Ontology Summit 2015
Internet of Things
TOWARD SMART NETWORKED SYSTEMS AND SOCIETIES
TRACK D: RELATED STANDARDS & SYNERGIES FOR EMERGING IOT ONTOLOGIES
Track D Invitees

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

Mark Hamilton, RTI Sr. Director of Services


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

Roberto Minerva, Telecom Italia (IEEE, iot.ieee.org)

Raphael Cohn (Oasis MQTT Chair)

ZigBee (Gary Audin)
Questions & Topics

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

Web of Things Meeting Report (June 2014)

SeeControl (Cloud IoT)

Automated Buildings columnists
Keynoter Candidates

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

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

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

Spatial Data (GeoSPARQL, NeoGeo, ISA Locn)

Time Ontology (reference?)

IEEE TC’s: Smart Cities, Big Data, Cybersecurity, IoT Communities
Phil Archer phila@w3.org