



## SECURITY AND PRIVACY FOR THE INTERNET OF MEDICAL THINGS

# Agenda • Tuesday • May 23, 2017

**08:00**      **Welcome**

### **SESSION 1: Regulatory Aspects**

**08:05**      **FDA: What's the Latest on Regulation of Medical Devices**

William Maisel, MD, MPH  
U.S. Food and Drug Administration  
Silver Spring, Maryland

**08:30**      **Update on DTSec: The First Consensus Cybersecurity Standard for a Medical Device with Security and Assurance Requirements**

David Kleidermacher  
Chief Security Officer  
BlackBerry Limited, Santa Barbara, California

Bill Ash  
Strategic Technology Program Director  
IEEE Standards Association, New York, New York

Laura Elan  
Senior Cyber-security Analyst  
UL, Northbrook, Illinois

Ken Hoyme  
Co-chair, AAMI Device Security Working Group  
AAMI, Arlington, Virginia

Dirk-Jan Out  
CEO, Brightsight  
Delft, the Netherlands

**09:35**      **Break**

**09:55**      **Enforcement of Cybersecurity Law**

Ryan Pardee  
Supervisory Special Agent, Cyber Fusion Cell  
Federal Bureau of Investigation, San Francisco, California



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**10:20**      **Legal Issues Around Cybersecurity**  
Jeremy Feigelson  
Partner  
Debevoise & Plimpton, LLP, Washington, D.C.

**10:45**      **Build Secure Devices Faster, or Else...**  
Mike Ahmadi, CISSP  
Global Director  
Synopsis Inc., San Francisco, California

Billy Rios  
Founder  
WhiteScope, Half Moon Bay, California

**11:35**      **Panel Discussion**  
*Moderator:*  
David C. Klonoff, M.D., FACP, FRCP (Edin), Fellow AIMBE  
President  
Diabetes Technology Society, Burlingame, California

**12:20**      **Lunch**

### **SESSION 2: Medical Device System Design**

**13:20**      **Secure by Design – Considerations When Designing and Implementing Mobile Apps and Wearables as Medical Devices**  
Timothy Beck  
Director Research & Development  
Roche Diagnostics, Indianapolis, Indiana

**13:45**      **Designing a Secure System with Parts from Another Manufacturer**  
Aiman Abdel-Malek, PhD  
Senior VP, Adv. Technology & Engineering  
Insulet Corporation, San Diego, California

**14:10**      **Cybersecurity Insurance for Medical Device Manufacturers and Hospitals**  
Christopher Keegan  
Senior Managing Director  
Beecher Carlson, New York, New York



DIABETES TECHNOLOGY SOCIETY

# MEDSec

Embedded COMPUTING  
DESIGN



**DARKTRACE**



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- 14:35**      **Panel Discussion**  
*Moderator:*  
David Kleidermacher  
Chief Security Officer  
BlackBerry Limited, Santa Barbara, California
- 15:00**      **Break**
- 15:20**      **The Next Frontier in Medical Device Security**  
Denise Anderson  
President  
National Health Information Sharing & Analysis Center (NH-ISAC)  
Kennedy Space Center, Florida
- 15:45**      **Demonstration of a Computer-enabled Artificial Immune System: A Constantly Learning Monitor of Hospital Security Events**  
Jon Hagar  
Consultant  
Grand Software Testing, LLC  
Hot Sulphur Springs, Colorado
- 16:10**      **The Internet of Medical Things: Medical Grade Matters!**  
James Mault, MD, FACS  
VP & Chief Medical Officer  
Qualcomm Life, San Diego, California
- 16:35**      **Panel Discussion**  
*Moderator:*  
David Kleidermacher  
Chief Security Officer  
BlackBerry Limited, Santa Barbara, California
- 17:00**      **Social Hour**  
Siskyou Room
- 18:00**      **Adjourn**



## SECURITY AND PRIVACY FOR THE INTERNET OF MEDICAL THINGS

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**08:00**      **Summary of First Day**

### **SESSION 3: Security in the Cloud**

**08:05**      **The Story of the Animas Pump – Coordinated Disclosure: A Security Researcher Perspective**

Jay Radcliffe  
Senior Security Consultant  
Rapid7, Boise, Idaho

**08:30**      **A Dystopian RF World**

Alex Iliadis  
Lead Software Architect  
MedSec Ltd., Miami, Florida

Justine Bone  
Chief Executive Officer  
MedSec Ltd., Miami, Florida

**08:50**      **Ethical and Legal Issues Regarding Disclosure**

Marcia Hofmann  
Founder and Principal  
Zeitgeist Law PC, San Francisco, California

**09:05**      **Considerations for Safety Critical Systems**

Joshua Corman  
I Am The Cavalry  
Dover, New Hampshire

**09:15**      **Panel Discussion**

*Moderator:*  
Joshua Corman  
I Am The Cavalry  
Dover, New Hampshire

**09:30**      **Break**

**09:50**      **Securing Linux Systems in the Internet of Things: Four Essential Steps for Ongoing Threat Mitigation**

Kamal Desai  
Product Management  
Wind River, Alameda, California



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### 10:15 **A Platform Approach to Securing your Medical Devices**

Mark Schaeffer  
Software Marketing Manager for Cybersecurity  
Renesas Electronics America, Santa Clara, California.

Kaushal Vora  
Global Segment Lead for Healthcare  
Renesas Electronics America, Santa Clara, California

### 10:40 **Leveraging Dynamic Testing For Ensuring The Security Of Medical Devices**

Jeffrey Fortin  
Head of Product Management  
Vector Software, Inc., East Greenwich, Rhode Island

### 11:05 **Trust Management from Node to Cloud**

Majid Bemanian  
Director of Marketing  
Imagination Technologies, Santa Clara, California

### 11:30 **Panel Discussion**

*Moderator:*  
Rich Nass  
Executive Vice President  
Embedded Computing Design

### 11:55 **Lunch**

## **SESSION 4: Hospital Cybersecurity**

### 12:55 **Use Case Scenario; What NIST Is Doing?**

Gavin O'Brien  
Computer Scientist  
NIST/NCCoE, Rockville, Maryland

### 13:20 **Threats to Hospitals**

Patrick Phelan  
Information Security Officer  
University of California, San Francisco  
San Francisco, California



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- 13:45**      **The Evolving Medical Device Ecosystem**
- Penny Chase  
IT and Cybersecurity Integrator, Information Technology Center  
The MITRE Corporation, Bedford, Massachusetts
- Margie Zuk  
Senior Principal Cyber Security Engineer  
The MITRE Corporation, Bedford, Massachusetts
- 14:10**      **Leveraging COTS Smartphone Security Technology for Healthcare**
- Rusti Baker  
ARM, San Jose, California
- 14:35**      **Panel Discussion**
- 15:00**      **Break**
- 15:20**      **Specific Steps for Assuring Hospital Device Cybersecurity**
- Christine Sublett  
Sublett Consulting, LLC, San Mateo, California
- 15:45**      **Ransomware Prevention in Hospitals**
- Matthew Mellen  
Security Architect, Healthcare  
Palo Alto Networks, Santa Clara, California
- 16:10**      **Healthcare Cybersecurity is in Critical Condition**
- Joshua Corman  
I Am The Cavalry  
Dover, New Hampshire
- 16:35**      **Panel Discussion**
- Moderator:*  
Christine Sublett  
Sublett Consulting, LLC, San Mateo, California
- 17:00**      **Adjourn**