Internet of Things North America 2017

Chicago, Illinois, USA 29 - 30 March 2017

ISBN: 978-1-5108-4536-7

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2017) by Webcom Communications All rights reserved.

Printed by Curran Associates, Inc. (2017)

For permission requests, please contact Webcom Communications at the address below.

Webcom Communications 7355 E. Orchard Road, Suite 100 Greenwood Village, Colorado 80111

Phone: 800-803-9488 Fax: 720-528-3771

general@webcomcommunications.com

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA

Phone: 845-758-0400 Fax: 845-758-2633

Email: curran@proceedings.com Web: www.proceedings.com

Presentations

Getting Started on an IoT Journey1
Maciej Kranz, Vice President, Corporate Strategic Innovation Group – Cisco Systems
2020: Life with 50 Billion Connected Devices15
Gary Davis, Chief Consumer Security Evangelist - Intel Security
IoT: A Great Opportunity, but Security Issues Hinder Adoption25
Neil Strother, Principal Research Analyst - Navigant Research
The Role of the First Receiver in a Maturing IoT Market39
Don DeLoach, CEO and President – Infobright
Protecting Industrial Internet of Things Endpoints58
Marcellus Buchheit, President and CEO – Wibu-Systems USA
Making Rocks with HOT78
Mike Fahrion, VP of IoT Technolgies – Advantech B+B SmartWorx
Securing the IoT in a World of Imperfect Humans91
Barclay R. Brown, Ph.D., ESEP, Global Solution Executive – IBM Watson IoT
Connecting Humans to the Industrial Internet of Things100
Ed Nugent, Chief Operating Officer – PcVue Inc.
Crypto Strategies for IoT Devices112
Tom Mihm – Redwall Technologies
Lets Look At The State Of Things Today And Where It Is Going122
Israel Alguindigue, Senior Vice President – Industrial Analytics Practice - Uptake
Hardware vs. Software security – What is Right for my IoT Device134
Alan Grau, President and Co-Founder – Icon Labs
How the Third Wave of Internet Evolution Will Affect Manufacturing Automation
Systems143
John Rinaldi, Chief Strategist and CEO – Real Time Automation
Solving the Really Big Tech Problems with IoT – Data Security and Privacy156
Reiner Kappenberger, Global Product Management - HPE Security
Agriculture Evolving: Precision Ag164
Kevin Hendress, Technology Architect - Deere & Company
IoT and the Evolution of the Connected Jobsite (Not Available)
Wes Bodenhamer, Strategic Business Manager, IoT & Connected Products
Robert Bosch Tool Corp.
Connecting the Unconnected: Hardware Pitfalls to Avoid176
Alan J. Mindlin, Technical Manager - The Morey Corporation
Sensor-2-Server: Execute Locally, Communicate Globally192
Michelle Marceny, Sr. Product Line Manager - FreeWave Technologies
Connecting the Industrial IoT199
Sam Colley, CEO – Podsystem, Inc.
How HoT has Changed the Current Industrial Landscape209
Chad Dirks, Engagement Director – Softweb Solutions
Internet of Things in Motion235
Kevin Nichter, Vice President of North America – LILEE Systems
Making Value Chains Smarter: Impacting Performance with IoT and Big
Data244

Maha Muzumdar, VP, Industry Transformation, Cloud Business Group – Oracle
Margie Steele, Master Principal Consultant, Supply Chain & ERP – Oracle
C. Prasanna Venkatesan, Director, Digital/IoT, Industry Solutions Group – Oracle
Making IoT Smarter with Artificial Intelligence (Not Available)
Jeanine Jue – Software Engineer, Developer Evangelist – Samsung ARTIK Cloud
Start Building Practical Field-to-Enterprise IoT Connectivity253
Thomas Burke, President – OPC Foundation
Building Smart Communities with Open Standards IoT273
Bob Heile, Director of Standards – Wi-SUN Alliance
The Rise of the Machine – is Skynet Closer Than Ever?286
Steve Poole, Lead Engineer, Cloud and Development Platforms – IBM
Luc Desrosiers, Certified IT Architect – IBM
Monetization of IoT – New Business Models Bring new Challenges334
Colin Chong, Head of Product – AppDirect
AI Testing for Today's IoT Digital Ecosystem346
David Bolton, Digital Experience Analyst – Applause
Predictive and Dynamically Adaptive Solution for Cost Effective IoT
Connectivity362
Padma Sudarsan, Director and Domain Leader, Mobile Network Chief Technology
Office – Nokia
Subhasis Laha, Director and Domain Leader, Mobile Networks Chief Technology Office
– Nokia
Chasing Changing IoT Standards Without a Crystal Ball371
Oliver Cockcroft, Product Architect - Ayla Networks
Control4 – IOT North America379
Paul Williams, Vice President of Solutions – Control4
G.hn Meets Growing IoT Data Demands by Providing a Secure, High-performing,
Reliable and Ubiquitous Network Backbone389
Thomas Starr, Board Member – HomeGrid Forum
Artificial Intelligence-Based Data Product for B2B HoT Applications401
Raul Valdes-Perez, PhD, CEO and Co-Founder – OnlyBoth
IoT Adoption and Security Accountability in the Smart Home412
Jon Clay, Sr. Manger Global Threat Communications - Trend Micro
Machine and Device Connectivity427
Dave Bennett, Director of Global IoT Sales – WindRiver
Home 2.0: The Impact of Home Assistants on the Connected Smart Home
Landscape440
Mesut Eraslan, Senior Director of Design and Engineering – Flex