

# Ontology Summit 2015

# Internet of Things

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TOWARD SMART NETWORKED SYSTEMS  
AND SOCIETIES

TRACK D: RELATED STANDARDS & SYNERGIES FOR EMERGING IOT ONTOLOGIES

# Track D Invitees

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William Miller, Chair ISO/IEC/IEEE 21451-1-4 (accepted)

Mark Hamilton, RTI Sr. Director of Services

Chuck Evanhoe, Chairman, IoT-SG, US Technical Advisors Group for ISO/IEC JTC 1/WG 10 – IoT Working Group

Dave Ragget, W3C Web of Things (Funding source: EU Compose project)

Roberto Minerva, Telecom Italia (IEEE, [iot.ieee.org](http://iot.ieee.org))

Raphael Cohn (Oasis MQTT Chair)

ZigBee (Gary Audin)

# Questions & Topics

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What are cross-cutting abstractions?

- Status of connectivity
- Discovery
- Calibration, measurement, resolution (from 2015 Summit)

What's new vs. legacy from embedded & pervasive computing?

# Misc Resources

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Web of Things [Meeting Report](#) (June 2014)

SeeControl (Cloud IoT)

[Automated Buildings](#) columnists

# Keynoter Candidates

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[Roberto Minerva](#) (IEEE IoT)

[Joseph Bradley](#) (Cisco IoE Evangelist and VP)

William Sennett, Alex Wahl (?) (IBM Watson)

[Rex St. John](#) (Intel IoT Evangelist)

Carla Diana ([Ted Talk](#))

Richard McElhinney [Project Haystack](#)

# Standards Orgs & Initiatives

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W3C – Web of Things [Community Group](#)

IEEE

[ECHONET Consortium](#) (home appliances, LITE [spec](#), [cert equip](#))

[Wi-SUN](#) Wireless smart utility networks

[Share-PSI 2.0](#) Thematic Network (EU Open Data initiatives)

[ZigBee Alliance](#) (IEEE 802.15)

Oasis [Message Queuing Telemetry Transport](#) (IBM, Cisco, Red Hat, Tibco, Facebook)

[AllJoyn](#)

ISO/[IEEE 11073](#) Health Informatics Devices

Project Haystack

# De Facto Standards and Influences

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Intel Edison Embedded Processor, HDMI Stick Computer

[Activity Streams](#) ([Slides](#) by C. Messina @Google)

Alliance for Wireless Power ([Rezence](#))

ZigBee Ontology ([Chien et al., 2013](#))

# Related Standards & Groups

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Spatial Data (GeoSPARQL, NeoGeo, ISA Locn)

Time Ontology (reference?)

IEEE TC's: Smart Cities, Big Data, Cybersecurity, [IoT](#) Communities



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