

# SESSIONS

DAY ONE: TUESDAY AUGUST 11, 2020 - 11/08/2020

IoT World Virtual Conference & Expo 2020

**Virtual Event**  
August 11 - 13, 2020  
8:30 am - 5:30 pm PT

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## Welcome to IoT World Virtual Remarks by Zach Butler

8:30am - 8:40am  
Track 1 - Industrial IoT

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8:30am - 8:40am  
Track 2 - 5G & IoT Connectivity

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Track 3 - Edge Computing & AI

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Track 4 - Developing IoT

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8:30am - 8:40am  
Speakers AMA (Ask Me Anything!)

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8:30am - 8:40am  
Ecosystem Summit (Free Content)

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## IoT Market Updates and Forecast presented by Omdia

8:40am - 9:00am  
Track 1 - Industrial IoT

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## Unlocking IoT's Full Potential

9:00am - 9:20am  
Track 1 - Industrial IoT

- How has digital become more of an opportunity for businesses with the sudden shift in dynamic?
- What are the challenges that have surfaced with the need for remote monitoring and working?

### Participants

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

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## Digital as an Enabler to Customer Success

9:20am - 9:40am  
Track 1 - Industrial IoT

- "Digital" as a process of transforming data and information into actionable outcomes and insights, making customers able to make better decisions
- Saving customers money, resource and time and being a leader in the IoT space
- Helping the economic growth of businesses and increasing sustainable development

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## Selling IoT and How to Make Money in IoT

9:20am - 9:40am

Ecosystem Summit (Free Content)

### Participants

**Speaker: Steve Brumer** - BH IoT Group, BH IoT Group

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## Keynote Panel Discussion: Reshaping Technology and Business - How Businesses in IoT are Adapting to the New Normal

9:40am - 10:10am

Track 1 - Industrial IoT

- How changes within the workforce has been impacted by COVID-19, and how workers have been adjusting to a modified way of things
- IT, OT, Technology and Business – Who and How do you Collaborate Internally and with Partners?

### Participants

**Panelist: Fabian Schmahl** - President & CEO, thyssenkrupp Bilstein of America, Inc.

**Panelist: Robert Schmid** - Chief Futurist aka Mr. IoT, Deloitte Consulting LLP

**Moderator: Joshua Builta** - Director - IoT, OMDIA

**Panelist: Nash Chakraborty** - Sr. Director of Marketing, Cloud Industry Analyst Relations, Siemens Digital Industry Software, Siemens

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## Global IoT Connectivity: LPWAN to 5G

9:40am - 10:00am

Ecosystem Summit (Free Content)

### Participants

**Speaker: Ajay Joseph** - CTO, iBASIS

## IoT Leader of the Year Shortlist Fireside Chat 3

10:00am - 10:20am

Ecosystem Summit (Free Content)

[IoT World Today](#) will be joined by selected shortlisted IoT Leader of the Year nominees, to discuss how they are leading their IoT organization through change, pivoting business models and driving their business into the new normal.

## Networking and Meetings Time

10:10am - 10:40am

Track 1 - Industrial IoT

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10:10am - 10:40am

Track 2 - 5G & IoT Connectivity

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## Networking and Meetings Time

10:10am - 10:40am

Track 4 - Developing IoT

## Speaker AMA Room Open!

10:10am - 10:40am

Speakers AMA (Ask Me Anything!)

## Panel Discussion: How IoT is Tackling COVID-19

10:20am - 10:50am

Ecosystem Summit (Free Content)

Many have documented that if this global pandemic had happened even just 20 years ago, our lives and organizations would have been impacted even more dramatically than they have been today. Technology developments have enabled us to remain connected virtually and enabled digital ready businesses to pivot remotely at rapid pace. It is now not a question of "if" to digitize but "how fast". IoT technologies have and will be fundamental in progressive organizations and industries to adapt and thrive in our new world.

IoT World and IoT World Today are honored to recognize those that have used IoT technologies in notable ways to adapt to COVID-19 by launching the COVID-19 IoT Innovation Award.

This Panel Session will showcase the stories of a select shortlist of nominees from this years COVID-19 IoT Innovation Award.

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

10:40am - 11:00am

Track 1 - Industrial IoT

- 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

**Speaker: Deanna Kovar** - Vice President, Production & Precision Ag Production Systems, John Deere

## Ultra-reliable, low latency applications (URLLC)

10:40am - 11:00am

Track 2 - 5G & IoT Connectivity

- 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 realised 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)

## Securing IoT and Edge the Cyber Security Way

10:40am - 11:00am

Track 3 - Edge Computing & AI

- Analysing how edge impacts the IoT ecosystem, and why do we need to secure edge?
- What skills are needed to protect the IoT security framework

### Participants

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

## The No-code Approach to Data Management and Intelligence at the Edge

10:40am - 11:00am

Track 4 - Developing IoT

In this session you will learn:

1. Quick and easy data ingestion from edge devices using light-weight agents.
2. Flow-based modeling for designing edge processing logic with transformations. Push flow and ML models to the edge to reduce costly roundtrips.
3. Manage, monitor and control agents across thousands of devices from a single control pane.

### Expo Times/Meetings

10:50am - 11:10am

Ecosystem Summit (Free Content)

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

11:00am - 11:20am  
Track 1 - Industrial IoT

- 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

### Participants

**Speaker: Seshagiri Marellapudi** - PreSales Head, MindSphere IIoT Cloud Services, Siemens

## EnerCera series: Innovation in IoT device power supply

11:00am - 11:20am  
Track 2 - 5G & IoT Connectivity

In order to solve social issues, the collection and utilization of data is crucial. This is best achieved by deploying a large number of small IoT devices. Batteries are usually needed to drive edge microcomputer and wireless communication functions on IoT devices, but due to the technological issues of traditional batteries, we are facing there exist difficulties to install them into deploy IoT devices. In this presentation, you can see how EnerCera battery can solve these issues along with application examples in the field of energy harvesting, wireless charging, IC card, sensor tag, automobile, printed electronics, In-Mold Electronics etc.

### Participants

**Iwao Ohwada** - Vice President, General Manager, Advanced Device Components Division, Electronic Business Group, NGK Insulators Ltd.

## Edge Computing Delivers ROI in Process Manufacturing

11:00am - 11:20am  
Track 3 - Edge Computing & AI

- Interoperating platforms at a large-scale deployment to reach cost effectiveness of specific solutions
- Overcoming challenges of cost when building out edge computing infrastructure

### Participants

**Speaker: Stan Galanski** - SVP, Engineering Services, CBT

## Safety and Security, Two Must-Haves for a Robust Product Life

11:00am - 11:20am  
Track 4 - Developing IoT

In today's modern world, we hear of attacks on systems all the time. The Internet of Things (IoT) provides an increasing threat footprint for interconnected systems. How do you maintain a complete product life cycle keeping both safety and security in mind? Some best-in-class use cases for how to design and develop so that your product does its job every time safely and with security will be presented. Discussion will include partitioning the application for safety, securing the system from its initial boot, and therefore establishing a firm "root of trust", and authentication for Over-The-Air (OTA) updates.

### Participants

**Speaker: Stephen Olsen** - Principal Field Application Engineer, BlackBerry QNX

## Panel Discussion: Virtual teaching (theory and Lab) during the COVID-19 Pandemic

11:10am - 11:40am  
Ecosystem Summit (Free Content)

- How students are obtaining online lectures and managing virtual labs in order to continue their research and studies
- How remote education can prepare students for the new workplace reality

### Participants

**Moderator: Shivakumar Mathapathi** - Adjunct Faculty, Multiple Universities

## Learnings on How To Realize Scalable IIoT Value

11:20am - 11:40am  
Track 1 - Industrial IoT

Smart Manufacturing initiatives provide value but scaling that value can be elusive, especially for already to performing manufacturers. Combining Smart Manufacturing & Connected Products initiatives with a complete ecosystem delivers scalable value faster than the market.

### Participants

**Speaker: Sean Riley** - Global Industry Director for Manufacturing & Transportation, Software AG

## How IoT Has Reshaped the Need for Greater Broadband Capacity and Security

11:20am - 11:40am  
Track 2 - 5G & IoT Connectivity

- How has IoT impacted the need for broadband capacity?
- What sort of innovations and major projects have the telecom world launched to keep up with IoT?
- How can broadband and telecom companies keep their IoT customers secure?

### Participants

**Michael Burke** - CEO, MTA

## Squeezing Down to the Edge: Doing More with Less

11:20am - 11:40am  
Track 3 - Edge Computing & AI

- Edge computing can now be realized with simple microcontrollers
- Concepts like machine learning and localized edge voice control are a reality
- Developers can now make a whole new class of devices that collect and operate on more edge intelligence without cloud connectivity

### Participants

**Brad Rex** - Senior Manager, Product Marketing and Business Development, Renesas

## What Edge Computing Can Learn from the Moon Landings

11:20am - 11:40am  
Track 4 - Developing IoT

2019 marked the 50th anniversary of the first moon landing. Decades later, the Apollo program still stands as one of humanity's most impressive technical achievements. To think that we sent people in the void of space using a computer running at 1.024MHz and around 76K of memory!

Space travel is one of the earliest examples we have of connected devices and distributed computing; a real precursor to IoT and Edge. Many of the lessons learned throughout the duration of the Apollo program are still relevant today. For example, did you know that Apollo 13 is a case in point for standardization?

In this session, you will discover some of those lessons and how they can make your current and future deployments of Edge technologies better. You will also learn about various current approaches to Edge computing with and without Kubernetes.

### Participants

**Speaker: Frédéric Desbiens** - IoT and Edge Program Manager, Eclipse Foundation

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

11:40am - 12:10pm  
Track 1 - Industrial IoT

- 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, Omdia

**Panelist: Steven Holdsworth** - Vice President, Strategic Initiatives, Crescent Electric Supply Company

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

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

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## Panel -Establishing a fully interoperable and standardized 5G landscape

11:40am - 12:10pm  
Track 2 - 5G & IoT Connectivity

- 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: Ali Syed Mohsin** - Senior Research Analyst - Industrial Communication & Edge Technology, Omdia

**Panelist: Chris Pearson** - President, 5G Americas

**Panelist: Pete Wilson** - Director, Channel Sales, Telefonica

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

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## Panel: Looking toward the High-Speed Future: Enhancing Connectivity and Business Opportunities with Edge

11:40am - 12:10pm  
Track 3 - Edge Computing & AI

- 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: Shrankhala Jain** - Data Scientist, Ford Motor Company

**Panelist: Brent Schroeder** - CTO, SUSE

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## Panel: The Internet of Open Source Things

11:40am - 12:10pm  
Track 4 - Developing IoT

It's quickly becoming commonplace for developers to factor open source into their deployment plans. This means the dominant IoT platforms in the market will either be open source or based on an open source core. Open source development lends itself to creating a diverse ecosystem of technology collaboration which can accelerate development time to market with greater efficiency. This panel will discuss and debate how both open source software and hardware will impact and evolve the current landscape

### Participants

**Moderator: Frédéric Desbiens** - IoT and Edge Program Manager, Eclipse Foundation

**Richard Barry** - Senior Principal Engineer, Amazon Web Services (AWS)

**Francesco Daddo** - IoT System Development Manager, STMicroelectronics

**Kate Stewart** - Senior Director of Strategic Programs, Linux Foundation

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## Thinaer Presentation

11:40am - 12:00pm  
Ecosystem Summit (Free Content)

### Participants

**Speaker: Bryan Merckling** - CEO and Founder, Thinaer

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## IIC Partner Workshop: Welcome Remarks and Introductions to IIC

12:00pm - 12:10pm  
Ecosystem Summit (Free Content)

### Participants

**Stephen Mellor** - CTO, Industrial Internet Consortium

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## Networking /Exhibition Visits/Scheduled Meetings

12:10pm - 1:00pm  
Track 1 - Industrial IoT

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Speakers AMA (Ask Me Anything!)

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## IIC Partner Workshop: Managing the Complexities of IoT

12:10pm - 12:55pm  
Ecosystem Summit (Free Content)

Much of the focus of IoT to date has been on relatively simple projects that generate a return relatively quickly. But more complex projects and more mission-critical projects can be more impactful in terms of process efficiency, value proposition, and industry transformation. In this presentation, Jim will present findings from the analysis of hundreds of IoT case studies, including analyses of different dimensions of complexity and market impact. He will explore two case studies in detail, highlighting how different profiles of complexity drive different profiles of skills required on solution design and implementation teams. Jim will include recommendations for how end users should best approach the opportunities presented by IoT.

### Participants

**Jim Morrish** - Founding Partner, Transforma Insights

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## IIC Partner Workshop: Next Generation of IoT Communication

12:55pm - 1:15pm  
Ecosystem Summit (Free Content)

IoT Communication, especially IIoT communication, is machine to machine communication, which is quite different from the human to human centric communication that the existing Internet was originally designed for. Privacy and security is one of the major concerns of IoT communication, as most of the communication will not be monitored or controlled by a human being. High precision services are very essential in some of the IIoT system where any interruption of the service will cause serious and non-affordable damages. And last but not least, the interoperability among various IIoT networks/systems remains a challenge. This presentation will contribute some initial thoughts and concepts trying to tackle the aforementioned challenges

### Participants

**Ulrich Graf** - Senior Engineer Industry 4.0 & Industrial IoT, Huawei Technologies

## Digital Transformation: Seizing a Culture of Innovation in Manufacturing Supply Chain

1:00pm - 1:20pm  
Track 1 - Industrial IoT

- 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

## Harnessing the power of LoRaWAN for deploying your LPWAN IoT applications

1:00pm - 1:20pm  
Track 2 - 5G & IoT Connectivity

- Choosing the right IoT connectivity for your application
- The importance of LPWAN and LoRaWAN, the de facto LPWAN standard
- Deployment considerations for IoT applications
- LoRaWAN deployment models and examples

### Participants

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

## Roundtable: 5G for Business - Stephanie Atkinson, CEO, Compass Intelligence

1:00pm - 1:45pm  
Track 3 - Edge Computing & AI

## IIC Partner Workshop: Autonomy Beyond the Car

1:15pm - 1:45pm  
Ecosystem Summit (Free Content)

Robocars will make life better and more efficient. But autonomous vehicles (AVs) that do everything drivers can do are still years or even decades away. And since operation with nobody in the car is critical for economic viability, we need a way to help the AV with "corner cases". The best way to enable AVs sooner is to use human operators to suggest strategies when the vehicle gets stuck. That requires vehicle fleets to have control rooms. This session will examine the potential and challenge of practical teleoperation, including combining assistance strategies, control-center design, cloud computing, and 5G connectivity. It will also consider the architecture required to connect in-vehicle control and remote oversight. These systems should not be designed independently. AVs need a consistent architecture for the vehicle, control center, and cloud.

### Participants

**Stan Schneider** - CEO, Real-Time Innovations (RTI)

## Sensors and Cloud Connected Solutions for Smart Industry

1:20pm - 1:40pm  
Track 1 - Industrial IoT

In this session we will discuss today's diverse sensing technologies and how they can be applied to condition monitoring in industrial predictive maintenance applications for early detection of potential failures. We will show how to connect advanced Industrial Sensors to a Predictive Maintenance Dashboard cloud application built with AWS services. The dashboard provides a highly functional and intuitive interface tailored for the collection, visualization, and analysis of condition monitoring data from motion and acoustic vibration sensing elements, as well as temperature and other environmental data.

### Participants

**Speaker: Ernesto Manuel Cantone** - IoT Marketing Manager, STMicroelectronics

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

1:20pm - 1:40pm  
Track 2 - 5G & IoT Connectivity

- 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 defence: understand how you can effectively apply

### Participants

**Michele Berionne** - Software Engineer, ETSI (Google)

## Advanced Sensors for Condition Monitoring in Smart Industry Applications

1:40pm - 2:00pm  
Track 1 - Industrial IoT

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

## The symbiotic relationship between edge computing and 5G

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

- A look at how 5G will enable edge computing technologies: how this will ultimately impact the Internet of Things?
- Utilise 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?

### Participants

**Neil Shah** - Partner & Research Director, Counterpoint Research

## Roundtable: Looking past COVID-19 for flexible and sustainable IoT Solutions

1:45pm - 2:30pm  
Track 3 - Edge Computing & AI

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## IIC Partner Workshop: Over-the-Air Silicon Updates for Programmable SoCs

1:45pm - 2:30pm  
Ecosystem Summit (Free Content)

Traditional Over the Air (OTA) updates are known for delivering updates to only the system software. This presentation will introduce a secure methodology to now also update the functionality of the system hardware via the Rollouts service from the Bosch IoT Suite and RTI software. Using Xilinx Adaptable technology in conjunction with a secure cloud-based system from Bosch.IO, hardware updates can be instantaneously provided via RTI's Connex Drive to all nodes in today's connected vehicle. Connex Drive provides the connectivity framework, proven in operation and working closely with industry-standard organizations, such as AUTOSAR and ROS, to develop automotive frameworks and platforms that leverage the DDS standard. The presentation will conclude with a demonstration of this OTA Silicon methodology.

### Participants

**Kai Hackbarth** - Evangelist, Bosch Software Innovations

**Stan Schneider** - CEO, Real-Time Innovations (RTI)

## Utilizing supply chain 4.0 to streamline and revitalize the manufacturing process

2:00pm - 2:30pm  
Track 1 - Industrial IoT

- 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

### Participants

**Panelist: Kunal Punjabi** - US Sector Head- Chemicals, Life Science & Healthcare, DHL

**Moderator: Lucian Fogoros** - Co-Founder and Managing Director, IIoT-World

**Panelist: Ed Chao** - CEO, Polte

**Panelist: Esteban Ibarra** - Vice President, Business Development, KORE

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

2:00pm - 2:30pm  
Track 2 - 5G & IoT Connectivity

- 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

**Moderator: John Canali** - Principal Senior Analyst, IoT, Omdia

**Panelist: Chris Pearson** - President, 5G Americas

**Panelist: Jim Misener** - 5G Automotive Association Board of Directors, 5GAA

**Panelist: Alex Gajano** - General Manager - Americas Region, SIMCom

## Afternoon Networking/Exhibition Visits/ Scheduled Meetings

2:30pm - 3:00pm  
Track 1 - Industrial IoT

## Afternoon Networking/Exhibition Visits/ Scheduled Meetings

2:30pm - 3:00pm  
Track 2 - 5G & IoT Connectivity

## Afternoon Networking/Exhibition Visits/ Scheduled Meetings

2:30pm - 3:00pm  
Track 3 - Edge Computing & AI

## Afternoon Networking/Exhibition Visits/ Scheduled Meetings

2:30pm - 3:00pm  
Track 4 - Developing IoT

## Speaker AMA Room Open!

2:30pm - 3:00pm  
Speakers AMA (Ask Me Anything!)

## IIC Partner Workshop: Mitigating Wildfire Risk with Edge Computing and Energy Adaptive Networks

2:30pm - 3:05pm  
Ecosystem Summit (Free Content)

Recent wildfires in Australia and California have recharged the debate about fire management, terrestrial ecosystem complexity and dynamical control in the wake of irreversible climate change. With a widening gap between utilities locked in aging, proprietary ecosystems, unable to deploy modern technologies based on shared, trusted, open systems, several IoT opportunities emerge. Energy adaptive networks OpenOPF (Optimal Power Flow), is a first step towards a series of new IoT technologies targeted at solving robustness trade-offs in the wake of catastrophic disasters that could be prevented at scale

### Participants

**Michael Enescu** - Founding CEO and Technology Evangelist, Energy Adaptive Networks

## How AI Makes Us More Human

3:00pm - 3:20pm  
Track 1 - Industrial IoT

- Robotics and AI revolutionizing the payment and banking industry, improving processes and efficiency

### Participants

**Speaker: Jeremy Balkin** - Head of Innovation, HSBC

## How AI Makes Us More Human

3:00pm - 3:20pm  
Track 2 - 5G & IoT Connectivity

- Robotics and AI revolutionizing the payment and banking industry, improving processes and efficiency

### Participants

**Speaker: Jeremy Balkin** - Head of Innovation, HSBC

## How AI Makes Us More Human

3:00pm - 3:20pm  
Track 3 - Edge Computing & AI

- Robotics and AI revolutionizing the payment and banking industry, improving processes and efficiency

### Participants

**Speaker: Jeremy Balkin** - Head of Innovation, HSBC

# SESSIONS

DAY ONE: TUESDAY AUGUST 11, 2020 - 11/08/2020

IoT World Virtual Conference & Expo 2020

Virtual Event  
August 11 - 13, 2020  
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## How AI Makes Us More Human

3:00pm - 3:20pm  
Track 4 - Developing IoT

- Robotics and AI revolutionizing the payment and banking industry, improving processes and efficiency

### Participants

**Speaker: Jeremy Balkin** - Head of Innovation, HSBC

## IIC Partner Workshop: How to Successfully Navigate Security Guidelines Worldwide

3:05pm - 3:25pm  
Ecosystem Summit (Free Content)

With each hack the security concerns surrounding IoT intensify. This has caused governmental institutions to act and provide IoT security guidelines and regulations to better protect their region. With many regulations and security standards being established it can be a challenge to decipher each standard to ensure worldwide compliance. In this talk we will discuss the evolution of government standards and how a standardized set of security requirements can speed time-to-security and protect devices and services that depend on their data. We'll touch on the PSA Certified program, which includes a framework for securing devices and an accompanying multi-level security assurance scheme. The scheme has a concise set of security questions combined with lab evaluation, that builds on years of investment in IoT security and neatly aligns with new guidelines and regulations. This allows device manufacturers to ensure IoT security best practice, covering the needs of multiple regions and successfully unlocking the ability to enhance businesses models with trusted data.

### Participants

**Jim Carver** - Senior Manager Business Development, PSA Certified, Arm

## Keynote Presentation: Towards Sustainable Connected Mobility

3:20pm - 3:40pm  
Track 1 - Industrial IoT

- Making decisions within the organization to ensure safety and satisfaction for the customer
- Maintaining eco-friendly ways and also helping the economy long-term

### Participants

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

## Keynote Presentation: Towards Sustainable Connected Mobility

3:20pm - 3:40pm  
Track 2 - 5G & IoT Connectivity

- Making decisions within the organization to ensure safety and satisfaction for the customer
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## Keynote Presentation: Towards Sustainable Connected Mobility

3:20pm - 3:40pm  
Track 4 - Developing IoT

- Making decisions within the organization to ensure safety and satisfaction for the customer
- Maintaining eco-friendly ways and also helping the economy long-term

### Participants

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

## IIC Partner Workshop: How to Secure the Internet of Things (IoT) with Blockchain

3:25pm - 3:45pm  
Ecosystem Summit (Free Content)

Internet of Things (IoT) and blockchain are two technologies that are gaining popularity since their creation. While the IoT is transforming business processes and consumer behaviors, blockchain promises a number of salient features, such as decentralization, immutability, transparency, etc., which have great potential for tackling the security challenges faced by the IoT systems. This presentation will first talk about the IoT security challenges and the key features provided by blockchain, followed by the description of the blockchain reference architecture (<https://www.trusted-iot.org/businesses>) developed by Trusted IoT Alliance (TloTA). With the reference architecture in place, the focus will shift to integration of blockchain technologies into the IoT data lifecycle and discuss how to enhance its security with blockchain. The presentation will wrap up by identifying some challenges when merging the IoT and blockchain.

### Participants

**Xinxin Fan** - Head of Cryptography, IoTeX

## Accelerating the Cutting Edge of Industries with Big Data and Analytics

3:40pm - 4:00pm  
Track 1 - Industrial IoT

- The emergence of big data analytics becoming key to analyzing IoT generated data from "connected devices"
- Helping to take the initiative to improve decision making within businesses
- The role of big data in IoT: processing a large amount of data on a real-time basis and storing them using different storage technologies to increase efficiency

## Accelerating the Cutting Edge of Industries with Big Data and Analytics

3:40pm - 4:00pm  
Track 2 - 5G & IoT Connectivity

- The emergence of big data analytics becoming key to analyzing IoT generated data from "connected devices"
- Helping to take the initiative to improve decision making within businesses
- The role of big data in IoT: processing a large amount of data on a real-time basis and storing them using different storage technologies to increase efficiency



# SESSIONS

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## Accelerating the Cutting Edge of Industries with Big Data and Analytics

3:40pm - 4:00pm

Track 3 - Edge Computing & AI

- The emergence of big data analytics becoming key to analyzing IoT generated data from "connected devices"
- Helping to take the initiative to improve decision making within businesses
- The role of big data in IoT: processing a large amount of data on a real-time basis and storing them using different storage technologies to increase efficiency

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## Accelerating the Cutting Edge of Industries with Big Data and Analytics

3:40pm - 4:00pm

Track 4 - Developing IoT

- The emergence of big data analytics becoming key to analyzing IoT generated data from "connected devices"
- Helping to take the initiative to improve decision making within businesses
- The role of big data in IoT: processing a large amount of data on a real-time basis and storing them using different storage technologies to increase efficiency

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## Networking Happy Hour

4:00pm - 5:00pm

Track 1 - Industrial IoT

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## Networking Happy Hour

4:00pm - 5:00pm

Track 2 - 5G & IoT Connectivity

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## Networking Happy Hour

4:00pm - 5:00pm

Track 3 - Edge Computing & AI

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## Networking Happy Hour

4:00pm - 5:00pm

Track 4 - Developing IoT

# SCHEDULE

DAY ONE: TUESDAY AUGUST 11, 2020 - 11/08/2020

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<b>8:00AM</b>	<p><b>8:30am</b> - Welcome to IoT World Virtual Remarks by Zach Butler</p> <p><b>8:40am</b> - IoT Market Updates and Forecast presented by Omdia</p>	<p><b>8:30am</b> - Welcome to IoT World Virtual Remarks by Zach Butler</p> <p><b>8:40am</b> - IoT Market Updates and Forecast presented by Omdia</p>	<p><b>8:30am</b> - Welcome to IoT World Virtual Remarks by Zach Butler</p> <p><b>8:40am</b> - IoT Market Updates and Forecast presented by Omdia</p>	<p><b>8:30am</b> - Welcome to IoT World Virtual Remarks by Zach Butler</p> <p><b>8:40am</b> - IoT Market Updates and Forecast presented by Omdia</p>	<p><b>8:30am</b> - Welcome to IoT World Virtual Remarks by Zach Butler</p> <p><b>8:40am</b> - IoT Market Updates and Forecast presented by Omdia</p>	<p><b>8:30am</b> - Welcome to IoT World Virtual Remarks by Zach Butler</p> <p><b>8:40am</b> - IoT Market Updates and Forecast presented by Omdia</p>
<b>9:00AM</b>	<p><b>9:00am</b> - Unlocking IoT's Full Potential</p> <p><b>9:20am</b> - Selling IoT and How to Make Money in IoT</p> <p><b>9:40am</b> - Global IoT Connectivity: LPWAN to 5G</p>	<p><b>9:00am</b> - Unlocking IoT's Full Potential</p> <p><b>9:20am</b> - Digital as an Enabler to Customer Success</p> <p><b>9:40am</b> - Keynote Panel Discussion: Reshaping Technology and Business - How Businesses in IoT are Adapting to the New Normal</p>	<p><b>9:00am</b> - Unlocking IoT's Full Potential</p> <p><b>9:20am</b> - Digital as an Enabler to Customer Success</p> <p><b>9:40am</b> - Keynote Panel Discussion: Reshaping Technology and Business - How Businesses in IoT are Adapting to the New Normal</p>	<p><b>9:00am</b> - Unlocking IoT's Full Potential</p> <p><b>9:20am</b> - Digital as an Enabler to Customer Success</p> <p><b>9:40am</b> - Keynote Panel Discussion: Reshaping Technology and Business - How Businesses in IoT are Adapting to the New Normal</p>	<p><b>9:00am</b> - Unlocking IoT's Full Potential</p> <p><b>9:20am</b> - Digital as an Enabler to Customer Success</p> <p><b>9:40am</b> - Keynote Panel Discussion: Reshaping Technology and Business - How Businesses in IoT are Adapting to the New Normal</p>	<p><b>9:00am</b> - Unlocking IoT's Full Potential</p> <p><b>9:20am</b> - Digital as an Enabler to Customer Success</p> <p><b>9:40am</b> - Keynote Panel Discussion: Reshaping Technology and Business - How Businesses in IoT are Adapting to the New Normal</p>
<b>10:00AM</b>	<p><b>10:00am</b> - IoT Leader of the Year Shortlist Fireside Chat 3</p> <p><b>10:20am</b> - Panel Discussion: How IoT is Tackling COVID-19</p> <p><b>10:50am</b> - Expo Times/Meetings</p>	<p><b>10:10am</b> - Speaker AMA Room Open!</p>	<p><b>10:10am</b> - Networking and Meetings Time</p> <p><b>10:40am</b> - Becoming a Smart Factory on Wheels: How Highly Automated and IoT-Connected Vehicles are Enabling Farmers to Improve Productivity</p>	<p><b>10:10am</b> - Networking and Meetings Time</p> <p><b>10:40am</b> - Ultra-reliable, low latency applications (URLLC)</p>	<p><b>10:10am</b> - Networking and Meetings Time</p> <p><b>10:40am</b> - Securing IoT and Edge the Cyber Security Way</p>	<p><b>10:10am</b> - Networking and Meetings Time</p> <p><b>10:40am</b> - The No-code Approach to Data Management and Intelligence at the Edge</p>

# SCHEDULE

DAY ONE: TUESDAY AUGUST 11, 2020 - 11/08/2020

IoT World Virtual Conference & Expo 2020

Virtual Event  
August 11 - 13, 2020  
8:30 am - 5:30 pm PT

TIME	ECOSYSTEM SUMMIT (FREE CONTENT)	SPEAKERS AMA (ASK ME ANYTHING!)	TRACK 1 - INDUSTRIAL IOT	TRACK 2 - 5G & IOT CONNECTIVITY	TRACK 3 - EDGE COMPUTING & AI	TRACK 4 - DEVELOPING IOT
<b>11:00AM</b>	<p><b>11:10am</b> - Panel Discussion: Virtual teaching (theory and Lab) during the COVID-19 Pandemic</p> <p><b>11:40am</b> - Thinaer Presentation</p>		<p><b>11:00am</b> - How to Make Sense of Data to Create a Seamless Interconnected System in your Workplace</p> <p><b>11:20am</b> - Learnings on How To Realize Scalable IIoT Value</p> <p><b>11:40am</b> - Panel: Smart Manufacturing as a Driver for Business Outcomes – Investing in Industry 4.0</p>	<p><b>11:00am</b> - EnerCera series: Innovation in IoT device power supply</p> <p><b>11:20am</b> - How IoT Has Reshaped the Need for Greater Broadband Capacity and Security</p> <p><b>11:40am</b> - Panel -Establishing a fully interoperable and standardized 5G landscape</p>	<p><b>11:00am</b> - Edge Computing Delivers ROI in Process Manufacturing</p> <p><b>11:20am</b> - Squeezing Down to the Edge: Doing More with Less</p> <p><b>11:40am</b> - Panel: Looking toward the High-Speed Future: Enhancing Connectivity and Business Opportunities with Edge</p>	<p><b>11:00am</b> - Safety and Security, Two Must-Haves for a Robust Product Life</p> <p><b>11:20am</b> - What Edge Computing Can Learn from the Moon Landings</p> <p><b>11:40am</b> - Panel: The Internet of Open Source Things</p>
<b>12:00PM</b>	<p><b>12:00pm</b> - IIC Partner Workshop: Welcome Remarks and Introductions to IIC</p> <p><b>12:10pm</b> - IIC Partner Workshop: Managing the Complexities of IoT</p> <p><b>12:55pm</b> - IIC Partner Workshop: Next Generation of IoT Communication</p>	<b>12:10pm</b> - Speaker AMA Room Open!	<b>12:10pm</b> - Networking /Exhibition Visits/Scheduled Meetings	<b>12:10pm</b> - Networking /Exhibition Visits/Scheduled Meetings	<b>12:10pm</b> - Networking /Exhibition Visits/Scheduled Meetings	<b>12:10pm</b> - Networking /Exhibition Visits/Scheduled Meetings
<b>1:00PM</b>	<p><b>1:15pm</b> - IIC Partner Workshop: Autonomy Beyond the Car</p> <p><b>1:45pm</b> - IIC Partner Workshop: Over-the-Air Silicon Updates for Programmable SoCs</p>		<p><b>1:00pm</b> - Digital Transformation: Seizing a Culture of Innovation in Manufacturing Supply Chain</p> <p><b>1:20pm</b> - Sensors and Cloud Connected Solutions for Smart Industry</p> <p><b>1:40pm</b> - Advanced Sensors for Condition Monitoring in Smart Industry Applications</p>	<p><b>1:00pm</b> - Harnessing the power of LoRaWAN for deploying your LPWAN IoT applications</p> <p><b>1:20pm</b> - Build an armored 5G network with enhanced end-to-end security measures</p> <p><b>1:40pm</b> - The symbiotic relationship between edge computing and 5G</p>	<p><b>1:00pm</b> - Roundtable: 5G for Business - Stephanie Atkinson, CEO, Compass Intelligence</p> <p><b>1:45pm</b> - Roundtable: Looking past COVID-19 for flexible and sustainable IoT Solutions</p>	

# SCHEDULE

DAY ONE: TUESDAY AUGUST 11, 2020 - 11/08/2020

IoT World Virtual Conference & Expo 2020

**Virtual Event**  
August 11 - 13, 2020  
8:30 am - 5:30 pm PT

TIME	ECOSYSTEM SUMMIT (FREE CONTENT)	SPEAKERS AMA (ASK ME ANYTHING!)	TRACK 1 - INDUSTRIAL IOT	TRACK 2 - 5G & IOT CONNECTIVITY	TRACK 3 - EDGE COMPUTING & AI	TRACK 4 - DEVELOPING IOT AI
<b>2:00PM</b>	<b>2:30pm</b> - IIC Partner Workshop: Mitigating Wildfire Risk with Edge Computing and Energy Adaptive Networks	<b>2:30pm</b> - Speaker AMA Room Open!	<b>2:00pm</b> - Utilizing supply chain 4.0 to streamline and revitalize the manufacturing process  <b>2:30pm</b> - Afternoon Networking/Exhibition Visits/Scheduled Meetings	<b>2:00pm</b> - Panel - Set the automotive industry in motion with 5G and vehicle-to-everything (V2X)  <b>2:30pm</b> - Afternoon Networking/Exhibition Visits/Scheduled Meetings	<b>2:30pm</b> - Afternoon Networking/Exhibition Visits/Scheduled Meetings	<b>2:30pm</b> - Afternoon Networking/Exhibition Visits/Scheduled Meetings
<b>3:00PM</b>	<b>3:05pm</b> - IIC Partner Workshop: How to Successfully Navigate Security Guidelines Worldwide  <b>3:25pm</b> - IIC Partner Workshop: How to Secure the Internet of Things (IoT) with Blockchain		<b>3:00pm</b> - How AI Makes Us More Human  <b>3:20pm</b> - Keynote Presentation: Towards Sustainable Connected Mobility  <b>3:40pm</b> - Accelerating the Cutting Edge of Industries with Big Data and Analytics	<b>3:00pm</b> - How AI Makes Us More Human  <b>3:20pm</b> - Keynote Presentation: Towards Sustainable Connected Mobility  <b>3:40pm</b> - Accelerating the Cutting Edge of Industries with Big Data and Analytics	<b>3:00pm</b> - How AI Makes Us More Human  <b>3:20pm</b> - Keynote Presentation: Towards Sustainable Connected Mobility  <b>3:40pm</b> - Accelerating the Cutting Edge of Industries with Big Data and Analytics	<b>3:00pm</b> - How AI Makes Us More Human  <b>3:20pm</b> - Keynote Presentation: Towards Sustainable Connected Mobility  <b>3:40pm</b> - Accelerating the Cutting Edge of Industries with Big Data and Analytics
<b>4:00PM</b>			<b>4:00pm</b> - Networking Happy Hour	<b>4:00pm</b> - Networking Happy Hour	<b>4:00pm</b> - Networking Happy Hour	<b>4:00pm</b> - Networking Happy Hour

# SESSIONS

DAY TWO: WEDNESDAY AUGUST 12, 2020 - 12/08/2020

IoT World Virtual Conference & Expo 2020

Virtual Event  
August 11 - 13, 2020  
8:30 am - 5:30 pm PT

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## Day Two Opening Remarks

8:30am - 8:40am  
Track 1 - IoT Security

### Participants

**Speaker: Robert Schmid** - Chief Futurist aka Mr. IoT, Deloitte Consulting LLP

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## Day Two Opening Remarks

8:30am - 8:40am  
Track 2 - Smart Environments

### Participants

**Speaker: Robert Schmid** - Chief Futurist aka Mr. IoT, Deloitte Consulting LLP

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## Day Two Opening Remarks

8:30am - 8:40am  
Track 3 - Business Resiliency

### Participants

**Speaker: Robert Schmid** - Chief Futurist aka Mr. IoT, Deloitte Consulting LLP

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## Day Two Opening Remarks

8:30am - 8:40am  
Track 4 - Smart Mobility

### Participants

**Speaker: Robert Schmid** - Chief Futurist aka Mr. IoT, Deloitte Consulting LLP

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

8:40am - 9:00am  
Track 1 - IoT Security

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

8:40am - 9:00am  
Track 2 - Smart Environments

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

8:40am - 9:00am  
Track 3 - Business Resiliency

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

8:40am - 9:00am  
Track 4 - Smart Mobility

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## IoT + AI = Digital Transformation?

9:00am - 9:20am  
Track 1 - IoT Security

### Participants

**Speaker: Manohar Paluri** - Director, Facebook AI, Facebook

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## IoT + AI = Digital Transformation?

9:00am - 9:20am  
Track 2 - Smart Environments

### Participants

**Speaker: Manohar Paluri** - Director, Facebook AI, Facebook

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## IoT + AI = Digital Transformation?

9:00am - 9:20am  
Track 3 - Business Resiliency

### Participants

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## IoT + AI = Digital Transformation?

9:00am - 9:20am  
Track 4 - Smart Mobility

### Participants

**Speaker: Manohar Paluri** - Director, Facebook AI, Facebook

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## The uses of photo realistic 3D digital twins in industrial IoT

9:00am - 9:20am  
Ecosystem Summit (Free Content)

- Using digital twins as a way to fast prototype
- Using digital twins to monitor real time sensor data
- Using digital twins to perform remote control and maintenance
- Using digital twins as a reporting tool
- Using digital twins to simulate different scenarios

### Participants

**Speaker: John Burton** - CEO, UrsaLeo

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

9:20am - 9:40am  
Track 1 - IoT Security

- Digital solutions providing support to enhance productivity
- Implementing new technologies, thereby boosting efficiency and providing companies with real time results

### Participants

**Speaker: Steve Carlini** - Vice President of Innovation and Data Center, Schneider Electric

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

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Virtual Event  
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## Startup Elevate Pitchoff: 3Egreen

9:20am - 9:25am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: aidmics

9:25am - 9:30am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: Carkit AI inc

9:30am - 9:35am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: Cartesiam

9:35am - 9:40am  
Ecosystem Summit (Free Content)

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

9:40am - 10:10am  
Track 1 - IoT Security

- Using emerging technologies for business continuity during uncertain times
- Shift from cloud to edge
- Market trends & what we're seeing
- What we're excited about in the future of IoT

### Participants

**Moderator: Sam Lucero** - Associate Director, IoT, Omdia

**Panelist: Teresa Tung** - Managing Director, Accenture

**Panelist: Ashwani Dev** - Digital and Data Science Officer, Halliburton

**Panelist: Jonathan Weiss** - Vice President, Emerging Technologies, Software AG

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**Moderator: Sam Lucero** - Associate Director, IoT, Omdia

**Panelist: Teresa Tung** - Managing Director, Accenture

**Panelist: Ashwani Dev** - Digital and Data Science Officer, Halliburton

**Panelist: Jonathan Weiss** - Vice President, Emerging Technologies, Software AG

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## Startup Elevate Pitchoff: CoolSo Inc

9:40am - 9:45am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: Corporate Central

9:45am - 9:50am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: DeCloak Intelligences Co

9:50am - 9:55am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: DeepMentor Inc

9:55am - 10:00am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: FaceHeart

10:00am - 10:05am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: Giftpack Taiwan Inc

10:05am - 10:10am  
Ecosystem Summit (Free Content)

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## Networking /Exhibition Visits/Scheduled Meetings

10:10am - 10:40am  
Track 1 - IoT Security

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## Networking /Exhibition Visits/Scheduled Meetings

10:10am - 10:40am  
Track 2 - Smart Environments

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## Networking /Exhibition Visits/Scheduled Meetings

10:10am - 10:40am  
Track 3 - Business Resiliency

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## Networking /Exhibition Visits/Scheduled Meetings

10:10am - 10:40am  
Track 4 - Smart Mobility

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## Speaker AMA Room Open!

10:10am - 10:40am  
Speakers AMA (Ask Me Anything!)

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## Startup Elevate Pitchoff: HackMD Inc

10:10am - 10:15am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: ioNetworks Inc

10:15am - 10:20am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: ITM

10:20am - 10:25am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: Jeeva Wireless

10:25am - 10:30am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: KiWi New Energy Inc

10:30am - 10:35am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: Leading North Advisors

10:35am - 10:40am  
Ecosystem Summit (Free Content)

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## The importance of understanding why Cybersecurity is different from IT Security

10:40am - 11:00am  
Track 1 - IoT Security

- 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?

### Participants

**Speaker: Jeffrey Chavis** - Chief Engineer (AOS / AQ Branch), Johns Hopkins University Applied Physics Laboratory

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

10:40am - 11:00am  
Track 2 - Smart Environments

- 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

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## Utilizing the cloud for business continuity from security to flexibility

10:40am - 11:00am  
Track 3 - Business Resiliency

### Participants

**Jeroen Leverman** - IT Technology Director, NextEra Energy Resources

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## Confluence between the smart city and connected vehicle – what can be implemented in any community, town and city?

10:40am - 11:00am  
Track 4 - Smart Mobility

- 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.

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## Startup Elevate Pitchoff: LearningPal

10:40am - 10:45am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: Lockists Co Ltd

10:45am - 10:50am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: LUDO

10:50am - 10:55am  
Ecosystem Summit (Free Content)

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## Startup Elevate Pitchoff: Mata Inventive

10:55am - 11:00am  
Ecosystem Summit (Free Content)

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## Securing IoT Devices by Design

11:00am - 11:20am  
Track 1 - IoT Security

The question every IoT stakeholder should be asking is: can I trust the data that I get from my IoT devices? After all, organizations only invest in IoT because they believe the additional data will lead to better decisions, improved productivity, or increased profits. Given this context, IoT security is a risky topic to neglect. Ultimately, the level of trust you obtain is down to the security work you do upfront.

### Participants

**Speaker: Duncan Jones** - Senior Product Manager, Arm

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## Low-Power Wireless connectivity for smart environment

11:00am - 11:20am  
Track 2 - Smart Environments

With smart environment applications requiring the need for wireless communication, the need for low power is essential. Learn about how Bluetooth, 802.15.4 and SubGHz are used in low power wireless connectivity for smart environment applications. Explore their advantages for each technology based for use in mesh and point to point applications.

### Participants

**Speaker: Colin Ramrattan** - NA East Coast Staff System Solution Marketing Engineer, STMicroelectronics

## Leveraging US government investments to conduct applied R&D

11:00am - 11:20am  
Track 3 - Business Resiliency

How companies and universities can partner with the US National Science foundation to advance R&D, especially given the challenges and shortages generated by the COVID-19 pandemic

### Participants

**Speaker: Danny Dig** - Associate Professor of Computer Science, University of Colorado

## Content in the connected car: Ecosystems, control, and revenue?

11:00am - 11:20am  
Track 4 - Smart Mobility

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

## Startup Elevate Pitchoff: Moldintel

11:00am - 11:05am  
Ecosystem Summit (Free Content)

## Startup Elevate Pitchoff: Nivid Technologies

11:05am - 11:10am  
Ecosystem Summit (Free Content)

## Startup Elevate Pitchoff: Outfit Rental

11:10am - 11:15am  
Ecosystem Summit (Free Content)

## Startup Elevate Pitchoff: Polymorph Systems

11:15am - 11:20am  
Ecosystem Summit (Free Content)

## Real cyber threats and best practices in smart manufacturing

11:20am - 11:40am  
Track 1 - IoT Security

### Participants

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

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

11:20am - 11:40am  
Track 2 - Smart Environments

- 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

## Support safety measures in the plant against COVID-19: How are technologies like cobots being used for social distancing?

11:20am - 11:40am  
Track 3 - Business Resiliency

### Participants

**Fabian Schmahl** - President & CEO, thyssenkrupp Bilstein of America, Inc.

## Telematics and the autonomous vehicle: Where are we now and what's coming next?

11:20am - 11:40am  
Track 4 - Smart Mobility

### Participants

**Bich-Thuy Le** - Director of Data Science and Machine Learning Engineering, AllState Insurance

## Startup Elevate Pitchoff: The Preferred Prepaid Inc, Xyzies

11:20am - 11:25am  
Ecosystem Summit (Free Content)

## Startup Elevate Pitchoff: Singular Wings Medical

11:25am - 11:30am  
Ecosystem Summit (Free Content)

## Startup Elevate Pitchoff: Sounds Great Co Ltd

11:30am - 11:35am  
Ecosystem Summit (Free Content)

## Startup Elevate Pitchoff: SunJet-robotics

11:35am - 11:40am  
Ecosystem Summit (Free Content)

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

11:40am - 12:10pm  
Track 1 - IoT Security

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 organization to solve the issue.

### Participants

**Moderator: Tanner Johnson** - Senior Cybersecurity Analyst, Omdia

**Panelist: Tina Gravel** - SVP, Appgate

**Panelist: Greg Proehl** - Senior Product Marketing Engineer, STMicroelectronics



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

11:40am - 12:10pm  
Track 2 - Smart Environments

- "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 Soncidi** - Director, IoT Technology & Technical Architect, Telecommunications Industry Association (TIA)

**Panelist: Mariel Devesa** - Global Head of Business Development, Phyn

## Panel - Future-proof business models to bring collaboration and tech to the fore

11:40am - 12:10pm  
Track 3 - Business Resiliency

- A look at how businesses are having to completely reshape traditional business models and structures in order to cope with the "new normal"
- No one can thrive alone: Utilising collaboration both internally and externally to overcome COVID challenges
- Exploring the tech being harnessed in order to make this transition easier, going beyond the "why" and into the "how"

### Participants

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

**Panelist: Eric Helin** - Senior Manager, Innovation, Exelon

**Panelist: Jeroen Leverman** - IT Technology Director, NextEra Energy Resources

**Panelist: Greg Mischou** - Managing Director, Technology Investment Banking, Atlas Technology Group

## Panel - New Tech Entrants: Opportunity for cross-industry partnerships or competition in the development of the connected car services

11:40am - 12:10pm  
Track 4 - Smart Mobility

- 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 involves 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: John Canali** - Principal Senior Analyst, IoT, Omdia

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

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

**Panelist: Dennis Kengo Oka** - Applications Engineer, Synopsys

## Startup Elevate Pitchoff: Thunderzee Ind

11:40am - 11:45am  
Ecosystem Summit (Free Content)

## Startup Elevate Pitchoff: XMIGHT Corp

11:45am - 11:50am  
Ecosystem Summit (Free Content)

## Startup Elevate Pitchoff: Yo-Kai Express Inc

11:50am - 11:55am  
Ecosystem Summit (Free Content)

## Investor and Judges Pitchoff Feedback Session

11:55am - 12:30pm  
Ecosystem Summit (Free Content)

### Participants

**Judge: Greg Mischou** - Managing Director, Technology Investment Banking, Atlas Technology Group

**Judge: Ha Nguyen** - Vice President, McRock Capital

**Judge: John Wong** - Director, Ventures, Honeywell

**Judge: Chad Bailey** - Associate, Nokia Growth Partners

**Judge: Sanjit Dang** - Chairman and Co-Founder, U First Capital

**Judge: Safa Rashtchy** - Managing Director, Think + Ventures

**Judge: Amar Senan** - Managing Director, Woodside Capital Partners

**Judge: Deepak Sharma** - CEO, Anjay Venture Partners

**Judge: Ben Steven** - Associate Partner, Momenta Ventures

**Judge: Adam Tilow** - Managing Director, Technology Investment Banking, Atlas Technology Group

**Judge: Arthur Mrozowski** - Managing Partner, Silicon Hill Ventures, LLC

**Judge: Simon Lee** - Managing Director, Sapience Capital Partners

**Judge: Jordan Wahbeh** - Managing Director, Bay Angels

**Judge: Ankur Saxena** - Manager, Cisco Investments

**Judge: Arun Ramamoorthy** - General Partner, Pinnacle Ventures

**Judge: Jeff Peters** - Partner, Autotech Ventures

**Judge: Mitra Broomand** - Associate, Autotech Ventures

**Judge: Khodor Kamarieh** - Senior Analyst Venture Development, Deutsche Bahn AG

**Judge: Gary Griffiths** - Co-Founder & Managing Director, Wisdom LLP

**Judge: Smitashree Menon** - Founder & CEO, theboardIQ

**Judge: Neda Blocho** - Investor & Head of Studios Program, Avanta Ventures

**Judge: Dennis Chang** - Investor, UL Ventures

**Judge: Babu Jain** - Partner, Venture Fund Corp

**Judge: Sudhir Kadam** - Venture Partner, FYDA Growth Partners

**Judge: Stephen Bernardez** - Partner, Avanta Ventures

**Judge: Jonathan Burbaum** - Venture Partner, Genoa Ventures

**Judge: Ekta Dang** - CEO & Founder, U First Capital

**Judge: Greg Hoffman** - External Innovation Program Manager, DuPont Ventures

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## Scheduled Meetings/Speed Networking/ Exhibition Visits

12:10pm - 1:30pm  
Track 1 - IoT Security

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## Scheduled Meetings/Speed Networking/ Exhibition Visits

12:10pm - 1:30pm  
Track 2 - Smart Environments

---

## Scheduled Meetings/Speed Networking/ Exhibition Visits

12:10pm - 1:30pm  
Track 3 - Business Resiliency

---

## Scheduled Meetings/Speed Networking/ Exhibition Visits

12:10pm - 1:30pm  
Track 4 - Smart Mobility

---

## Scheduled Meetings/Speed Networking/ Exhibition Visits

12:10pm - 1:30pm  
Speakers AMA (Ask Me Anything!)

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## Partner Workshop: Eclipse IoT and Eclipse Edge Native: Making Sense of the Puzzle

12:30pm - 1:00pm  
Ecosystem Summit (Free Content)

There are now 43 projects in the Eclipse IoT portfolio. Some of them are well known; some of them are more obscure. Together, they probably are the most exhaustive toolkit of its kind in the industry. However, with that many projects, it is sometimes difficult to figure out which one to pick for a specific use case. On the top of that, the Eclipse Foundation launched its Edge Native working group in December 2019, and its Sparkplug working group in February 2020.

The aim of this presentation is to help you understand the vision between the Eclipse IoT, Edge Native and Sparkplug working groups. You will also learn how you can leverage the most popular projects in the Eclipse IoT portfolio.

### Participants

**Frédéric Desbiens** - IoT and Edge Program Manager, Eclipse Foundation

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## The zenoh protocol: Zero Overhead Pub/sub, Store/Query and Compute

1:00pm - 2:00pm  
Ecosystem Summit (Free Content)

Eclipse zenoh is a brand new project at the Eclipse Foundation. zenoh is a protocol that has been designed to address the needs of applications that need to deal with data in movement, data at rest and computation in a scalable, efficient and location transparent data manner. zenoh unifies data in motion, data in-use, data at rest and computations. It carefully blends traditional pub/sub with geo-distributed storages, queries and computations, while retaining a level of time and space efficiency that is well beyond any of the mainstream stacks. In this presentation, you will learn about the zenoh protocol and how you can leverage it in the context of Edge Computing.

### Participants

**Angelo Corsaro** - Chief Technology Officer, ADLINK Technology Inc

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## Innovations in secure connectivity for IoT: True Zero-Trust Technology

1:30pm - 1:50pm  
Track 1 - IoT Security

- Reimagining cyber security for connected 'things' (IoT)
- Not buying into the 'Cartel' messaging: build complexity, pay more = more security, the 40-year-old way is the right way
- We are entering a new technology phase: We can redefine our future.
- The old way is visibility is security. That was effective 20-30 years ago, but no one knew the level off connectivity and security needed.
- We envisioned a new way. As more things become connected and new technology was needed. That's why we needed to stop and develop a new security protocol – to innovate.
- Join this session to learn about a new protocol that can make networks invisible. Microsegment, grant remote access, and secure IoT and IIoT at scale.

We want you to:

- Be able to sleep at night and have piece of mind.
  - Be an IT hero to your organization.
- 

## Empowering sustainable cities with Smart Grid modernization

1:30pm - 1:50pm  
Track 2 - Smart Environments

### Participants

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

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## PANEL: Securing IoT Networks for the Homeland Security Mission

1:50pm - 2:20pm  
Track 1 - IoT Security

As IoT deployments rise, DHS faces new challenges for securing our connected and smart communities. Hear how the Department of Homeland Security (DHS), Silicon Valley Innovation Program (SVIP) is reshaping how government and industry work together to enhance security and resilience for security operations nationwide. This conversation will highlight how SVIP is making impacts by partnering with the startup community to co-invest and accelerate technology transition to market.

### Participants

**Moderator: Melissa Oh** - Managing Director, Silicon Valley Innovation Program, DHS S&T

**Panelist: Lei Wang** - Principal Software Engineer, Cryptomove, Inc.

**Panelist: Jord Tanner** - Chief Technical Officer, Plurilock Security

**Panelist: Jonathan Butts, PhD** - Co-Founder, QED Secure Solutions

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## PANEL: Meeting the IoT challenge: Partnering across city agencies, transportation, utilities, emergency response and private companies

1:50pm - 2:20pm  
Track 2 - Smart Environments

The capability of IoT technology (across hardware, connectivity, software and analytics) keeps marching on, but what are the challenges involved in bringing real projects to the market – especially in partnering between public/private organisations? What are the key applications, focus areas or outcomes that will drive the next round of investment (especially in a post-COVID world)? And what can we learn from existing projects in terms of technical and non-technical challenges or best practise?

### Participants

**Moderator: David Green** - Research Manager - Wireless Power & Smart Utilities Infrastructure, Omdia

**Panelist: Paul Hoekstra** - Smart Technology and Networked Infrastructure, San Francisco Municipal Transportation Agency

**Panelist: Albert Gauthier** - Chief Technology Officer, City of Rochester

**Panelist: Sara Brown** - Vice President of Marketing, MultiTech

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## Afternoon Networking/Exhibition Visits/ Scheduled Meetings

1:50pm - 2:45pm  
Track 3 - Business Resiliency

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## Afternoon Networking/Exhibition Visits/ Scheduled Meetings

1:50pm - 2:45pm  
Track 4 - Smart Mobility

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### MQTT Sparkplug has launched! Now what?

2:00pm - 2:30pm  
Ecosystem Summit (Free Content)

Over the past 20 years, MQTT has emerged as the dominant IoT message transport technology. Its ease of use and implementation (thanks in large part to the Eclipse Paho project) has led all of the major cloud service providers to offer MQTT as a way to get IoT data into their services.

But at some point, for MQTT based solutions to be interoperable within a given market sector, the Topic Namespace, Payload representation and session state must be defined. The intent and purpose of the Sparkplug specification is to define an MQTT Topic Namespace, payload, and session state management that can be applied generically to the overall IIoT market sector, but specifically meets the requirements of real-time SCADA/Control HMI solutions (for which it was originally invented for). Meeting the operational requirements for these systems will enable MQTT based infrastructures to provide more valuable real-time information to Line of Business and MES solution requirements as well.

The "Internet of People" exploded due to a well known transport, HTTP, and a well known payload, HTML. For the IIoT to grow at the same rate MQTT has emerged as the well known transport and Sparkplug defines the payload.

#### Participants

**Arlen Nipper** - President and CTO, Cirrus Link Solutions

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### Speaker AMA Room Open!

2:15pm - 2:50pm  
Speakers AMA (Ask Me Anything!)

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## Afternoon Networking/Exhibition Visits/ Scheduled Meetings

2:20pm - 3:15pm  
Track 1 - IoT Security

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## Afternoon Networking/Exhibition Visits/ Scheduled Meetings

2:20pm - 3:15pm  
Track 2 - Smart Environments

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### What is Edge Native?

2:30pm - 3:00pm  
Ecosystem Summit (Free Content)

Edge computing is on the rise. In December 2019, the Eclipse Foundation launched the Eclipse Edge Native working group to address the challenges that make edge computing unique in relation to cloud and data center. In this presentation, you will understand what "Edge Native" means and how it represents a unique approach to Edge Computing. You will also explore real-world use cases from a variety of industries, and discover how Eclipse ioFog can be leveraged as a platform to support those use cases through integration with Eclipse IoT components such as Eclipse StreamSheets.

#### Participants

**Kilton Hopkins** - Co-founder and CEO, Edgeworx

**Philipp Struss** - Chief Executive Officer, Cedalo

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### IoT World Awards Ceremony - Open to everyone!

2:45pm - 3:45pm  
Track 3 - Business Resiliency

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### IoT World Awards Ceremony - Open to everyone!

2:45pm - 3:45pm  
Track 4 - Smart Mobility

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### Edge Cloud-Edge Interconnect: Doing it right with the Skupper project

3:00pm - 3:30pm  
Ecosystem Summit (Free Content)

Cloud/Edge architectures present unique challenges to networking and communications that are not well met by TCP/IP and the Internet. In this session, we will introduce the idea of a Virtual Application Network and an implementation of this idea in the Skupper project. Emphasis will be placed on Skupper's utility in edge computing use cases. Participants will also learn how Skupper provides advanced multi-site communications capabilities, security, and ease of deployment to developers and operators.

#### Participants

**Ted Ross** - Senior Principal Software Engineer, Red Hat

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### IoT World Awards Ceremony - Open to everyone!

3:15pm - 4:15pm  
Track 1 - IoT Security

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## IoT World Awards Ceremony - Open to everyone!

3:15pm - 4:15pm  
Track 2 - Smart Environments

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8:00AM			<p><b>8:30am</b> - Day Two Opening Remarks</p> <p><b>8:40am</b> - IoT Procurement Frameworks – 3rd Party Due Diligence Through the Channel</p>	<p><b>8:30am</b> - Day Two Opening Remarks</p> <p><b>8:40am</b> - IoT Procurement Frameworks – 3rd Party Due Diligence Through the Channel</p>	<p><b>8:30am</b> - Day Two Opening Remarks</p> <p><b>8:40am</b> - IoT Procurement Frameworks – 3rd Party Due Diligence Through the Channel</p>	<p><b>8:30am</b> - Day Two Opening Remarks</p> <p><b>8:40am</b> - IoT Procurement Frameworks – 3rd Party Due Diligence Through the Channel</p>
9:00AM	<p><b>9:00am</b> - The uses of photo realistic 3D digital twins in industrial IoT</p> <p><b>9:20am</b> - Startup Elevate Pitchoff: 3Egreen</p> <p><b>9:25am</b> - Startup Elevate Pitchoff: aidmics</p> <p><b>9:30am</b> - Startup Elevate Pitchoff: Carkit AI inc</p> <p><b>9:35am</b> - Startup Elevate Pitchoff: Cartesiam</p> <p><b>9:40am</b> - Startup Elevate Pitchoff: CoolSo Inc</p> <p><b>9:45am</b> - Startup Elevate Pitchoff: Corporate Central</p> <p><b>9:50am</b> - Startup Elevate Pitchoff: DeCloak Intelligences Co</p> <p><b>9:55am</b> - Startup Elevate Pitchoff: DeepMentor Inc</p>		<p><b>9:00am</b> - IoT + AI = Digital Transformation?</p> <p><b>9:20am</b> - Digitizing Industrial Automation - Fast, Flexible, and Free of Wires</p> <p><b>9:40am</b> - Keynote Panel: Moving Beyond the Hype of AI, Edge and 5G – How the Convergence of Cutting Edge Technologies are Revolutionizing the IoT Landscape</p>	<p><b>9:00am</b> - IoT + AI = Digital Transformation?</p> <p><b>9:20am</b> - Digitizing Industrial Automation - Fast, Flexible, and Free of Wires</p> <p><b>9:40am</b> - Keynote Panel: Moving Beyond the Hype of AI, Edge and 5G – How the Convergence of Cutting Edge Technologies are Revolutionizing the IoT Landscape</p>	<p><b>9:00am</b> - IoT + AI = Digital Transformation?</p> <p><b>9:20am</b> - Digitizing Industrial Automation - Fast, Flexible, and Free of Wires</p> <p><b>9:40am</b> - Keynote Panel: Moving Beyond the Hype of AI, Edge and 5G – How the Convergence of Cutting Edge Technologies are Revolutionizing the IoT Landscape</p>	<p><b>9:00am</b> - IoT + AI = Digital Transformation?</p> <p><b>9:20am</b> - Digitizing Industrial Automation - Fast, Flexible, and Free of Wires</p> <p><b>9:40am</b> - Keynote Panel: Moving Beyond the Hype of AI, Edge and 5G – How the Convergence of Cutting Edge Technologies are Revolutionizing the IoT Landscape</p>

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8:30 am - 5:30 pm PT

TIME	ECOSYSTEM SUMMIT (FREE CONTENT)	SPEAKERS AMA (ASK ME ANYTHING!)	TRACK 1 - IOT SECURITY	TRACK 2 - SMART ENVIRONMENTS	TRACK 3 - BUSINESS RESILIENCE	TRACK 4 - SMART MOBILITY
<b>10:00AM</b>	<p><b>10:00am</b> - Startup Elevate Pitchoff: FaceHeart</p> <p><b>10:05am</b> - Startup Elevate Pitchoff: Giftpack Taiwan Inc</p> <p><b>10:10am</b> - Startup Elevate Pitchoff: HackMD Inc</p> <p><b>10:15am</b> - Startup Elevate Pitchoff: ioNetworks Inc</p> <p><b>10:20am</b> - Startup Elevate Pitchoff: ITM</p> <p><b>10:25am</b> - Startup Elevate Pitchoff: Jeeva Wireless</p> <p><b>10:30am</b> - Startup Elevate Pitchoff: KiWi New Energy Inc</p> <p><b>10:35am</b> - Startup Elevate Pitchoff: Leading North Advisors</p> <p><b>10:40am</b> - Startup Elevate Pitchoff: LearningPal</p> <p><b>10:45am</b> - Startup Elevate Pitchoff: Lockists Co Ltd</p> <p><b>10:50am</b> - Startup Elevate Pitchoff: LUDO</p> <p><b>10:55am</b> - Startup Elevate Pitchoff: Mata Inventive</p>	<p><b>10:10am</b> - Speaker AMA Room Open!</p>	<p><b>10:10am</b> - Networking /Exhibition Visits/Scheduled Meetings</p> <p><b>10:40am</b> - The importance of understanding why Cybersecurity is different from IT Security</p>	<p><b>10:10am</b> - Networking /Exhibition Visits/Scheduled Meetings</p> <p><b>10:40am</b> - Cloud vs local: when and where to successfully integrate implemented devices</p>	<p><b>10:10am</b> - Networking /Exhibition Visits/Scheduled Meetings</p> <p><b>10:40am</b> - Utilizing the cloud for business continuity from security to flexibility</p>	<p><b>10:10am</b> - Networking /Exhibition Visits/Scheduled Meetings</p> <p><b>10:40am</b> - Confluence between the smart city and connected vehicle – what can be implemented in any community, town and city?</p>

# SCHEDULE

DAY TWO: WEDNESDAY AUGUST 12, 2020 - 12/08/2020

IoT World Virtual Conference & Expo 2020

Virtual Event  
August 11 - 13, 2020  
8:30 am - 5:30 pm PT

TIME	ECOSYSTEM SUMMIT (FREE CONTENT)	SPEAKERS AMA (ASK ME ANYTHING!)	TRACK 1 - IOT SECURITY	TRACK 2 - SMART ENVIRONMENTS	TRACK 3 - BUSINESS RESILIENCE	TRACK 4 - SMART MOBILITY
11:00AM	<p><b>11:00am</b> - Startup Elevate Pitchoff: Moldintel</p> <p><b>11:05am</b> - Startup Elevate Pitchoff: Nivid Technologies</p> <p><b>11:10am</b> - Startup Elevate Pitchoff: Outfit Rental</p> <p><b>11:15am</b> - Startup Elevate Pitchoff: Polymorph Systems</p> <p><b>11:20am</b> - Startup Elevate Pitchoff: The Preferred Prepaid Inc, Xyzies</p> <p><b>11:25am</b> - Startup Elevate Pitchoff: Singular Wings Medical</p> <p><b>11:30am</b> - Startup Elevate Pitchoff: Sounds Great Co Ltd</p> <p><b>11:35am</b> - Startup Elevate Pitchoff: SunJet-robotics</p> <p><b>11:40am</b> - Startup Elevate Pitchoff: Thunderzee Ind</p> <p><b>11:45am</b> - Startup Elevate Pitchoff: XMIGHT Corp</p> <p><b>11:50am</b> - Startup Elevate Pitchoff: Yo-Kai Express Inc</p> <p><b>11:55am</b> - Investor and Judges Pitchoff Feedback Session</p>		<p><b>11:00am</b> - Securing IoT Devices by Design</p> <p><b>11:20am</b> - Real cyber threats and best practices in smart manufacturing</p> <p><b>11:40am</b> - Panel: Creating Public / Private collaboration to fill the gaps in cybersecurity standardization</p>	<p><b>11:00am</b> - Low-Power Wireless connectivity for smart environment</p> <p><b>11:20am</b> - 360-degree automation systems that go beyond maintenance and cost savings</p> <p><b>11:40am</b> - PANEL: Business models that adapt to keep the building automation market moving forward</p>	<p><b>11:00am</b> - Leveraging US government investments to conduct applied R&amp;D</p> <p><b>11:20am</b> - Support safety measures in the plant against COVID-19: How are technologies like cobots being used for social distancing?</p> <p><b>11:40am</b> - Panel - Future-proof business models to bring collaboration and tech to the fore</p>	<p><b>11:00am</b> - Content in the connected car: Ecosystems, control, and revenue?</p> <p><b>11:20am</b> - Telematics and the autonomous vehicle: Where are we now and what's coming next?</p> <p><b>11:40am</b> - Panel – New Tech Entrants: Opportunity for cross-industry partnerships or competition in the development of the connected car services</p>

# SCHEDULE

DAY TWO: WEDNESDAY AUGUST 12, 2020 - 12/08/2020

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TIME	ECOSYSTEM SUMMIT (FREE CONTENT)	SPEAKERS AMA (ASK ME ANYTHING!)	TRACK 1 - IOT SECURITY	TRACK 2 - SMART ENVIRONMENTS	TRACK 3 - BUSINESS RESILIENCE	TRACK 4 - SMART MOBILITY
<b>12:00PM</b>	<b>12:30pm</b> - Partner Workshop: Eclipse IoT and Eclipse Edge Native: Making Sense of the Puzzle	<b>12:10pm</b> - Scheduled Meetings/Speed Networking/Exhibition Visits	<b>12:10pm</b> - Scheduled Meetings/Speed Networking/Exhibition Visits	<b>12:10pm</b> - Scheduled Meetings/Speed Networking/Exhibition Visits	<b>12:10pm</b> - Scheduled Meetings/Speed Networking/Exhibition Visits	<b>12:10pm</b> - Scheduled Meetings/Speed Networking/Exhibition Visits
<b>1:00PM</b>	<b>1:00pm</b> - The zenoh protocol: Zero Overhead Pub/sub, Store/Query and Compute		<b>1:30pm</b> - Innovations in secure connectivity for IoT: True Zero-Trust Technology  <b>1:50pm</b> - PANEL: Securing IoT Networks for the Homeland Security Mission	<b>1:30pm</b> - Empowering sustainable cities with Smart Grid modernization  <b>1:50pm</b> - PANEL: Meeting the IoT challenge: Partnering across city agencies, transportation, utilities, emergency response and private companies	<b>1:50pm</b> - Afternoon Networking/Exhibition Visits/Scheduled Meetings	<b>1:50pm</b> - Afternoon Networking/Exhibition Visits/Scheduled Meetings
<b>2:00PM</b>	<b>2:00pm</b> - MQTT Sparkplug has launched! Now what?  <b>2:30pm</b> - What is Edge Native?	<b>2:15pm</b> - Speaker AMA Room Open!	<b>2:20pm</b> - Afternoon Networking/Exhibition Visits/Scheduled Meetings	<b>2:20pm</b> - Afternoon Networking/Exhibition Visits/Scheduled Meetings	<b>2:45pm</b> - IoT World Awards Ceremony - Open to everyone!	<b>2:45pm</b> - IoT World Awards Ceremony - Open to everyone!
<b>3:00PM</b>	<b>3:00pm</b> - Edge Cloud-Edge Interconnect: Doing it right with the Skupper project		<b>3:15pm</b> - IoT World Awards Ceremony - Open to everyone!	<b>3:15pm</b> - IoT World Awards Ceremony - Open to everyone!		

# SESSIONS

DAY THREE: THURSDAY AUGUST 13, 2020 - 13/08/2020

IoT World Virtual Conference & Expo 2020

**Virtual Event**  
August 11 - 13, 2020  
8:30 am - 5:30 pm PT

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## IoT World Virtual Networking Day

9:30am - 3:00pm

IoT World Virtual Networking Day

- Speed Networking Sessions AM/PM
- Structured 1-2-1 Networking Powered by AI
- Private Meeting Rooms
- Vertical Industries Networking Happy Hours
- Horizontal Technologies Networking Happy Hours

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## Virtual Exhibition Hours

9:30am - 3:00pm

Virtual Exhibition Hours



# SCHEDULE

DAY THREE: THURSDAY AUGUST 13, 2020 - 13/08/2020

IoT World Virtual Conference & Expo 2020

**Virtual Event**  
August 11 - 13, 2020  
8:30 am - 5:30 pm PT

<b>TIME</b>	<b>IOT WORLD VIRTUAL NETWORKING DAY</b>	<b>VIRTUAL EXHIBITION HOURS</b>
<b>9:00AM</b>	9:30am - IoT World Virtual Networking Day	9:30am - Virtual Exhibition Hours