

ICNRG@IETF92

Dallas

Information-Centric Networking Research Group
Tuesday, March 24, 2015

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
- 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?
 - MeetEcho
 - Etherpad: <https://neclab.titanpad.com/ICNRG-IETF92>

ICNRG Tuesday Agenda

- **Welcome, Agenda Bashing, Minutes taker, Status** [Chairs] -- 20 min
 - Baseline Scenarios Status
 - ICN Challenges Status ([draft-irtf-icnrg-challenges-01](#))
 - Adaptive Video Streaming over ICN ([draft-irtf-icnrg-videostreaming-03](#))
 - Evaluation draft...
 - Report from interim
- **GreenICN project update** - "Using ICN in disaster scenarios" ([draft-seedorf-icn-disaster-03](#), [draft-seedorf-icn-wot-selfcertifying-01](#), [draft-jiachen-icn-pubsub-01](#)) - Jan Seedorf -- 20 min
- **Model driven protocol/platform for ICN** - Mach Chen -- 20 min
- **NDN-based architecture for optimizing content delivery in social networks** ([draft-truong-icnrg-ndn-osn-00](#)) - Emile Stephan -- 20 min
- **Next steps discussion** - Börje Ohlman -- 15 min
 - What should ICNRG focus on?
 - Which key issues are we missing?
- **Wrap up, Next meeting** -- 10 min
- **Protocol wrap up discussion** - Dave Oran --15 min

Documents Update 1/2

- **ICN Baseline Scenarios**

- Published as RFC 7476: “ Information-Centric Networking: Baseline Scenarios”

- **ICN Research Challenges**

- <https://tools.ietf.org/html/draft-irtf-icnrg-challenges-01>
- changes to the routing section based on comments by Dimitri Papadimitriou
- Added new section on Application Development (4.9)
- Had RG review before Dallas
 - Dimitri: comments on finding “best paths” (not only derived from network topology and routing on that) -- currently working with authors
- Next Steps: Consider Dimitri’s proposals, apply editorial nits and publish

- **Evaluation Methodology**

- <https://tools.ietf.org/html/draft-irtf-icnrg-evaluation-methodology-01>
- working on references for evaluations on testbeds
- RG review after next revision

- **Video**

- <https://tools.ietf.org/html/draft-irtf-icnrg-videostreaming-03>
- Had RG review (thanks to Marie-Jose and Niall Murray)
- authors working on update

Documents Update 2/2

- IoT

- <https://tools.ietf.org/html/draft-zhang-iot-icn-challenges-01>
 - new revision December 24
 - reworked Naming and Name Resolution, Security & Privacy text
- <https://tools.ietf.org/html/draft-lindgren-icnrg-efficientiot-01>
- Try to converge on this and aim for publication?

Report from ICNRG Interim, March 22

- Full day meeting in Dallas prior to IETF
 - Hop-by-hop fragmentation proposal
 - Congestion Control in CCN/NDN
 - An improved PIT aggregation scheme
 - Bloom Filter-based Flat Name Resolution System
 - Name segment index performance implications
 - ICN communication privacy
 - Authenticated denial
 - Packet Format
 - Next Steps for ICNRG
-
- [see Wiki for material and minutes](#)

Presentations

- **GreenICN project update** - "Using ICN in disaster scenarios"
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Wrap up

- Next Meeting
 - at IETF-93 in Prague
 - Interim meeting?
 - Sunday problematic due to ACM ICN conference TPC meeting.
 - schedule?
- Other Events
 - CCNxCon, May 18-21, Palo Alto
 - ACM ICN 2015, Sep 3 -- Oct 2, San Francisco
- Other business?