

SESSIONS

IoT SAVING LIVES WORKSHOP - 13/05/2019

IoT Saving Lives

May 13th, 2019

Santa Clara Convention Center
Santa Clara, CA

Registration & Networking

8:00am - 9:00am

Welcome Remarks

9:00am - 9:05am

Participants

Stephanie McCall - Show Director, IWCE's IoT Saving Lives

Keynote Address

9:05am - 9:30am

Keynote Address: Bill Schrier, FirstNet Authority

9:30am - 10:00am

Participants

Keynote: Bill Schrier - Senior Advisor, FirstNet Authority

[Foundation 1: the Life-Saving Things] Thing 1, Thing 2, Thing Red, Thing Blue: A look at the Life-Saving Things

10:00am - 11:00am

It's pretty fundamental: You can't have the Internet of Life-Saving Things without "things" at the edge to perform functions. Our experts will provide an overview of IoT devices from simple sensors that require little power or data throughput to remote-controlled robots that support video-surveillance operations, requiring significant bandwidth with very low latency. From fixed devices to wearables, which "things" offer the greatest promise to save lives, whether they are owned by a public-safety agency or a private citizen?

Participants

Moderator: Donny Jackson - Editor, IWCE's Urgent Communications

Panelist: Pierre Couteau - Senior Director Strategic Alliances - Mobile B2B, Samsung Electronics America

Networking Break

11:00am - 11:15am

[Foundation 2: the "Internet of"] Connectivity is Crucial to Saving Lives

11:15am - 12:15pm

Life-savings things are great to have, but their sensing capabilities typically are of little or no value, unless the data can be transmitted to someone empowered to take advantage of the IoT insights. If this information is critical to your health and safety, to operate vehicles, or to run your community, the connectivity between the "things" must work, regardless of the environmental conditions. What are the options, and where are investments best spent—hardening a network or establishing redundant paths and alternative solutions that can be deployed quickly when failures occur?

Participants

Moderator: Jason Nelson - Director of Partnership Engagement, Smart Cities Council

Panelist: Kaevon LeGrande - Senior Consultant, Project Manager, PS BB and SMART/IOT Communities, The Digital Decision, LLC

Panelist: Donald Harriss - Network Security Engineer, PSCR, NIST

Panelist: Jeff Lewis - Former CIO, City of Concord, Joint Venture Silicon Valley

Tech Lightning Round

12:15pm - 12:30pm

Networking Lunch

12:30pm - 1:30pm

Tools, Sensors and Analytics: Data Capture and Analysis

1:30pm - 2:15pm

With all these connected devices comes data—lots of it. But raw data is little more than trivia until the data is analyzed and helpful trends are identified. While most agree that this is key to any successful IoT or IoLST initiative, establishing effective and efficient analytical procedures can be challenging. Which analytical tasks can be automated or enhanced by technologies such as artificial intelligence? Where is human input needed, both in terms of establishing policies for automation and prior to making the ultimate actionable decision?

Participants

Speaker: Alison Kahn - Electronics Engineer, PSCR, NIST | CTL

Privacy, Security and Legal Implications of IoT Data

2:15pm - 3:15pm

You provide your data every time you use the Internet or smart device, and sometimes when you're not. From video surveillance to social media, examine the privacy, security and legal implications of this data collection. When can it be used by public safety to solve crimes? Can health data be used to change your coverage? Can it be accessed it be used maliciously by hackers? Examine the ramifications of collecting this data, keeping it secure, and under what conditions can access be granted.

Participants

Moderator: Alan Tilles - Partner, Shulman Rogers Gandal Pordy & Ecker, P.A.

Panelist: Lorena Figueroa Corral - Security Consultant, Equipo Tactico de México

Panelist: Jill Kelley - President, Military Diplomacy Strategies LLC

Networking Break

3:15pm - 3:30pm

Opportunity Talk: How to Get Started, Set Policies, and Measure "Success"

3:30pm - 4:30pm

Getting started in IoT is fairly common, but getting beyond the "pilot purgatory" stage has proven to be challenging in both the public and private sector. The panel will examine how best to measure "success" in a manner that will encourage decision makers to support a sustainable initiative, and discuss the governance needed by all parties as they begin to work together to roll out IoLST initiatives.

Participants

Speaker: Ashley Schultz - Grants Development Consultant, Grants Office LLC

Speaker: Robert LeGrande II - Founder and CEO, The Digital Decision, LLC

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Sandbox Time: What IoT and IoLST Components Can Be Shared?

4:30pm - 5:30pm

One potential way to improve return-on-investment (RoI) calculations may be to consider partners. After all, public-safety IoLST, smart communities, utility smart grids and autonomous cars have a lot in common. All promise tremendous benefits to citizens, greatly enhancing citizens' safety, convenience and quality of life. All work better with robust connectivity—particularly low-latency, high-bandwidth fiber, 4G or 5G—that needs to be extremely reliable to realize full operational benefits. And no one heading these initiatives has unlimited funds to make their visions a reality. Given this, which aspects of these IoT-centric can be shared, generating synergies that can improve both performance and return on investment (RoI)? Can initiatives like rural broadband and next-generation 911 also benefit? Are the benefits worth the extra complications of coordinating multiple groups?

Participants

Moderator: Donny Jackson - Editor, IWCE's Urgent Communications

Panelist: David Witkowski - Executive Director, Wireless Communications Initiative, Joint Venture Silicon Valley

Panelist: Mar Tarres - Vice President, Products, pdvWireless/UBBA

SCHEDULE

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1:00PM	1:30pm - Tools, Sensors and Analytics: Data Capture and Analysis
2:00PM	2:15pm - Privacy, Security and Legal Implications of IoT Data
3:00PM	3:15pm - Networking Break 3:30pm - Opportunity Talk: How to Get Started, Set Policies, and Measure "Success"
4:00PM	4:30pm - Sandbox Time: What IoT and IoLST Components Can Be Shared?