



Agenda

Overview of IoT and IEEE activities to-date

IEEE's Uniqueness

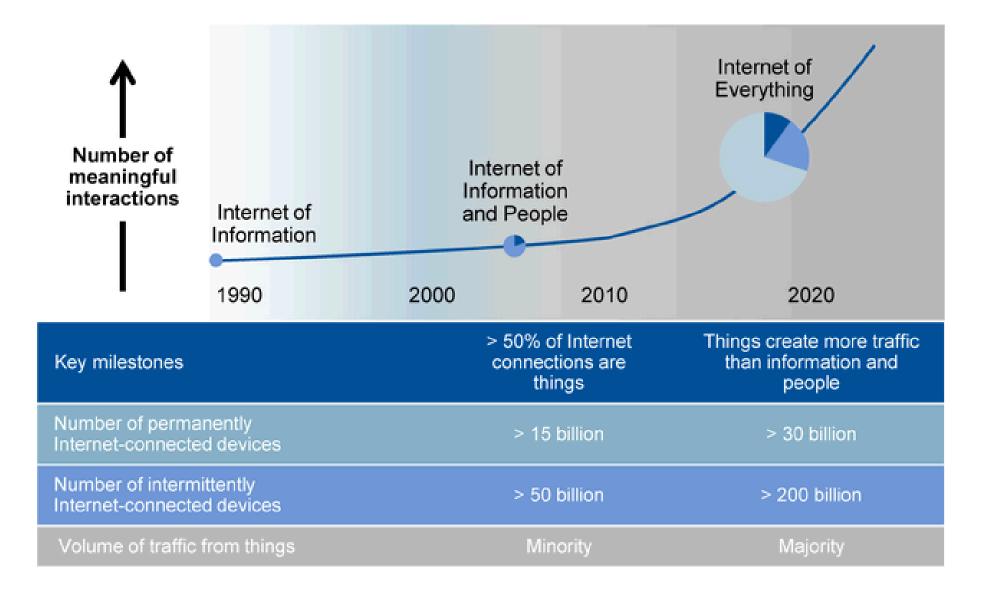
Focus Areas and Call to action

IoT concept

Enable things to be connected anytime, anyplace, with anything and anyone ideally using any path/network and any service.



Connected! All the time! Everywhere!



Source: Gartner, Sept 2011





IEEE Activities To-Date

- IEEE-SA has been looking at IoT since Q4 2011
- In Q4 2012, an IoT Strategy Group was formed under the IEEE CAG (Corporate Advisory Group)
 - to establish industry collaboration
 - to deliver IoT solutions to the marketplace
 - to leverage IEEE strengths
- IEEE has held a number of industry activities on IoT around the world
 - Workshops
 - Roundtables
 - Panels
 - Website
- Sponsors have been contacted to inform and request participation
 - March 7th 2013 requesting feedback on IEEE-SA standards that have IoT relevance
 - May 15th 2013 announcing the focus groups and requesting member participation
 - Information forwarded to 802.3, 802.11 and perhaps others



Example IEEE-SA Industry Activities

- Panel at South by Southwest 2013
 - Digital Telepathy- Where everything connects
- Leading a series of workshops worldwide that will identify gaps and requirements to assist in developing industry IoT strategies and programs
 - June 2012: joint workshop with CCSA
 - Beijing, China ½ day workshop on afternoon of 5 June
 - November 2012: full-day workshop Milan, Italy
 - April 2013: full-day workshop Shenzhen, China
 - Fall 2013: multi-day event West Coast USA
- Roundtable in Seoul May 2013 collocated with IEEE-SA BoG

To identify collaboration opportunities and standardization gaps related to

To help industry foster the growth of IoT markets

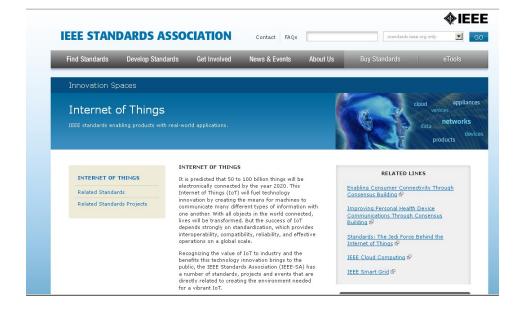
To leverage
IEEE's value
and platform
for IoT
industry-wide
consensus
development

To help industry with the creation of a vibrant IoT ecosystem



SA IoT on the web

- Creation of SA IoT website
 - http://standards.ieee.org/innova te/iot/
 - Includes lists of IoT-related standards and projects (over 135)
 - Links to related areas
 - Links to relevant articles
 - Links to past and present workshops
- Hub of SA IoT information as work expands







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Focus Areas and Call to action

IEEE's Uniqueness

- Value proposition
 - Marrying a **technology** and **business** approach
- IEEE's Technology Strength
 - Over 40 technical societies
 - Societies span infrastructure, sensor and consumer technologies
 - Standards become nexus for bridging and integrating technology
 - Over 90 standards sponsors
- IEEE's Business Strength
 - Focus is to develop requirements and disseminate across the IEEE-SA
 - IEEE-SA CAG focuses on industry interests in the IEEE-SA
 - Leverage and organically evolve IEEE's standards core competencies
 - May include partnering with other organizations to develop requirements





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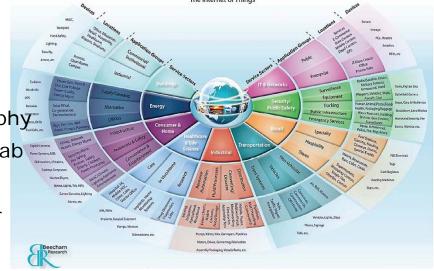
Focus Areas



Internet of

Energy

- Paradigm shift in approaching standards
 - Look at the "challenge" top-down
- Initial phase to focus on 3 areas
 - Medical, M2M and IoE
 - Focus is answering strategy questions
- 3 Teams of industry experts are being formed
- Leadership
 - Steering Chair: Dennis Brophy
 - M2M Lead: Wael William Diab
 - IoE Lead: Oleg Logvinov
 - Medical Lead: Paul Schluter



Focus Group Deliverables

- Goal is to answer questions similar to these to understand where we would like to go
 - Name of vertical
 - What exists today in terms of relevant standard
 - Inside IEE
 - Outside IFFF
 - What are the IoT requirements for this vertical
 - What are the gaps in IEEE to implement those requirements?
 - What is the vision (plan, timeline, type of documents) to achieve those requirements?
 - Annex of related material
 - Who participated in this and from what Sponsor (if applicable)
- Contribution driven organization
 - If you are interested, please join and contribute



Call to Action

- IEEE-SA CAG IoT Strategy Group is building out the 3 teams of experts for M2M, IoE and Medical
- Encourage any experts from 802 to join and participate in those teams!
 - Open to all!
 - Including non-IEEE / IEEE-SA members





IEEE-SA IoT M2M Update and Reflector

- Reflector has been recently created
- Web area has been recently created
- To subscribe
 - Subscribe to IEEE listsery list IOT-M2M
 - http://grouper.ieee.org/groups/iot/m2m/reflector.html
- Will hold first telecon this quarter

Contacts

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 - Wael William Diab at <u>wdiab@broadcom.com</u>
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 - Dennis Brophy at <u>dennis_brophy@mentor.com</u>



THANK YOU