LIVE SLAM '17
Internet of Things Conference
June 21-22 2017 - NC. USA
An IoT Slam® Production

**Archie K Davis Conference Centre,
located at the Research Triangle Park
North Carolina USA
June 21 - June 22, 2017**

<u>Call For Papers</u>

**Inaugural IoT Live Slam 2017 Conference
4th International (3rd Annual) Virtual Broadcast:
June 21 - June 22, 2017**

Organized by the Internet of Things Community (IoT Community)

**Internet of Things
Community**

#IoTSlam   http://iotslam.com

Appendix:

- Theme and goals of the conference
- Conference Topics
- Important Dates
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Theme of the conference

In 2015, and 2016, global enterprises, elite IoT practitioners, and leading edge IoT providers came together to further the directions and perspectives on the various aspects related to the Internet of Things. Different viewpoints on this issue have been examined via recent IoT Slam conferences - which have provided important and actionable insights to the core sub-themes of the Internet of Things.

Several core questions remain relating to understanding of what benefits IoT brings for enterprises, mid-sized business and to the global economy and how the trade-off against the present Security risk landscape weighs in comparison. Conference participants are urged to weigh-in with their views and experiences to help solve the ambiguities of IoT and find better ways to leverage affiliated methods such as BlockChain, Artificial Intelligence, Edge Computing, amongst others to overcome the challenges and ultimately realize their business goals.

In this inaugural Live IoT Slam June event in North Carolina, we will reflect on the shared ideas of IoT as well as discuss conclusions that are debated among experts in the profession. The exchange of ideas and conversation between the participants will result in a further common understanding that will function as the base for future discussions on the Internet of Things.

The underlying theme this June is how the IoT is changing our future.

Keynote sessions, panel discussions and breakout sessions and real time virtual presentations will contribute to more precise understanding of the adoption, development of IoT and its impact on current and future society, the Future of Technology and its Impact on Our Lives.

Conference Topics

Security and the Internet of Things

As we rely on connected devices to make our lives better and easier, security must be considered from every aspect. All participants in the IoT ecosystem have a responsibility for the security of the devices, data and solutions. This means that device manufacturers, application developers, consumers, operators, integrators and enterprise businesses all have their part to play to follow best practices. IoT security requires a multi-layered approach. From a device point of view it should be considered at the blueprint level that starts with design and development and keeps hardware, firmware/software, and data secure through their entire life. The same approach applies if you are a security analyst or operations personnel responsible for IoT solutions. To enable the full potential of IoT, security challenges must be addressed through a combination of interoperability, education and good design—and by taking a proactive, not reactive approach to designing security features, which will result in better products and solutions.

Cognitive IoT / Artificial Intelligence

The Internet of Things is at the threshold of a tremendous opportunity. Connecting things with unique IP addresses has been possible for over a decade, but the commoditization of sensors, processors and memory now make it viable to make everyday things move beyond being just connected, but actually making them intelligent. Beyond traditional IoT implementations, cognitive computing is increasing the amount of data to improve the learning environment and increase the possibilities of what can be done with edge analytics – making sensors capable of diagnosing and adapting to their environment without the need for human intervention. Another huge advantage of cognitive IoT is the ability to combine multiple data streams that can identify patterns and give much more context than would be otherwise available.

IoT Platforms & DevOps

IoT platforms are receiving a great amount of attention as most major IoT players have rolled one out in one form or another. Platforms that have the right elements can provide tremendous value by linking the IoT endpoints to the applications and analytics needed to generate business outcomes. It's the linchpin in a holistic IoT solution as it enables the data generated at the endpoints to be processed and meaningfully used by end users. An IoT platform must connect devices, must collect data, must handle thousands of vendors, dozens of standards and must be able to scale to millions of devices sending billions of messages. To deliver true value beyond the basics, it must add cognitive, security, privacy, insight generation and close loop automation. With these capabilities and the supporting technology advancements, the IoT platform becomes an agent of transformation for a business.

Enterprise IoT

The Internet of Things transformation is being driven by enterprises. Consumer products such as wearables and connected electronics certainly garner a large part of the market, but IDC estimates more than 80 percent of IoT spend through 2020 will be on B2B applications and use cases. The Internet of Things will be one of the primary drivers of the digital transformation that enterprises will undergo in the coming years, creating a self-learning environment that will drive digital disruption in physical world. IoT will be a critical piece of this transformation as it allows new business models to emerge and enables changes in work processes, productivity improvements, cost containment and enhanced customer experiences.

Blockchain

Blockchain is playing a major part in the Internet of Things by enhancing security, making transactions more seamless and creating efficiencies in the supply chain. Enterprises are leveraging blockchain in 3 key ways:

1. Build trust – blockchain can help build trust between the people and parties that transact together. Watson IoT blockchain enables devices to participate in blockchain transactions as a trusted party. While Person A may not know device B and may not trust it implicitly, the indelible record of transactions and data from devices stored on the blockchain provide proof and command the necessary trust for businesses and people to cooperate.
2. Reduce costs – IoT and blockchain can enable participants to reduce monetary and time commitment costs by ultimately removing the "middle man" from the process. Transactions and device data are now exhibited on a peer to peer basis, removing most legal or contractual costs.
3. Accelerate transactions – IoT and blockchain enables more transactions overall because the "middle man" is removed from the process. Smart contracts allow for organizations to reduce time needed for completing legal or contractual commitments.

Edge Computing

Today, in a typical industrial deployment, only 1% of IoT data is actually analyzed. This is because of legacy processes and drawbacks in current IoT platforms that make it too expensive and slow to analyze the other 99% of data. Enter edge analytics. A solution that helps to address the deluge of IoT data by distributing analytics to the edge, or very close to it. Enterprises can harness the intelligence of the myriad of smart devices and their low cost computational power to allow them to run valuable analytics on the device itself. Multiple devices are usually connected to a local gateway where potentially more compute power is available, enabling more complex multi-device analytics close to the edge. Even more powerful in many cases, edge analytics are more than just operational efficiencies and scalability. Many business processes do not require complex analytics and therefore the data can be collected, processed and analyzed on the edge to drive automated decisions. Cognitive IoT can infuse these edge analytics with intelligence to make devices environmentally aware and able to react in real-time.

IoT Infrastructure

With increased connectivity comes several concerns. The IoT will generate immense amounts of data, which will put pressure on the Internet and force us to come up with more efficient ways to transmit and store this data. Perhaps chief among these concerns are the infrastructure considerations as other sectors grow thanks to the IoT. It's important to consider that the foundation must be well-laid to support the growing demands of a connected world.

Standards & Policy

Using a single set of standards for connectivity is a primary concern for the IoT. Just as in the early days of the Internet, no single, reliable and secure way to connect to the IoT exists. One of the most significant challenges the IoT ecosystem faces is the ability for connected things to speak a compatible language between each other and the cloud. Without standards, growth in the forecast adoption of IoT solutions will be constrained. Creating industry standards is slow, hard work—but when they finally becomes established, new industries and more efficient ways of doing business can be created.

Contributions

Contributions by vendors, researchers, practitioners, consultants and local/regional authorities; are invited to address the general conference themes. Contributions should aim to enrich the debate about policies, and methods related to the Internet of Things. Contributions need to be clearly related to one of the following conference core themes:

1. IoT Platforms and DevOps
2. Security and Privacy
3. Cognitive Computing
4. Enterprise IoT
5. Blockchain
6. Cloud & Edge Computing
7. Infrastructure
8. Standards

Abstract Submission

Abstracts of between 250 and 400 words maximum, should be submitted through our online system http://iotslam.com/cfp by March 31, 2017. You can also send your proposal via email to speakers@iotslam.com. Abstracts should clearly state the purpose and conclusions of the work to be described in the full paper and specifically outline the relation to one of the aforementioned sub-themes. Abstracts should be written in English.

Timetable for Conference Papers

Call For Papers Opens	January 24th 2017
Deadline for abstract submission:	March 31, 2017
Notification of acceptance:	April 10, 2017
Agenda Published / Registration Opens:	April 17, 2017
Full paper submission:	May 15, 2017
Live Slam Conference Commences:	June 21 - 22, 2017

Panelist Participation

If you would like to be considered as a panelist for one of the panel / roundtables, please send an email to speakers@iotslam.com with the subject - Panelist:

Please provide your (proposed speaker) full name and contact details, along with bio and photo, and the speaker relations team will consider your proposal and revert back to you letting you know if you (speaker) has been selected for inclusion. We may request more information to assist us in considering your proposal.

Conference Date, Venue and Fees

Date:	June 21 - June 22, 2017
Venue:	Archie K Davis Conference Centre, located at the Research Triangle Park North Carolina USA
Registration Fees:	GBP £50 - £499 (USD $59-$699) (includes access to Livestream /, downloadable and includes all conference materials, conference breakfasts, lunches, snacks and drinks)

Conference Media Partners – Full List at:
http://iotslam.com/internet-of-things-conference-media-press

Key Proliferation Channels:
- Readwrite (World's largest IoT media publication & Site)
- Internet of Things Community Linkedin Group (19,000+) Members Globally
- Direct email to previous IoT Slam Conference attendees (4,000+) - Top level executives
- Healthcare Executives Network (HeXN) 300,000 Healthcare / Life Science executives
- Twitter: Verified handle consisting of 33,000 elite IoT, Cloud, and Enterprise followers - @IoTChannel (IoT Community) and @IoTSlam

Conference Contact

- For more information, please contact David Hill at david.hill@iotslam.com and / or Bill Mortimer at bill.mortimer@spirent.com

Conference Online

- Visit the conference website at http://iotslam.com

- Subscribe to conference Twitter updates: http://twitter.com/iotchannel

- Join the Internet of Things Community on Linkedin at http://iotslam.com/community