

# **ICNRG@IETF91 Hawaii**

**Information-Centric Networking Research Group  
Monday, November 10, 2014**

Chairs' Slides

Dirk Kutscher  
Börje Ohlman  
Dave Oran

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# ICNRG Administrativa

- IRTF RG on Information-Centric Networking
- Mailing list: [icnrg@irtf.org](mailto:icnrg@irtf.org)
- Web: <http://irtf.org/icnrg>
- Wiki: <http://trac.tools.ietf.org/group/irtf/trac/wiki/icnrg>
- Chairs
  - Dirk Kutscher (NEC Laboratories Europe)
  - Börje Ohlman (Ericsson Research)
  - Dave Oran (Cisco Systems)
- This meeting
  - **Note taker:**
    - Jabber?
  - Webex (see Wiki)
  - Etherpad:  
<https://neclab.titanpad.com/ICNRG-IETF91>

# ICNRG Agenda

- **Welcome, Agenda Bashing, Status** [Chairs] -- 15 min
  - Baseline Scenarios Status
  - ICN Challenges Last Call
  - Report from interim
- **Video Update** [Cedric Westphal] -- 15 min
- **IoT Update** [GQ Wang / Ravi Ravindran] -- 15 min
- **Bloom Filter-based Name Resolution Update** [Jungha Hong] -- 15 min
- **CCN/NDN Protocol Wire Format and Functionality Considerations** [GQ Wang] -- 15 min
- **QoE in ICN Discussion** [Damien Saucez] -- 30 min
- **Abstracted Network API for ICN** [Cinyoung Hur] --15 min
- **Demo: Web of Trust in ICN** [Jan Seedorf] -- 15 min
- Wrap up

# Documents Update

- **ICN Baseline Scenarios**

- passed IRSG review -- now IESG review
- <http://datatracker.ietf.org/doc/draft-irtf-icnrg-scenarios/>

- **ICN Research Challenges**

- <https://tools.ietf.org/html/draft-irtf-icnrg-challenges-00>
- added paragraph on QoS to transport services section
- rewrote text 4.7.4 (Staleness Detection of Cached NDOs)
- mostly complete -- want to consider outcome of current QoE discussion
- will call for final RG review soon

- **Evaluation Methodology**

- <https://tools.ietf.org/html/draft-irtf-icnrg-evaluation-methodology-01>
- Editorial work required (section 2.1 on simulators/testbeds mainly)
- aiming for final RG review early next year

- **Video**

- <https://tools.ietf.org/html/draft-irtf-icnrg-videostreaming-01>

- **IoT**

- <https://tools.ietf.org/html/draft-zhang-iot-icn-challenges-00>
- <https://tools.ietf.org/html/draft-lindgren-icnrg-efficientiot-01>

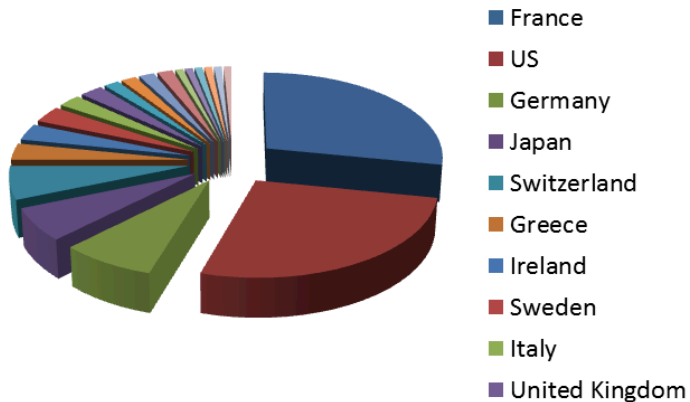
# Report from ACM SIGCOMM ICN-2014

- <http://conferences2.sigcomm.org/acm-icn/2014/>
- Sep 24 -- 26 in Paris: Tutorials, Papers, Demos, Industry Panel



## Attendance

- 130 Attendees, 37 students, 40% industry – 60% academia



# Report from ICNRG Interim, Sep 27

- Full day meeting at LIP6, SystemX in Paris
- ICN and video distribution
- ICN and IoT
- CCN/NDN packet format
  - ALU, CCN-1.0, Cisco, NDN -- discussion
- Scalable mobile backhauling via ICN
- Bloom-filter based NRS for ICN
- Distributed latency-aware caching
- Named Functions for ICN
  
- [see Wiki for material and minutes](#)

# Presentations

- **Video Update** [Cedric Westphal] -- 15 min
- **IoT Update** [GQ Wang / Ravi Ravindran] -- 15 min
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# Wrap up

- Potential interim meeting
  - Early 2015, Portugal or Cambridge (Boston)
- Other business?