

“Interconnecting Smart Objects with the Internet” Tutorial

Hannes Tschofenig

Style

- Informal Dinner
(Thursday, 24th March)
- Workshop (Friday, 25th March)
 - <http://www.iab.org/about/workshops/smartobjects/>
 - Position paper requirement for workshop participation
- Tutorial (Saturday, 26th March)
 - Open to everyone (with registration deadline for planning purposes)
 - <http://www.iab.org/about/workshops/smartobjects/tutorial.html>
- IETF#80 meeting (starting on 27th March)
 - <http://www.ietf.org/meeting/80/index.html>

Organizers

- Jari Arkko (Internet Area Director)
- Hannes Tschofenig (IAB)
- Bernard Aboba (IAB)
- Carsten Bormann (CoRE and 6LoWPAN WG Chair)
- David Culler (ROLL WG Chair)
- Lars Eggert (Transport Area Director, and upcoming IRTF Chair)
- JP Vasseur (ROLL WG Chair)
- Stewart Bryant (Routing Area Director)
- Adrian Farrel (Routing Area Director)
- Ralph Droms (Internet Area Director)
- Geoffrey Mulligan (6LoWPAN WG Chair)
- Alexey Melnikov (Applications Area Director)
- Peter Saint-Andre (Applications Area Director)
- Marcelo Bagnulo (IAB)
- Zach Shelby (Member of the IETF Smart Power Directorate)
- Isidro Ballesteros Laso (European Commission)
- Fred Baker (Member of the Smart Power Directorate and liaison to the US Smart Grid Interoperability Panel - SGIP)
- Cullen Jennings (CoRE WG Chair)
- Manfred Hauswirth (Member of the Future Internet Architecture Group of the EC Future Internet Architecture)
- Lukas Kencl (Local Arrangements Chair, Czech Technical University in Prague)



EUROPEAN
COMMISSION



Sponsoring

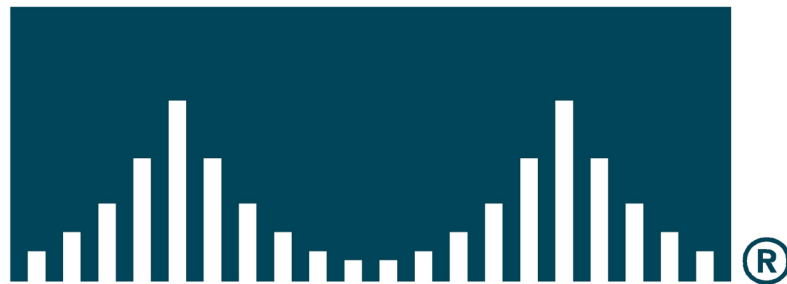
ERICSSON



**Nokia Siemens
Networks**



CISCO SYSTEMS



Goals

- Make IETF participants aware of work in relevant working groups
- Introduce IETF activities to engineers as well as researchers who have not been active in the IETF before
- Help everyone to get a better understanding of implications caused by performance-constrained devices
- Get to know others and make friends for future collaboration

IPR Policy

- This workshop is part of the "IETF Standards Process", as defined in [RFC 5378](#) and [RFC 3979](#) (updated by [RFC 4879](#)). The [IETF Note Well](#) statement applies.

Workshop Outputs

- Position Papers
 - Already published on <http://www.iab.org/about/workshops/smartobjects/papers/>
- Slides
 - <http://www.iab.org/about/workshops/smartobjects/agenda.html>
- Meeting Minutes
 - Will be published soon.
- IAB Meeting Report

Agenda

<http://www.iab.org/about/workshops/smartobjects/tutorial.html>

8:30 - 9:00 Last minute check (audio/beamer). Arrival of Participants

9:00 - 9:15 **Opening Remarks and Logistics**

9:15 – 10:30 **Getting Started with IPv6 in Low-Power
Wireless Personal Area Networks (Carsten Bormann)**

10:30 – 11:45 **Understanding Routing in Low-Power and
Lossy Networks (JP Vasseur)**

11:45 - 12:45 Lunch Break

12:45 - 14:00 **Introduction to Resource-Oriented
Applications in Constrained Networks (Zach Shelby)**

14:00 - 15:15 **Service Discovery (Stuart Cheshire)**

15:15 – 15:30: Coffee Break

15:30 - 16:45 **Considerations for Constrained Devices (Adam Dunkels)**

16:45 - 18:00 **Putting IETF Building Blocks Together -
ZigBee IP (Robert Cragie)**

20:00 **Informal Dinner**

Informal Dinner

- Restaurant U SUPA
Celetná 22, 110 00 Praha 1
- <http://www.restauraceusupa.cz/>
- Walking over to the restaurant; meeting at the hotel lobby at 7:30pm
- Starting at 8pm (at restaurant)
- How to get there from the Hilton:
<http://bit.ly/emrgv6>

Blue Sheet!

Jabber Room

- core@jabber.ietf.org