

## Summit on IoT at RWW2018 - Agenda and Schedule

### Sunday, January 14th, 2018

01:00pm-01:10pm - Welcome and Introductions, Adam Drobot

01:10pm-02:10pm - An Overview and Introduction to IoT

- **An overview of IoT and the role of Connectivity and Communications**
  - Adam Drobot, Chairman, OpenTechWorks, Inc.
- **Why we will always have Infinite Spectrum**
  - Marty Cooper, Chairman and Co-Founder, Dyna LLC

02:10pm-03:10pm - Application driven requirements for wireless connectivity

- **Electronic Design Automation of IoT**
  - Michael Thompson, RF Solutions Architect, Cadence Design Systems
- **Wireless Connectivity for Industrial Systems: Applications, Technologies and Challenges**
  - Dave Cavalcanti, Sr. Staff Research Scientist, Intel Corporation,

03:10pm-3:40pm – Coffee Break (Grand Ballroom Foyer)

03:40pm-4:40pm - Application driven requirements for wireless connectivity

- **Towards a Zero Delay Supply Chain**
  - Giby Raphael, Director of Logistics and Asset Management Segment - IoT, Intel
  - Jim Sauerwein, Engineering Fellow – Honeywell International
- **Product Challenges for Retrofitting the World using Wireless**
  - Lee Vishloff, Principle Engineer, Tech-Knows Services Inc.

04:40pm-05:40pm - Interactive Panel Discussion on Wireless Options for IoT  
(Wireless standards and protocols for: personal, local, wide area, regional and national, and global coverage)

## Monday, January 15th, 2018

08:30am-08:40am - Overview of the day – Adam Drobot

08:40am-9:40am - Opportunities and Challenges for Wireless System Physical-Layer Design and Performance for IoT - Hierarchy and Heterogeneity

- **5G Wireless Communication focusing on IoT: Enabler for 4th Generation Industrial Revolutions**
  - Byung K. Yi, Executive Vice President and Chief Technology Officer, Interdigital, Inc.
- **Backscatter Communications**
  - Nuno Borges Carvalho, Full Professor and a Senior Research Scientist, Institute of Telecommunications, University of Aveiro

09:40am-10:10am – Coffee Break (Grand Ballroom Foyer)

10:10am-11:10am - Opportunities and Challenges for Wireless System Physical-Layer Design and Performance for IoT - Hierarchy and Heterogeneity

- **Autonomous Vehicle Systems and the Connected Future**
  - Sergio Palma Pacheco, PhD, Systems and Applications Manager, NXP Semiconductors
- **High Spectral Efficiencies Designs**
  - Eric Rebeiz, Director of Wireless Technology, Tarana Wireless Inc.

11:10am-12:40pm - Wireless Connectivity Architectures, Protocols and Signal Processing Approaches for IoT

- **Advances in Satellite Communication Technologies Suitable for Internet of Things Applications**
  - Lin-Nan Lee, Vice President of Engineering, Hughes
- **High Performance Microwave Filters for the 5G and Internet of Space**
  - Ming Yu, Professor, The Chinese University of Hong Kong
- **Relevance of Electromagnetics in Wireless System Design**
  - Tapan K. Sarkar, Professor, Syracuse University

12:40pm-1:40pm – Lunch

01:40pm- 03:10pm – Enabling Technologies and Platforms

- **Aircraft Based Platforms and Services**
  - John Borghese, Vice President, Advanced Technology Center, Rockwell Collins
- **Enhancing ubiquitous communications: the Micro-Satellite challenge**
  - Luciano Boglione, Researcher, Naval Research Laboratory
- **Internet of Things (IoT) from Satellites, Now and the Future**
  - Eric G. Butte, Chief Technology Officer, Helios Wire IoT

03:10pm-03:40pm - Coffee Break (Exhibit Hall)

03:40pm- 04:00pm – Enabling Technologies and Platforms

- **Spectrum Efficiency and Spectrum Sharing**
  - Keith Gremban, Director of the Institute for Telecommunication Sciences (ITS), National Telecommunications and Information Administration (NTIA)

04:00pm - 05:00pm - Interactive Roundtable Discussion on Next Steps  
Topical WG on IoT Connectivity and Communications

05:00pm - 05:30pm - Summit Wrap-up and Summary, Adam Drobot