

Topic: Virtual Conference sponsored by Sensei/IoT\*  
 Date: Wednesday, April 9, 2014  
 Time: 9:00 am, Eastern Daylight Time (NYC, GMT-04:00)



**IoT Day 2014 - USA  
Virtual Conference**

Time (EDT)	April 9, 2014 (Wednesday)	Speaker
09:00 - 09:10	<b>Welcome</b>	<b>William J. Miller (MaCT)</b>
09:10 - 09:30	<b>Challenges Facing IoT</b>	<b>Craig Harmon – QED Systems</b>
09:30 - 09:50	<b>Cyber-Physical Systems &amp; SmartAmerica Challenge</b>	<b>Dr. Sokwoo Rhee – The White House</b>
09:50 - 10:10	<b>NIST Cloud Computing Forensics Science WG</b>	<b>Dr. Martin Herman - NIST</b>
10:10 - 10:30	<b>Using Open Distributed Protocol to unleash the Business Potential of IoT</b>	<b>Joachim Lindborg SUST (Sweden)</b>
10:30 – 10:50	<b>Connected Things to IoT &amp; Telecoms new potential role</b>	<b>Toomas Kraner – Elion (TeliaSonera ops Estonia)</b>
10:50 - 11:00	<b>BREAK</b>	<b>BREAK</b>
11:00 - 11:20	<b>Abstract Unified Communications Architecture</b>	<b>Rikard Strid – Clayster AB</b>
11:20 – 11:40	<b>Challenges of Ubiquitous Computing</b>	<b>Dr. Eswaran Subrahmanian - CMU</b>
11:40 - 12:00	<b>Big Data from a Telecom Prospective</b>	<b>Sanjay Mishra – Verizon</b>
12:00 - 12:10	<b>Closing</b>	<b>William J. Miller (MaCT)</b>

**Agenda – April 9, 2014 1300 UTC**

1. Please register for the webinar at:

<https://attendee.gotowebinar.com/register/6619183502009394177>

If you have questions during the webinar, please provide them in the chat window to host.

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2. Use your microphone and speakers (VoIP) - a headset is recommended. Or, call in using your telephone. Please note that the audio is on mute by default.

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## SPEAKERS

**William J. Miller (Host)** – President/CEO of Maximum Control Technologies (MaCT), a MILLER W J & ASSOCIATES Company, which provides consulting and systems integration services internationally with offices in the United States, Canada, and Hong Kong. He is a graduate of Pennsylvania State University with a degree in Electrical Engineering and Telecommunications. He has designed, managed, and installed numerous Cyber Physical Systems for power, paper, chemical, and cement industry with over 35 years of experience. He was chairman for IEEE P2030 TF3 SG2 for Interoperability of the Smart Grid, now chairman of the joint ISO/IEC/IEEE P21451-1-4 (Sensei/IoT\*) Smart Transducers XMPP Interface working group for Sensors, Actuators, and Networked Devices use of eXtensible Markup and Presence Protocol (XMPP) which is the first draft Semantic Web 3.0 standard for the Internet of Things (IoT). He is also co-chair of ISA100.20 Common Network Management Working Group; and the NIST Big Data Working Group. He is an invited speaker in numerous IoT, sensor, security and wireless conferences.

**Craig K. Harmon** - is the President and CEO of Q.E.D. Systems. With over 30 years of proven experience in the information systems industry he is one of the leading experts on data collection and communications standardization in the world. He is the author of four books on data collection technology, including *Reading Between The Lines* and *Lines of Communications*. He provides the content for the web sites "autoid.org" and "qed.org". He founded JTC 1/SC 31 and the RFID Experts Group (REG), serves as chair of Accredited Standards Committee (ASC) MH 10 (Material Handling) and U.S. TAG to ISO TC 122 (Packaging), and leads the new ISO/TC 122 working group, WG 12, *Supply chain applications of logistics technology*. He serves as a liaison officer to IATA, ISO TC 104 (Freight containers), TC 122 (Packaging), TC 204 (Intelligent transport systems), TC 247 (Fraud and anti-counterfeiting), JTC 1/SC 31, JTC 1/WG 7 (Sensor networks), ITU-R, ITU-T, OGC, 3GPP, IETF, XSF, and ETSI. He is managing the development and maintenance of the multi-lingual international vocabulary standard on bar codes, 2D symbols, RFID, RTLS, and sensors. He leads multiple independent efforts on the Internet of Things. He serves as an advisor to end-users and technology providers in the development of international, national, industry, and corporate standards. He has served several times as an expert witness on automatic identification technologies in patent litigation. He holds a Business Degree in Economics and International Trade from the University of Iowa and is the recipient of the 2004 Richard Dilling Award.

**Dr. Sokwoo Rhee** - is a Presidential Innovation Fellow working on cyber-physical systems. He co-leads the SmartAmerica Challenge, which brings together and interconnects cyber-physical systems and "Internet of Things" technologies and testbeds across the nation. He is an entrepreneur and executive whose expertise includes wireless networks, medical devices, energy management, sensors, and motion control in commercial, industrial, and military applications. His company, Millennial Net, Inc., was one of the first to successfully commercialize low-power wireless mesh/sensor network and Internet of Things technology from academia. Prior to the founding of Millennial Net, he worked on wireless medical sensors as a research associate at MIT. His work and achievements have been recognized through awards including MIT Technology Review's Top Innovators under 35. He received his MS and PhD in Mechanical Engineering from MIT.

**Dr. Herman Martin** - is Senior Advisor for Forensics and IT in the Information Technology Laboratory, National Institute of Standards and Technology (NIST). He is responsible for coordinating and expanding a comprehensive program that applies innovations in computer science, math and statistics to advance measurements and standards for forensic sciences. He also co-leads the NIST Cloud Computing Forensic Science program. Previously, he was Chief of the Information Access Division at NIST, where he was responsible for the Division's program in research, measurements, testing, and standards in information access technologies, including biometrics, speech processing and human language technologies, multimedia information access, information retrieval, image and video processing technologies, visualization and usability testing, human-computer interfaces, and smart spaces. He received a Ph.D. in computer science from the University of Maryland.

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**Joachim Lindborg** - CTO/Sustainable Innovations AB, Sweden is an IT specialist making systems cooperate to enhance values and create new services. Likes innovative thinking and the next Internet of Things wave. Creating a better world through smarter technologies. Dedicated to innovative technologies around energy efficiency, visualizations and smart energy usage and the emerging technologies for advanced energy control both in private and in commercial with the drive towards smart customers on a global market. He is a XMPP Standards Foundation Member. Joachim has since the last millennium worked with connected devices to do energy efficiency solutions. Organizer of the evening and project leader of Intelligent Energy Services.

**Toomas Kraner** – Business Manager for Home Control within Elion (TeliaSonera operations in Estonia)

**Rikard Strid** – CEO and Founder of Clayster AB, New York City, Internet Evangelist

**Dr. Eswaran Subrahmanian** - is a Research Professor at the ICES and EPP at Carnegie Mellon University and Guest Researcher at the National Institute of Standards and Technology, USA. He is also a Visiting Honorary Professor at the International Institute of Information Technology, Bangalore. He was the Chief Scientist at the Center for Study of Science, Technology and Policy (India, 2008- 2011). He has held visiting professorships at the Faculty of Technology and Policy Management at TU-Delft (Netherlands), the University of Lyon II; and the National Institute of Standards and Technology. His research is in the areas of Socio-technical systems design, Decision support systems, Engineering informatics, Design theory and methods, and engineering design education. He has worked on using ethnographic methods in designing design processes and collaborative work support systems with Westinghouse, ABB, Alcoa, Bombardier, Boeing, and Robert Bosch. He has been a consultant to a number of organizations including ABB, Bosch, Lytix, and the World Bank, and is a founding member of a Bangalore-based non-profit simulation and gaming startup called Fields of View. He has published extensively in a number of disciplines and 3 co-edited books on Empirical Studies in Engineering Design, Knowledge Management, and Design Engineering, and a co-authored book on ICT for Development. He has edited three special issues including those on Engineering Informatics, Annotation in engineering design and Design Theory. He was awarded the Steven Fennes Award for contributions to Systems Engineering at CMU. He is a member of the Design Society, Distinguished Scientist of the ACM and was elected a Fellow of the American Association of Advancement of Science in 2008.

**Sanjay Mishra** - is a Distinguished Member of the Technical Staff at Verizon Communication with over 23 years of professional experience in the Telecommunications industry. Expertise in Systems development for Telecommunications Networks and Network Systems Architecture supporting enterprise and public networks for delivering video, IP and Voice services. Provide leadership and contributions toward the development of industry standards and technology solutions related to wireline services with focus on the development of industry standards for cloud and virtualization services, cloud-based networks, web-based media and communications and content delivered over web-based networks. This includes service-oriented networks, application development and over-the-top services.

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<http://www.sensei-iot.org>, <http://www.iotday.org>, <http://www.iotlive.org>