Web of Things F2F
Open Day

Hosted by UQAM
11 April 2016
Montreal
What is the Web of Things?

- Web interoperability layer across different IoT technologies and standards
- Intended to drive rapid growth in similar way to the Web and IP before it
It is all about “Things”

Applications act on software objects that stand for things
- Local “things”
- Remote “things”

Rich descriptions for every “thing”
- Data models, semantics, metadata
- Ontologies that describe “things”

Things don’t need to be connected
- Abstract entities and unconnected physical objects
Many potential application areas

- Smart Homes
- Wearables
- Healthcare
- Power & Environment
- Smart Cities
- Manufacturing
Web of Things Interest Group

Workshop in Berlin (June 2014)
- Launch of Web of Things IG in 2015
  Chaired by Jörg Heuer, Siemens
- Task forces
  - Thing descriptions
  - APIs and protocols
  - Discovery and provisioning
  - Security, privacy and resilience
  - Communications and collaboration

Strong emphasis on hands on implementation experience
- Demos and plug-fests
- Current practices cookbook

Preparing charter for Working Group
- Focus on areas that are ready for standardization
- Expect to launch in 2016

Face to face meetings
- Past:
  - Munich, Sunnyvale, Sapporo, Sophia Antipolis
- Now
  - Montreal hosted by UQAM
- Future
  - Beijing, China (July 2016); Lisbon, Portugal (September 2016)

Liaisons with industry alliances and SDOs to drive convergence
- Joint meetings with IRTF Thing to Thing Research Group
- Cross participation in Industry 4.0
- Recent participation joint meeting with the OCF
- IAB Semantic Interop workshop
- Joint white paper on semantic interoperability with IEEE P2413, oneM2M, Ontology Summit etc.
Four days of discussion

• Monday 11\textsuperscript{th} April – Open Day and Plugfest
  • 9am – 7pm, followed by social dinner at 7:30pm
• Tuesday 12\textsuperscript{th} April – Interest Group topics
  • 9am – 6pm
• Wednesday 13\textsuperscript{th} April – Interest Group topics
  • 9am – 4pm
• Thursday 14\textsuperscript{th} April – W3C Track at WWW’2016
  • Web of Things session 2pm – 5:30pm
Today’s Agenda

• 9:00 welcome
• 9:30 contributions
  • Soumya Kanti Datta (EURECOM): IoT Application Development using Semantic Web Technologies
  • Valentin Markus Josef Heun of MIT: Reality Editor project
• 10:30 coffee break
• 11:00 contributions
  • Joao Sousa (Bosch): BEZIRK Platform
  • Dave Raggett: implementation work on web of things servers and gateways
  • Takuki Kamiya & Daniel Peintner: EXI and WoT (Title TBD)
• 12:30 lunch
• 13:30 contributions
  • Michael Koster: T.B.D.
  • Matthias, Kajimoto-san, Sebastian, Johannes: Getting Started with a WoT Project
  • Ian Skerrett: "Eclipse IoT: Open Source Building Blocks for IoT Developers”
• 15:30 coffee break
• 16:00 Plugfest and demos
  • Implementor’s pitches
  • Demos
• 19:00 End of meeting
• 19:30 Social dinner

Volunteer needed to take minutes of discussions
We’re using IRC on channel #wot
On [http://irc.w3.org/](http://irc.w3.org/) or use your own IRC client
Tonight’s Dinner Location

- Rodizio Brasil
  - Address:
    160, rue Notre-Dame E
    Montréal, QC, H2Y 1C2
    Vieux-Montréal
  - Metro: Place-d'Armes
  - Phone: (514) 508-3883
  - Website: rodiziobrasil.ca

The specialty of the house is the “Rodízio”. This concept offers the possibility of tasting, in “all you can eat” way, plus then 10 different types of meats, served on the spit in each table and the meat is sliced straight on your plate.