.
- How can the data generated from automation become an asset for the entire value chain? How can this be further utilized either internally through cost savings or monetized externally?

Cybersecurity Threats against ICS system in Smart Manufacturing: Best Practices and Implementations

2:40pm - 3:00pm
IoT World IoT Security Conference

Participants

Speaker: **Richard Ku** - Sr. VP, Commercial IoT Business & Market Development, TrendMicro

Architecting at the Edge: Deploying the Right Architecture for your Solution

2:40pm - 3:00pm
IoT World Edge Computing Conference

From Sensors to Insights: Applying AI to IoT Data

2:50pm - 3:20pm
IoT World Developer Conference

Applying the power of IoT and AI lets organizations gain valuable insights from a universe of physical assets, from vehicles to facilities and systems

Learn how to harness the unprecedented power available to developers and deployers to deliver operational and financial value and predictive maintenance insights

Take a fast-paced journey that follows IoT sensor data from generation, edge gateways and analytics, encryption, the cloud, Watson IoT, Node-RED processing, cloud storage, Watson Studio, Apache Spark analysis in Jupyter notebooks, PixieDust visualization and machine learning algorithms

Afternoon Networking Break

3:00pm - 3:30pm
Manufacturing & Supply Chain

Afternoon Networking Break

3:00pm - 3:30pm
Energy and Resource Production

Afternoon Networking Break

3:00pm - 3:30pm
Connected & Autonomous Vehicles

Afternoon Networking Break

3:00pm - 3:30pm
IoT World 5G & Connectivity Conference

Afternoon Networking Break

3:00pm - 3:30pm
IoT World Artificial Intelligence Conference

Afternoon Networking Break

3:00pm - 3:30pm
IoT World IoT Security Conference

Afternoon Networking Break

3:00pm - 3:30pm
IoT World Edge Computing Conference

Afternoon Networking Break

3:20pm - 3:50pm
IoT World Developer Conference

Utilizing tools and platforms to create continuity and standard business practice so an international supply chain can run smoothly

3:30pm - 3:50pm
Manufacturing & Supply Chain

- Implementing tools and platforms is easy
- Managing cultures and business practices across multiple countries is difficult
- How do you start with tools and platforms and end with visibility and smooth execution of 'the last mile' in such a large and complex supply chain?

Participants

Prasad Juvenkar - Head of Supply Chain Digital Transformation & Innovation, Bayer

Enabling the digital energy workforce of the future

3:30pm - 3:50pm
Energy and Resource Production

- Learn how to train workers to use new technologies so your organization can capitalize on the IoT opportunity
- Decreasing dangers through connectivity and communication: A look at how IoT can drastically improve safety for those working in mines, on grids and remotely elsewhere within the energy industry

Participants

Brian McGee - Manager of IT Business Solutions, American Transmission Company

SESSIONS

IoT WORLD DAY THREE - KEYNOTES, 9X CONFERENCE TRACKS
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CA, USA

VC Perspective: Assessing What's to Come for the CV/AV Investment Landscape

3:30pm - 3:50pm

Connected & Autonomous Vehicles

- Evaluating the current state of affairs and determining if the environment has shifted from autonomous vehicles to other areas
- What are potential game changing scenarios in this market?
- Understanding where investors are looking over the next 6-12 months to make a profit in the next 5-10 years
- Examining the business models that are emerging as winners and what circumstances are enabling them?

Participants

Mark Platshon - Managing Director & Co-Founder, Icebreaker Ventures

Empowering IIoT in the smart factory with enhanced connectivity and 5G

3:30pm - 3:50pm

IoT World 5G & Connectivity Conference

- Harnessing the power of private 5G and LTE networks for smart factories to enable control of all variables within the campus
- Capitalize on 5G which can reduce time to market and increase efficiencies
- Is small cell infrastructure actually necessary for a factory, and what are the alternatives if not?
- With NB-IoT and LPWANs increasingly being harnessed to connect sensors in factories, discover how they will work together (or not!)

Participants

Jack Wright - Technical Leader - Networks, Advanced Infrastructure Technologies, Ford Motor Company

Preparing for the evolution of AI automation: aligning RPA, predictive maintenance and effective deployment for tangible ROI

3:30pm - 3:50pm

IoT World Artificial Intelligence Conference

- from predictive to proactive maintenance: Utilizing enterprise asset management data to align BPA with predictive maintenance.
- Using BPA to improve the reliability and adaptability of brownfield equipment.
- How can the data generated from automation become an asset for the entire value chain? How can this be further utilized either internally through cost savings or monetized externally?

Participants

Carl March - Director of Analytics, Stanley, Black & Decker

The importance of understanding why Cybersecurity is different from IT Security

3:30pm - 3:50pm

IoT World IoT Security Conference

- Challenges and pitfalls that arise when IoT solutions are implemented – where are the IT Security 'gotchas' that Cybersecurity can help solve?
- What are the implications of generating, owning, storing, and protecting data, both internal company data as well as customer?
- What sorts of physical, hardware, and software need to be put into place to create a Cybersecure environment?

Using Edge and Connectivity as the Backbone for your City – Improving Public Safety and Reducing Latency

3:30pm - 3:50pm

IoT World Edge Computing Conference

- Utilizing edge-based V2V (Vehicle to Vehicle) Communications
- Choosing the right platform that do not infringe of city costs, funds and investments, while having the potential to scale across the whole city on a large deployment level
- Increasing public safety efficiency for security and safety of citizens

Plan, Implement, Maintain: Managing large-scale logistics and supply chain operations

3:50pm - 4:10pm

Manufacturing & Supply Chain

- Minimizing operational downtime with connected sensors as well as mitigating the risk of equipment downtime
- Moving beyond asset tracking to guiding assembly operations
- IoT Bluetooth Low-Energy devices joining RFID in asset management and tracking space to benefit productivity for manufacturers

Panel Discussion – Upgrading aging infrastructure in oil and gas industries: Moving towards an interoperable and connected future

3:50pm - 4:30pm

Energy and Resource Production

- A look at new connectivity solutions from CAT-M to NB-IoT: how are major players rebuilding existing infrastructure to allow these technologies to thrive?
- With cellular not making sense at all sites, how can you harness satellite tech to reach even the most remote locations on oil fields and ensure impressive results
- Utilizing private networks on plant sites to maximize security and enhance productivity efficiencies

Panel: Future of the Connected Society

3:50pm - 4:30pm

Connected & Autonomous Vehicles

- Evaluating the impact that CAV technology will have in altering the transportation landscape with ever-changing implications for society
- The role federal, state and local leaders will play in developing public policies that are critical to managing the safe and efficient deployment of CAV
- How are customer expectations and perceptions of connected vehicle smart initiatives changing in the US?
- Reviewing new trends in CASE mobility and the future of transportation

Participants

Moderator: John Canali - Principal Senior Analyst, IoT, Ovum

Asfand Yar Siddiqui - Connected Vehicle Infrastructure Development Branch, California Department of Transportation

Kris Bailey - CEO, Eevee Mobility

Panel Discussion - Could 5G be the cement which connects and leads the way towards smart(er) buildings?

3:50pm - 4:30pm

IoT World 5G & Connectivity Conference

- The key to seamless in-building connectivity? A look at building management system players and their 5G adoption
- 5G doesn't just have to be for large corporations, leverage 5G as a Small to Medium Enterprise to create smarter working spaces
- Should you retrofit new connectivity infrastructure into existing buildings or start from scratch? Get to grips with what works best for unified connected buildings

Participants

Moderator: Neil Shah - VP Research & Partner, Counterpoint Research

Panellist: Jennifer Fritzsche - Managing Director, Equity Research Group, Wells Fargo

SESSIONS

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Re-imagining work in the era of AI – Navigating the ethics, limitations and opportunities as AI as a tool for human creativity within businesses

3:50pm - 4:30pm

IoT World Artificial Intelligence Conference

- Identifying job roles within the entire business structure that would be enhanced by AI integration. Normalisation of AI infused career paths and smoothing the integration process of AI in 'non-tech' careers such as HR.
- Training the data scientists of today, and tomorrow: How does the education system need to help shape the next generation of data scientists.
- Understanding the intersection of Digital equity and career opportunity: What is the importance of public and private sector co-operation to build initiatives that enable equal opportunity? Why does AI development need to consider intersectionality?

Participants

Panelist: Shibani Rai - California Head, She Loves Data

Akanksha Sharma - Director of Data Engineering, Royal Bank of Canada

Henry Li - Director Technology Banking Group, Wells Fargo

Creating cybersecurity that is robust enough for threats now but smart and resilient enough for threats in the future

3:50pm - 4:10pm

IoT World IoT Security Conference

In an ideal situation, cybersecurity in the near future will have everything within the IoT safe and secure – for the moment. It is important that security solutions aren't near-sighted, they need to be flexible and think long-term.

Best Practices Using MQTT to Connect Millions of IoT Devices

3:50pm - 4:20pm

IoT World Developer Conference

- Learn how major companies deploy MQTT to connect millions of IoT devices
- Understand how you can scale MQTT brokers on cloud platforms, like AWS, Azure and Kubernetes
- Discover the architectural and deployment best practices to ensure your MQTT system is reliable and secure

Panel: Preparing for the Take off - What does the Future of Edge Computing Hold for Digital Transformation?

3:50pm - 4:30pm

IoT World Edge Computing Conference

- How will edge computing impact different industries?
 - Creating the right framework and business models to avoid failure when launching edge computing projects within your business
-

Building IoTopia - Standardizing security for IoT devices & services

4:10pm - 4:30pm

IoT World IoT Security Conference

In this presentation, GlobalPlatform, a non-profit industry association driven by approximately 90 member companies will deliver insights into its new initiative, IoTopia. The initiative:

- Proposes a common framework to standardize the design, certification, deployment and management of IoT devices
- Aims to be testable and meet vertical requirements by building on four foundational pillars: secure by design; device intent; autonomous, scalable and secure onboarding; and device life-cycle management
- Will be a simple but executable framework that is standards-based, industry-wide and able to evolve as security capabilities and requirements change
- Will provide the opportunity to support tiers of security as well as certification in desired verticals

Participants

Speaker: Nils Gerhardt - SVP - Head of Products & Solutions, Project Mgt, Prod. IT and Professional Srv-Region AMERICAS at G+D; Chairman of the Board of Directors, GlobalPlatform

Panel discussion: What's the deal with...?

4:20pm - 5:00pm

IoT World Developer Conference

- Assessments from peers and experts on new IoT technologies, projects, hardware, software and services
- Target topics: edge and IoT, starting an IoT company, 5G, WIFI 6, digital twins
- A highly interactive, wide-ranging session driven by your most pressing issues, concerns and questions

SCHEDULE

IoT WORLD DAY THREE - KEYNOTES, 9X CONFERENCE TRACKS & EXHIBITION - 08/04/2020

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TIME	ANALYST BREAKFAST BRIEFINGS	CONNECTED & AUTONOMOUS VEHICLES	ENERGY AND RESOURCE PRODUCTION	EXECUTIVE KEYNOTES	EXHIBITION HOURS	IOT WORLD 5G & CONNECTIVITY CONFERENCE	IOT WORLD ARTIFICIAL INTELLIGENCE CONFERENCE	IOT WORLD DEVELOPER CONFERENCE	IOT WORLD EDGE COMPUTING CONFERENCE	IOT WORLD IOT SECURITY CONFERENCE	MANUFACTURING & SUPPLY CHAIN
7:00AM	7:30am - Analyst Breakfast Briefings										
8:00AM				<p>8:40am - Chairperson's Opening Remarks</p> <p>8:50am - Digital as an Enabler to Customer Success</p>							
9:00AM				<p>9:10am - Digitizing Operations with AI: Helping Gain Momentum for IoT Powered Applications</p> <p>9:30am - Engineering with AI to Bring Data Science to the Roads</p> <p>9:50am - Accelerating the Cutting Edge of Industries with Big Data and Analytics</p>							

SCHEDULE

IOT WORLD DAY THREE - KEYNOTES, 9X CONFERENCE TRACKS & EXHIBITION - 08/04/2020

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10:00AM				<p>10:10am - Panel: Uniting Talent, Tech and Education – Laying the Foundations for new technical, strategic and commercial skills required to unlock opportunity in the age of IoT</p> <p>10:40am - Morning Networking Break</p>							

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11:00AM		<p>11:30am - Chairman's Opening Remarks - Connected & Autonomous Vehicles</p> <p>11:40am - New Trends in Connected Car Applications and Services</p>	<p>11:30am - Chairpersons Opening Remarks - Energy & Resources</p> <p>11:40am - Harnessing the Internet of Things for a decentralized future with distributed energy resources (DERs)</p>		<p>11:30am - Expo Opens at 10am!</p>	<p>11:30am - Chairpersons Opening Remarks - IoT World 5G & Connectivity Conference</p> <p>11:40am - Prove the commercial business case and win buy-in for IoT applications</p>	<p>11:30am - Chairperson's Opening Remarks</p> <p>11:40am - Building a Modular AI Framework: Created tailored AI as a solution for your business needs?</p>	<p>11:30am - Chairman's Opening Remarks: Developer Conference: Build & Deploy</p> <p>11:40am - Designing with Sensors Made Simple</p>	<p>11:30am - Chairperson's Opening Remarks: IoT World Edge Computing Conference</p> <p>11:40am - Data Monetisation: A Case for Edge Computing</p>	<p>11:30am - Chairpersons Opening Remarks - IoT World Security Conference</p> <p>11:40am - A multi-layered approach to cybersecurity solutions</p>	<p>11:30am - Chairman's Opening</p> <p>11:40am - 5G For Manufacturing – Hype or Hope?</p>
12:00PM		<p>12:00pm - Panel: Connected Car Connectivity - A Network of Networks – 5G, DSRC & CV2X</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:00pm - Panel Discussion – Improve safety and prevent failures from upstream to downstream with predictive maintenance fueled by IoT-driven sensor data</p> <p>12:40pm - Networking Lunch & Exhibition Visit</p>			<p>12:00pm - Panel Discussion - Set the automotive industry in motion with 5G and vehicle-to-everything (V2X)</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:00pm - Panel: Smoothing the scaling process: Trials and triumphs from across the AI ecosystem</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:10pm - Best Practices in IoT Architecture</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:00pm - Panel: Progressing Standardization for the IoT Edge Computing Ecosystem to Produce Successful and Efficient Results</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:00pm - Panel: Creating Public / Private collaboration to fill the gaps in cybersecurity standardization</p> <p>12:40pm - Networking Lunch Break</p>	<p>12:00pm - Panel: Utilizing supply chain 4.0 to streamline and revitalize the manufacturing process</p> <p>12:40pm - Networking Lunch Break</p>

SCHEDULE

IoT WORLD DAY THREE - KEYNOTES, 9X CONFERENCE TRACKS & EXHIBITION - 08/04/2020

IoT World Conference and Expo 2020 | The Leading IoT Event

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1:00PM		1:40pm - Research Study: V2X for Collaborative Automated Driving	1:40pm - Green is the new black: IoT's role in spearheading the energy generation transformation through solar and alternative sources			1:40pm - Has the advent of 5G and its impact on connectivity technologies moved us closer to a remote healthcare future?	1:40pm - Architecture case study: Building the modern workplace through data-driven design	1:40pm - Panel: The Fast and the Curious: Smart Roads to Better, Safer IoT	1:40pm - Connecting, Computing and Controlling: Developing a Seamless Process to Reach the Intelligent Edge	1:40pm - Putting the Fear Back into Cybersecurity Education	1:40pm - Futureproofing your Farm with the Digital Twin and Remote Monitoring solutions

SCHEDULE

IoT WORLD DAY THREE - KEYNOTES, 9X CONFERENCE TRACKS & EXHIBITION - 08/04/2020

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2:00PM		<p>2:00pm - Putting AV Tech to the Test - The Rideshare Company Perspective</p> <p>2:20pm - Assessing the Latest Development Surrounding V2X Testing for CAV/AV</p> <p>2:40pm - New Developments and Potential for Edge Computing for Auto</p>	<p>2:00pm - Energy-as-a-service: A look at how IoT can give you back your competitive edge amid customer modernization</p> <p>2:20pm - Navigate your way through the IoT-fuelled energy transition expertly with new business models</p> <p>2:40pm - Are you prepared for the next hacking attack? Next steps for cybersecurity in an increasingly vulnerable industry</p>		<p>2:00pm - Exhibition Hours: 10.00am - 4.00pm</p>	<p>2:00pm - Propelling smart cities into the future with 5G</p> <p>2:20pm - A new dawn for governmental critical services with 5G at the core</p> <p>2:40pm - Strengthening profits for farmers through enriched connectivity solutions</p>	<p>2:00pm - Natural language processing, consumer personalization and the makings of modern marketing?</p> <p>2:20pm - Smart Grid case study: Where can Machine Learning help establish a more affordable, reliable and sustainable energy network</p> <p>2:40pm - Preparing for the evolution of AI automation: aligning RPA, predictive maintenance and effective deployment for tangible ROI</p>	<p>2:20pm - Presentation: Case study: Facial Recognition Beer Kiosk at Hops</p> <p>2:50pm - From Sensors to Insights: Applying AI to IoT Data</p>	<p>2:00pm - How Edge Computing will Optimize Supply Chain Processes by Minimizing Consumer's Productivity Downtime</p> <p>2:20pm - Securing your Device! Improving the Organization's Cybersecurity Posture</p> <p>2:40pm - Architecting at the Edge: Deploying the Right Architecture for your Solution</p>	<p>2:00pm - Creating cybersecurity that is robust enough for threats now but smart and resilient enough for threats in the future</p> <p>2:20pm - Artificial Intelligence and Cybersecurity – combining traditional techniques with cutting edge AI to outfox the hackers</p> <p>2:40pm - Cybersecurity Threats against ICS system in Smart Manufacturing: Best Practices and Implementations</p>	<p>2:00pm - How Track and trace Programs are Revolutionizing Manufacturing by Reducing Human Error</p> <p>2:20pm - Utilizing Big Data to Bring Value to Upstream E&P Business and Transformation</p> <p>2:40pm - What are the keys to massive Internet of Things (IoT) and why is it finally happening?</p>

SCHEDULE

IoT WORLD DAY THREE - KEYNOTES, 9X CONFERENCE TRACKS & EXHIBITION - 08/04/2020

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3:00PM		<p>3:00pm - Afternoon Networking Break</p> <p>3:30pm - VC Perspective: Assessing What's to Come for the CV/AV Investment Landscape</p> <p>3:50pm - Panel: Future of the Connected Society</p>	<p>3:00pm - Afternoon Networking Break</p> <p>3:30pm - Enabling the digital energy workforce of the future</p> <p>3:50pm - Panel Discussion – Upgrading aging infrastructure in oil and gas industries: Moving towards an interoperable and connected future</p>			<p>3:00pm - Afternoon Networking Break</p> <p>3:30pm - Empowering IIoT in the smart factory with enhanced connectivity and 5G</p> <p>3:50pm - Panel Discussion - Could 5G be the cement which connects and leads the way towards smart(er) buildings?</p>	<p>3:00pm - Afternoon Networking Break</p> <p>3:30pm - Preparing for the evolution of AI automation: aligning RPA, predictive maintenance and effective deployment for tangible ROI</p> <p>3:50pm - Re-imagining work in the era of AI – Navigating the ethics, limitations and opportunities as AI as a tool for human creativity within businesses</p>	<p>3:20pm - Afternoon Networking Break</p> <p>3:50pm - Best Practices Using MQTT to Connect Millions of IoT Devices</p>	<p>3:00pm - Afternoon Networking Break</p> <p>3:30pm - Using Edge and Connectivity as the Backbone for your City – Improving Public Safety and Reducing Latency</p> <p>3:50pm - Panel: Preparing for the Take off - What does the Future of Edge Computing Hold for Digital Transformation?</p>	<p>3:00pm - Afternoon Networking Break</p> <p>3:30pm - The importance of understanding why Cybersecurity is different from IT Security</p> <p>3:50pm - Creating cybersecurity that is robust enough for threats now but smart and resilient enough for threats in the future</p>	<p>3:00pm - Afternoon Networking Break</p> <p>3:30pm - Utilizing tools and platforms to create continuity and standard business practice so an international supply chain can run smoothly</p> <p>3:50pm - Plan, Implement, Maintain: Managing large-scale logistics and supply chain operations</p>
4:00PM								<p>4:20pm - Panel discussion: What's the deal with...?</p>		<p>4:10pm - Building IoTopia - Standardizing security for IoT devices & services</p>	

SESSIONS

IoT WORLD DAY 4 - POST CONFERENCE & TRAINING DAY
- 09/04/2020

IoT World Conference and Expo 2020 | The
Leading IoT Event

April 6 - 9, 2020
San Jose Convention Center
CA, USA

Opening Remarks

9:00am - 9:10am
Silicon Valley AgTech Conference

Microsoft Keynote

9:10am - 9:40am
Silicon Valley AgTech Conference

Sponsor Presentation

9:40am - 10:00am
Silicon Valley AgTech Conference

2020 AgTech Investment Outlook: Hear from the VCs

10:00am - 10:40am
Silicon Valley AgTech Conference

Venture capital continues to play a pivotal role in the development and deployment of new ag/food technologies. Hear from some of Silicon Valley's most prominent late-stage investors about industry trends, promising technologies, and potential opportunities for startups and entrepreneurs

Networking Break

10:40am - 11:00am
Silicon Valley AgTech Conference

IoT in the Field: Making Data Actionable

11:00am - 11:40am
Silicon Valley AgTech Conference

Many growers now have access to vast amounts of data about their crops, fields, and workers. While much of this data can be interesting, not all of it is useful and/or actionable. In fact, an overabundance of data can sometimes muddy the waters. This panel will discuss how large amounts of data can be assessed and utilized more efficiently.

Sponsor Presentation

11:40am - 12:00pm
Silicon Valley AgTech Conference

Lunch + Grower Q&A

12:00pm - 1:00pm
Silicon Valley AgTech Conference

Sustainable Agriculture: The Role of Technology

1:00pm - 1:40pm
Silicon Valley AgTech Conference

In order to feed a growing population, we will need to produce more with less. Hear about new and innovative technologies that are revolutionizing sustainable and efficient food production.

Sponsor Presentation

1:40pm - 2:00pm
Silicon Valley AgTech Conference

Autonomous Ag: Robots in the Field and Supply Chain

2:00pm - 2:40pm
Silicon Valley AgTech Conference

From picking fruit to stocking shelves, robots continue to have a significant impact on the way food is produced, packaged, and distributed. What applications can we expect to see next?

Networking Break

2:40pm - 3:00pm
Silicon Valley AgTech Conference

Controlled Environments: Indoor & Vertical Agriculture

3:00pm - 3:40pm
Silicon Valley AgTech Conference

Controlled Environment Agriculture has established itself as a major sector within AgTech, having generated large and widely publicized investments from across the industry. Hear from our expert panel about the latest technologies and opportunities in this already established field.

Sponsor Presentation

3:40pm - 4:00pm
Silicon Valley AgTech Conference

Startup Pitches & Demos

4:00pm - 5:00pm
Silicon Valley AgTech Conference

SCHEDULE

IOT WORLD DAY 4 - POST CONFERENCE & TRAINING DAY
- 09/04/2020

IoT World Conference and Expo 2020 | The
Leading IoT Event

April 6 - 9, 2020
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CA, USA

TIME	SILICON VALLEY AGTECH CONFERENCE
9:00AM	9:00am - Opening Remarks 9:10am - Microsoft Keynote 9:40am - Sponsor Presentation
10:00AM	10:00am - 2020 AgTech Investment Outlook: Hear from the VCs 10:40am - Networking Break
11:00AM	11:00am - IoT in the Field: Making Data Actionable 11:40am - Sponsor Presentation
12:00PM	12:00pm - Lunch + Grower Q&A
1:00PM	1:00pm - Sustainable Agriculture: The Role of Technology 1:40pm - Sponsor Presentation
2:00PM	2:00pm - Autonomous Ag: Robots in the Field and Supply Chain 2:40pm - Networking Break
3:00PM	3:00pm - Controlled Environments: Indoor & Vertical Agriculture 3:40pm - Sponsor Presentation
4:00PM	4:00pm - Startup Pitches & Demos