



**Tuesday September 19th - Welcome Reception 6:00pm-9:00pm @ Red O**

**AGENDA**

**Wednesday September 20th - Envision Technology Conference**

Each Intel presentation will be followed by an overview of what Kontron is doing to support product development in these areas

Time	Alloted Time	Topic	Presenter	Presentation Summary	Speaker Bio	
7:30am	15	<b>Keynote</b>	Kevin Rhoads/ Kontron	Welcome	Kevin Rhoads is General Manager of Kontron America. He joined Kontron in 2005 and acted in several positions including Vice President of Business Development, Head of EPBU Business Unit and Vice President of Sales. Before joining Kontron, he worked 15 years at ETMA/TFS as the Vice President of Sales in contract manufacturing and supply chain.	
7:45am	60	<b>Keynote</b>	Jonathon Luse/Intel	* Intel IOTG 2017 strategy & insights	Jonathan Luse is the General Manager of Intel IOTG's Strategic Product Planning and Product Line Management. In this role, he is responsible for the short and long term product definition and management of IOTG's CPU and software roadmaps.  The IOTG strategic planner and product line management team is responsible for IOTG's product and base platform enablement roadmap and that it is sufficient to meet 3-5+ year revenue goals with the highest return on investment for Intel Xeon™, Core™, and Atom™ and other supporting product lines.  Prior to this role, he was the Director of Intel's Online Sales Group, and helped establish Intel's inside sales force as well as our digital sales capability. This team generates approximately \$5 Billion of design wins and revenue for Intel in 70 countries from tens of thousands of customers. While in this role his group was part of the Sales Enablement and Operations group which won the Intel Quality Award (IQA) in 2014.	
8:45am	60	<b>Security</b>	Sven Schrecker/Intel	Security is one of the top priorities for most verticals today, but ironically, the fear of the security controls themselves make adoption of the technologies a challenge. This session will address breaking down the security solution space into smaller categories allows us to directly solve specific issues and then combine the categories together into a wholistic security approach that addresses many of today's concerns as well as preparing for tomorrow's new threats. The first category is to enable endpoints to protect themselves, to assure integrity as well attest to it remotely, and to ensure that strong identity capabilities are available in each endpoint. Once the endpoints have been addressed, then the communications must be considered because the endpoints all talk to each other and to the cloud. At this point, there is a marked increase in security capability, but adding the final categories for security management and security monitoring enable a feedback loop to configure the system of systems, to enable no-touch on-boarding, and to ensure trust in the update process. Finally, we will reassemble the categories to construct a vision that illustrates how a unified security platform and methodology enables the adoption of modern technologies that include strong security solutions.	Sven Schrecker Chief Architect, IoT Security Solutions, Intel Founding Chair of the Security Working Group, Industrial Internet Consortium  Sven Schrecker is the Chief Architect for Intel's IoT Security Solutions Group. He is responsible for open, standards-based platforms and strategy to enable end-to-end IoT security across both existing (brown field) and new (green field) technologies, leveraging hardware and software solutions to demonstrably increase security focused at Embedded and Industrial deployments. He is also the Chair of the Industrial Internet Consortium's Security Working Group where he seeks to improve security capability across IoT. Smart Industry Magazine lists Sven as one of the top 50 innovators. He is listed as an inventor on over four-dozen security-related patents either pending or granted.	
9:45am	15	<b>BREAK</b>				
10:00am	90	<b>FOG &amp; FPGA Synergy</b>	Jason Seaholm	Many believe that the explosion of edge objects is the start of another technology revolution. How big will it be, and how well are you prepared? This demo is an example of high end edge compute technology capable of edge inference of great complexity. Today it will be demonstrating facial recognition that is not dependent on the cloud.	Jason Seaholm Director of Fog Systems Engineering, Intel 20+ years driving Intel across the 3 phases of IoT (Connected, Smart, Autonomous)	

11:15am	45	<b>MRS/RFP Dev Kits</b>	Todd Paredes&Craig Wetzal/Intel	<p>Intel® IoT Market Ready Solutions are scalable, repeatable, end-to-end solutions that are currently available in the market. These solutions are made up of sensors, edge hardware, software, cloud, and analytics from across the IoT ecosystem and delivered through one provider. Through the Intel® IoT Market Ready Solutions program, Intel is verifying that these solutions deliver innovative business transformation by leveraging actionable insights.</p> <p>The best way to delight IoT enterprise customers is to provide them products that are easy to use, cost effective and readily available. Intel® IoT RFP Ready Kits are used by customers to build complete solutions. These solutions may be internal to the enterprise, like a digital signage within Carrefour stores, or may be packaged in a SaaS delivery model, like mKrishi Agriculture from TCS. For typical users, the implementation journey goes from an Intel® IoT RFP Ready Kit to a solution that develops vertical applications to a scalable solution that's implemented and deployed.</p>	Todd Parades is Director of Intel IoT Channels, 20+ years at Intel developing and enabling the IoT Ecosystem
12:00	60	<b>LUNCH</b>			
1:00pm	90	<b>AI + Deep Learning</b>	Steven Tu/Intel	<p>This talk is an introduction to Intel's plan on AI and Deep Learning strategy and product roadmap. It will take the audience through a technical tour over Intel AI hardware, software and other critical components that will make our customer successful in deploying their AI solutions in their market segments.</p>	<p>Steve Tu is an Intel Senior Principal Engineer and Chief Architect of IOTG System Engineering Group. He leads IOTG AI strategy and AI product line definition and roadmap for IOTG. Prior to IOTG, he led Mobile and Home SOC product definition and architecture for more than 10 years. He has also worked on i960, Itanium, and Xscale ARM processor development.</p>
2:15pm	15	<b>BREAK</b>			
2:30pm	60	<b>Edge to Cloud</b>	Stephen Olsen/Wind River	<p>Wind River is a global leader in delivering safety critical software for the Internet of Things. The company's technology is found in more than 2 billion devices, backed by world-class professional services and customer support. Wind River delivers the software and expertise that enable the innovation and deployment of safe, secure, and reliable intelligent systems.</p>	<p>Stephen Olsen, Product Line Manager, Wind River</p> <p>Stephen Olsen is a noted embedded industry expert with extensive experience in embedded software development, thought leadership, product management, and communications. Most recently he is a Product Line Manager for VxWorks at Wind River. Prior to Wind River, Stephen was involved with Mentor Graphics as a consultant, system architect, and RTOS engineering manager. Outside of Mentor he co-chaired VSIA's Hardware dependent Software (HdS) design working group, worked on the MRAPI specification for the Multi-core Association and authored several papers on system design, USB, multicore/multi-OS design and power management. He was awarded a patent on debugging hardware accelerated operating systems.</p>
3:30pm	45	<b>TSN</b>	Bala Parthas/Intel	<p>Time Sensitive Networking is a set of standards under development by the Time-Sensitive Networking task group of the IEEE 802.1 working group. TSN is a key component for real-time communication between systems. This presentation covers the Intel solutions for TSN. Intel engagement with Industry/Standards body on TSN is also covered in detail.</p>	<p>Bala Parthas is an architect with Intel Internet of Things Group (IOTG). He has experience spanning from silicon design, silicon micro-architecture, platform power management, platform architecture and system engineering in various roles within Intel for the last 20 years. He is working with a team that includes Kevin Stanton and Riccardo Mariani. Kevin is an expert on "time" for networking (including TSN) and real-time applications. Kevin also is a member of the leadership team of Avnu Alliance. Riccardo is an Intel Fellow and former CTO and co-founder of Yogitech. Riccardo is an active member of international committees for functional safety: in ISO 26262, he is part of the steering committee and he leads the new part 11 on "Guideline on application of ISO 26262 to semiconductors".</p>
4:15pm	45	<b>Functional Safety</b>	Bala Parthas/Intel	<p>This presentation covers the Industrial Functional Safety at Intel while also explaining the Intel Functional Safety strategy. Solutions for Industrial FuSa is also covered in detail.</p>	<p>Bala Parthas is an architect with Intel Internet of Things Group (IOTG). He has experience spanning from silicon design, silicon micro-architecture, platform power management, platform architecture and system engineering in various roles within Intel for the last 20 years. He is working with a team that includes Kevin Stanton and Riccardo Mariani. Kevin is an expert on "time" for networking (including TSN) and real-time applications. Kevin also is a member of the leadership team of Avnu Alliance. Riccardo is an Intel Fellow and former CTO and co-founder of Yogitech. Riccardo is an active member of international committees for functional safety: in ISO 26262, he is part of the steering committee and he leads the new part 11 on "Guideline on application of ISO 26262 to semiconductors".</p>
5:00pm	15	<b>WRAP UP</b>			

**EVENING EVENT**

6:00pm 240

**Brewery Tour**

## AGENDA

Thursday, September 21th - Envision Technology Conference					
Day 2 will start at the hotel followed by an Open House and additional sessions at the new Kontron facility					
Time	Alloted Time	Topic	Presenter	Presentation Summary	Speaker Bio
8:00am	30	<b>Keynote</b>	Kevin Rhoads	Learn how Kontron (an S&T Company) will continue to provide its customers with integrated solutions for embedded modules, boards and systems, Internet of Things (IoT) and Industry 4.0 applications. With more than 2,300 experienced engineers from both OT and IT backgrounds, Kontron will offer further innovative solutions for the seamless and secure connection of embedded systems into the Embedded Cloud.	Kevin Rhoads is General Manager of Kontron America. He joined Kontron in 2005 and acted in several positions including Vice President of Business Development, Head of EPBU Business Unit and Vice President of Sales. Before joining Kontron, he worked 15 years at ETMA/TFS as the Vice President of Sales in contract manufacturing and supply chain.
8:30am	60	<b>Advanced Technology</b>	Andy Mason	Delivering the power to transform data into actionable information, artificial intelligence (AI) and deep learning techniques are transforming our industries and will continue to push the pace of innovation. The technologies behind the autonomous vehicle go well beyond not only revolutionizing the cars we drive, but also are moving into numerous and varied markets including solutions for aerospace, defense, commercial avionics, networking, transportation, industrial automation, robotics and medical applications. Learn how Kontron is advancing the launch of a new "autonomous everywhere" paradigm	Andy Mason leads the Innovation, System Architecture and Product Management activities for that group. He has 20+ years of experience in various aspects of the Aviation and Defense business, and has specific expertise in real-time software, wireless technologies, avionics platforms and ruggedized computer systems. Andy Mason came to Kontron in 2010, with the acquisition of San Diego-based AP Labs, where he was involved in the startup of their Inflight Entertainment and Connectivity business. Andy Mason holds BS and MS degrees in Mathematical Statistics from San Diego State University.
9:30am	30	<b>HOTEL CHECK OUT</b>			
10:00am		<b>Leave hotel for Kontron facility</b>			
10:15am	120	<b>Kontron Tour &amp; product demos</b>	Kontron Team	Tour our new facility and learn how our roadmap offers you an advantage in designing next-generation systems that will help make the autonomous everywhere revolution a reality.	
12:00	60	<b>LUNCH</b>			
1:00pm	120	<b>Kontron Breakouts</b>	Kontron Team	Opportunity to speak with Kontron's development team and learn how our latest offering of technology driven products will enable your company to design the most powerful and integrated next-generation systems for the future. Participate on business strategies for aerospace, defense, commercial avionics, networking, transportation, industrial automation, robotics and medical applications.	
3:30pm		<b>Bus departures beginning at 3:30 to the San Diego Airport</b>			