



**Speakers confirmed to date:** For more Speakers please visit: <https://iotsecurityevent.com/2016-speakers/>

*Philip DesAutels, Senior Director of IoT, **The Linux Foundation***

*Dr. Reginald Brothers, Under Secretary for Science and Technology, **US Department of Homeland Security***

*Daniel Paillet, Cyber Security Lead Architect, **Schneider Electric***

*TBA, **Azure, Microsoft***

*Christopher Larkin, CTO, **GE Healthcare***

*Joshua Belk, Senior Manager Cyber Security, **PG&E***

*Kumar Srivastava, VP of Product Strategy, **Bank of New York, Silicon Valley Innovation Center***

*M.J. Vaidya, Principal, **Ernst & Young***

*Ravi Thatavarthy, CISO, **iRobot***

*Judd Bagley, Director of Communications, **Overstock.com & Chief Evangelist, t0.com***

*Bruce Weed, Program Director, Startups - Watson, IoT, Blockchain, Big Data, Cloud, **IBM***

*Liana Guzman, VP of Marketing Communications, **Blockchain***

*Austin O'Flynn, Senior Counsel for IT/IP, eCommerce, eDiscovery, Privacy and Data Security, **Dignity Health***

*Stefania Boiocchi, Business Development Manager, **Infineon***

*Harsh Kupwade Patil, IOT Security Engineer, **LG Mobile Research***

*Kartik Natarajan, Co-Founder, **Applied Blockchain***

*Christopher Altman, Scientist, diplomat, NASA-trained commercial astronaut, Founder and Chief Scientist, **SolarCoin, Tau Zero Interstellar Spaceflight Foundation***

*Nicholas Merker, Partner, Data Security and Privacy Practice Co-chair, **Ice Miller***

*TBA, **Electric imp***

*Ian Smith, Technical Lead Project Manager, **GSM Association***

*J. Dax Hansen, Partner & Chair of Fintech and Blockchain Technology, **Perkins Coie***

## Blockchain Day, Monday October 17, 2016

*The Blockchain Leaders: How Blockchain can solve IoT Security & Privacy Issues and Transform Industries*  
*Developers: How can an IoT Security & Privacy Professional solve Roadblocks in Blockchain evolution*  
*End Users: How can End Users Companies benefit and can be at a forefront of the revolution?*

### Introducing Blockchain

**8:30-8:40** Chairman's Welcome

**8:50-9:10** Keynote 1: **What is Blockchain and Cryptocurrency? Blockchain for Enterprises**

- Mechanics of Bitcoin transaction life cycle: wallet, mining
- How secure and anonymous is Bitcoin and what determines the price?
- Horizontal applications: Smart Contracts, Automated Audit, Cyber Security, Digital Identity

**9:10-9:30** Solo Presentation 1: **How can Blockchain and IoT be mutually beneficial?**

- Solving Authentication
- Decentralized IoT
- Smart devices as independent agents – smart home, smart vehicle, industrial infrastructure

### Blockchain in Various Industries

**9:30-9:50** Solo Presentation 2: **Issuing Company Shares via Blockchain**

- How to issue company shares, securities on Blockchain

*Judd Bagley, Director of Communications, **Overstock.com** & Chief Evangelist, **t0.com***

**9:50-10:20** Panel 1: **Blockchain uses in Various Industries**

- Logistics & Supply Chain
- Life Science
- Media & Telecommunications
- Utilities, Gas & Oil
- Real Estate - Title Insurance - Co-Housing, Land Title

*Kartik Natarajan, Co-Founder, **Applied Blockchain***

*Jan Hendrik Scheufen, Head of Product, **Eris Industries***

### 10:20-11:20 Networking Coffee Break

**11:20-11:40** Solo Presentation 3: **Blockchain in Insurance Sector**

- Digital identity systems and management of personal data
- Automation of insurance products

**11:40-12:00 Solo Presentation 4: Blockchain in Banking**

- Offering services for lower costs
- New business model
- Global payments
- Altcoin

**12:00-12:40 Panel 2: Blockchain in the Financial Industry**

- Company shares and securities & Blockchain

*J. Dax Hansen, Partner & Chair of Fintech and Blockchain Technology, Perkins Coie*

**12:40-1:40 Networking Lunch Break**

**1:40-2:00 Solo Presentation 5: Blockchain in Healthcare**

- Creating a global community of care
- Temper proof ledger of medical records

**2:00- 2:20 Solo Presentation 6: Blockchain in Energy**

- Distributed electric grid
- Solar grid
- Renewable energy

*François Sonnet, Solar Energy Blockchain Advisor, ElectriCChain*

**2:20-2:40 Solo Presentation 7: Blockchain in Public Sector**

- Voting
- Crime prevention

**2:40-3:20 Panel 3: Future of Blockchain**

- Private vs. Public ledger
- Investment trends
- Costs and Benefits

*J. Dax Hansen, Partner & Chair of Fintech and Blockchain Technology, Perkins Coie*

**3:20-4:10 Networking Break**

Hosted by Blockchain Speakers & Blockchain Companies  
 Interested in hosting a roundtable discussion? Contact us!

**4:10-5:30 Roundtable Discussions – Q&A / Workshop**

*Applied Blockchain, Eris Industries, Blockchain, Blockchain, ElectriCChain, Overstock.com & t0.com*

**Networking BLOCK Party**

*Interested in being a Host/Sponsor of our Block Party ... Contact [dori.liskai@informa.com](mailto:dori.liskai@informa.com)*

**IoT Security Summit, Use Cases Tuesday, October 18, 2016**

*Use Cases, Developers, Business Leaders*

**7.30am – 8.30am Analyst Breakfast Roundtables**

Your chance to pose key questions to the industry's leading experts over coffee and croissants!

**Keynotes**

**8:40-8:50** Chairman's Welcome

**8:50-9:10 Identifying and creating solutions that better prepare for future security threats**

- Use case of developing and maintaining privacy and security

*Dr. Reginald Brothers, Under Secretary for Science and Technology, US Department of Homeland Security*

**9:10-9:30 CIO to CEO Insight: Strategic Enterprise Security Risk Management**

- Use case of developing and maintaining privacy and security
- Justifying costs & benefits and communicating effectively with the CEO
- Workforce education

*Christopher Larkin, CTO, GE Healthcare*

**9:30-9:50 Legal Perspective: Enterprise Risk Management**

- Use case of costs & benefits of investing and building secure enterprise IT

- What to consider and what to prepare for?
- Legal implications

*Austin O'Flynn, Senior Counsel for IT/IP, eCommerce, eDiscovery, Privacy and Data Security, Dignity Health*

**9:50-10:10 Examining the changing role of the Chief Information Security Officer**

- Use cases of CIOs/CISOs/CTOs implementing solutions in their organizations
- What new threats does IoT pose for CISO
- Working with data and technical teams

*Ravi Thatavarthy, CISO, iROBOT*

**10:10 – 10:30 New Business Model: Developing Corporate Strategy driven by technology, security & privacy**

- What to consider when developing strategy
- Workforce Education
- Performance & Energy Budget

**10:20-11:20 Networking Coffee Break & Exhibition Visit: Featuring Executive Speed Networking**

**End Consumer & Enterprise**

**Security & Privacy in Payments – Retail & Finance Industries**

**11:20-11:40 Privacy and Security- Artificial Intelligence & Predictive Analytics in Retail** *Reserved for Sponsor*

- How can the Retail sector utilize data collected from IoT devices whilst keeping this safe and secure?
- How to monetize data collected

**11:40-12:00 Preventing Identity Theft and in the Finance Industry** *End User Case Study*

- Best practices for using user data
- Communicating Data Use Policies and Practicing Digital Ethics

**12:00-12:40 Panel: Secure Electronic Transactions**

- Mobile & On-Line Payments

**Industrial**

**Security in Manufacturing, Supply Chain & Logistics Industries**

**11:20-11:40 Security in Smart Factories & Industrial Robotics** *Reserved for Sponsor*

- Deploying sensors, maintenance data, and analytics to keep track of factory operations
- What role are Smart Buildings playing in Manufacturing
- Examining Advancements and Adoption of Industrial Robotics

**11:40-12:00 Securing Transportation Systems in logistics** *End User Case Study*

- Ownership & Control
- Solving security and hacking concerns

<ul style="list-style-type: none"> <li>- Examining the range of applications</li> </ul>	<p><b>12:00-12:40 Panel: Understanding the huge repercussions of a breach in Industrial IoT for global manufacturing &amp; supply chain</b></p> <ul style="list-style-type: none"> <li>- Reducing OPEX/CAPEX</li> <li>- What are the costs associated? How can these be minimized/justified?</li> </ul> <p><i>Ben Rogers, Solution Engineer for Strategic Accounts, Venafi</i>  <i>May Wang, CTO, ZingBox</i></p>
<p><b>12:40-1:40 Networking Lunch Break featuring Learning Labs</b></p>	
<p><b>End Consumer &amp; Enterprise</b></p>	<p><b>Industrial</b></p>
<p><b>Security &amp; Privacy in Smart Home &amp; Connected Cars</b></p> <p><b>1:40-2:00 Smart Home Security Products &amp; Devices and monetization opportunities</b> <i>Reserved for Sponsor</i></p> <ul style="list-style-type: none"> <li>- Solutions for user privacy concerns</li> <li>- Consumer readiness</li> </ul> <p><b>2:00- 2:20 IoT Security in Connected Cars</b> <i>End User Case Study</i></p> <ul style="list-style-type: none"> <li>- Risks and benefits of over-the-air software updates in connected cars</li> <li>- Future of security in car manufacturing, shipment, ownership</li> </ul> <p><b>2:20-2:40 Developer Guide: Cybersecurity in Cars &amp; Homes</b> <i>End User Case Study</i></p> <ul style="list-style-type: none"> <li>- Where are the revenue opportunities from integrating verticals?</li> </ul> <p><b>2:40-3:20 Panel: Closing the Door to Security Threats on Long-lived Consumer Products</b></p> <ul style="list-style-type: none"> <li>- How should you structure your innovation processes to make the most from your R&amp;D programs and create systems that improve user experience?</li> </ul>	<p><b>Security in Energy, Environment &amp; Agriculture Industries</b></p> <p><b>1:40-2:00 Predictive role of Sensors in the Energy Sector</b> <i>Reserved for Sponsor</i></p> <ul style="list-style-type: none"> <li>- Opportunities to improve efficiencies</li> <li>- Looking at cost-savings and efficiencies from installing sensors in the field</li> </ul> <p><b>2:00-2:20 Examining the security risks associated with Smart Meters and Smart Grids</b></p> <ul style="list-style-type: none"> <li>- Showcasing real life examples in use today for how the IoT will make grids smarter</li> <li>- Providing real-time billing information; reducing the number of workers needed to check meters</li> </ul> <p><i>Joshua Belk, Senior Manager Cyber Security, PG&amp;E</i></p> <p><b>2:20-2:40 IoT Next generation of secure Industrial Hardware</b></p> <ul style="list-style-type: none"> <li>- How to monetize?</li> <li>- Justifying the investment and ensuring ROI</li> </ul> <p><i>Daniel Paillet, Cyber Security Lead Architect, Schneider Electric</i></p>

<ul style="list-style-type: none"> <li>- Implications for the Insurance Industry</li> </ul>	<b>2:40-3:20 Panel: Ensuring secure IoT solutions for the Energy, Utility &amp; Agriculture sector</b> <ul style="list-style-type: none"> <li>- Mining &amp; Electricity</li> <li>- Water management &amp; Connected Irrigation Systems</li> <li>- Oil &amp; Gas</li> <li>- Agriculture</li> </ul>
<b>3:20-4:10 Networking Break &amp; Exhibition Visit</b>	
End Consumer & Enterprise	Industrial
<p align="center"><b>Security &amp; Privacy in Healthcare &amp; Wearables</b></p> <p><b>4:10-4:30 Security &amp; Privacy Healthcare Reserved for Sponsor</b></p> <ul style="list-style-type: none"> <li>- Device manufacturing</li> <li>- Remote patient monitoring</li> <li>- Improving Patient Recovery and Reducing Health Care Costs with Connected Devices</li> </ul> <p><b>4:30-4:50 Solving Security &amp; Privacy threats in Wearables End User Case Study</b></p> <ul style="list-style-type: none"> <li>- Building secure hardware and ensure consumer data privacy</li> </ul> <p><b>4:50-5:30 Panel: Connectivity in Connected Healthcare and Wearables Devices</b></p> <ul style="list-style-type: none"> <li>- Using predictive models in decision support &amp; Insurance Sector</li> <li>- Protecting privacy</li> <li>- Is data privacy hindering developments for Healthcare?</li> <li>- Combating the inappropriate sharing of health information</li> </ul> <p><i>Austin O'Flynn, Senior Counsel for IT/IP, eCommerce, eDiscovery, Privacy and Data Security, Dignity Health</i></p>	<p align="center"><b>Security &amp; Privacy in Smart Cities, Transportation, Infrastructure</b></p> <p><b>4:10-4:30 Getting the Security right to create safer and more intelligent cities Reserved for Sponsor</b></p> <ul style="list-style-type: none"> <li>- Intro and Summary of Use Cases: Energy Optimization, Surveillance, Citizen Protection</li> </ul> <p><b>4:30-4:50 When the End User is the Citizen: Designing Secure IoT for the American City End User Case Study</b></p> <ul style="list-style-type: none"> <li>- Citizen trust as a security feature</li> <li>- IoT failures and successes from the City of Boston</li> <li>- Translating data into equitable action: our biggest challenge</li> </ul> <p><i>Stephen Walter, Program Director, Boston Mayor's Office of New Urban Mechanics</i></p> <p><b>4:50-5:30 Panel: Building Smarter Cities that are safe, secure and sustainable</b></p> <ul style="list-style-type: none"> <li>- Keeping Security at the forefront as cities innovate and upgrade services and transportation systems</li> <li>- Effectively managing citizen data and taking into consideration privacy issues</li> </ul>



**Networking Drinks Reception**

*Interested in being a Host/Sponsor of Networking Drinks ... Contact [dori.liszkai@informa.com](mailto:dori.liszkai@informa.com)*

**IoT Security Developer's & Strategists Wednesday, October 19, 2016**

***What and how to build next?***

**7.30am – 8.30am Analyst Breakfast Roundtables**

Your chance to pose key questions to the industry's leading experts over coffee and croissants!

**Keynotes**

**8:40-8:50** Chairman's Welcome

**8:50-9:10 Privacy preserving Deep Learning** **Reserved for Sponsor**

- What opportunities are there for IoT to combat/mitigate security breaches?
- What does the future hold and what security implications/concerns will arise as technology evolves?
- Ethics & Social Implications

**9:10-9:30 Balancing risks and benefits when building Artificial Intelligence and Machine Learning** **End User Case Study**

- What to consider with Machine Learning and AI

**9:30-9:50 Developing more secure IoT with next generation Artificial Intelligence and Machine Learning** **Reserved for Sponsor**

- Predictive Analytics
- Use case: Balancing risks and benefits of AI and machine
- What to consider when building secure IoT

**9:50-10:10 Next Generation of secure IoT - Embedded Security throughout the layers** **End User Case Study**

- How to build

**10:10 – 10:30 Simplifying PKIs** **Reserved for Sponsor**

- Blockchain based PKI
- CAs



10:20- 11:40 Networking Coffee Break & Exhibition Visit: Featuring Executive Speed Networking	
Strategic – National & Enterprise	Technical – Developer's Perspective
<p><b><u>Protocols &amp; Standardization</u></b></p> <p><b>11:40-12:00 Governing consumer protection and data for maintaining security and safety</b> <i>Reserved for Sponsor</i></p> <ul style="list-style-type: none"> <li>- Public &amp; Private Sector cooperation</li> <li>- ISO perspective</li> </ul> <p><b>11:40-12:00 Enhancing Standards for Multicore Software Development</b> <i>End User Case Study</i></p> <ul style="list-style-type: none"> <li>- What to consider?</li> </ul> <p><b>12:00-12:40 Panel: Discussing different regulations and standards and finding a suitable standards framework</b></p> <ul style="list-style-type: none"> <li>- Custom protocols &amp; Wireless protocols</li> <li>- Assessing the range of enabling technologies for IoT</li> </ul>	<p><b><u>Cloud, Network, Information Security</u></b></p> <p><b>11:40-12:00 Integration of security throughout the layers from a software perspective – Big Data and Data Analytics</b> <i>Reserved for Sponsor</i></p> <p><b>11:40-12:00 Securing APIs</b> <i>End User Case Study</i></p> <ul style="list-style-type: none"> <li>- Use case: Authentication vs. Authorization</li> <li>- Gateways</li> </ul> <p><b>12:00-12:40 Panel: Secure Cloud Ecosystem enabled IoT Development</b></p> <ul style="list-style-type: none"> <li>- New solutions</li> <li>- How to secure data storage and movement</li> <li>- Bluetooth Network</li> </ul>
12:40-1:40 Networking Lunch Break featuring Learning Lab	
Strategic	Technical
<p><b><u>Innovation for National Security</u></b></p> <p><b>1:40-2:00 Virtual Reality Security and Homeland Security</b> <i>Reserved for Sponsor</i></p> <ul style="list-style-type: none"> <li>- Exploring next generation of VR</li> </ul> <p><b>2:00-2:20 Next Generation of Drones</b> <i>Reserved for Sponsor</i></p> <ul style="list-style-type: none"> <li>- What's new?</li> </ul> <p><b>2:20-2:40 Legal perspective on Security</b> <i>End User Case Study</i></p> <ul style="list-style-type: none"> <li>- What to consider?</li> </ul>	<p><b><u>Device Security – Embedded Security</u></b></p> <p><b>1:40-2:00 New Semiconductors: Integration of security throughout the layers from a hardware perspective</b> <i>Reserved for Sponsor</i></p> <ul style="list-style-type: none"> <li>- Use case: Embedding security in the hardware, costs &amp; benefits</li> </ul> <p><b>2:00-2:20 Choosing the right platform and maintaining security integrity over long product lifecycles</b> <i>End User Case Study</i></p> <ul style="list-style-type: none"> <li>- Use case: Securing the Next-Generation Data Center with Software Defined Security</li> <li>- Building secure industrial &amp; consumer products</li> </ul>

<p><i>Nicholas Merker, Partner, Data Security and Privacy Practice Co-chair, Ice Miller</i></p> <p><b>2:40-3:20 Panel: Examining required legislation to create possibilities and ensure national security</b></p> <ul style="list-style-type: none"> <li>- What plans are in place for regulating IoT activity?</li> <li>- What are the main challenges that regulators must address?</li> <li>- Public debate</li> </ul>	<p><b>2:20-2:40 Sensor Nodes – examining the extent of hardware threats</b></p> <ul style="list-style-type: none"> <li>- Ensuring effective integration between software and hardware security technologies</li> </ul> <p><b>2:40-3:20 Panel: The next generation of embedded security</b></p> <ul style="list-style-type: none"> <li>- What's new and what's next?</li> </ul>
<p><b>3:20-4:10 Networking Break &amp; Exhibition Visit</b></p>	
<p><b>Closing Remarks</b></p> <p><b>4:10-4:30 Accelerating growth: Fluid Secure IoT Architecture</b> <b>Reserved for Sponsor</b></p> <ul style="list-style-type: none"> <li>- What to consider, how to build</li> </ul> <p><b>4:30-4:50: Value of Enterprise Bug Detection programs - Cybersecurity and Reverse Engineering</b> <b>End User Case Study</b></p> <ul style="list-style-type: none"> <li>- Value of vulnerability reward programs</li> <li>- Social engineering</li> </ul> <p><b>4:50-5:30 Investor Panel: Future of Investment Opportunities</b></p> <ul style="list-style-type: none"> <li>- Overview of investment landscape</li> </ul>	
<p><b>End of IoT Security 2016</b></p>	