ICNRG Interim Meeting
London

Information-Centric Networking Research Group
Sunday, March 18th, 2018

Hosted by University College London (UCL)
Supported by Cisco

Chairs' Slides

Dirk Kutscher
Börje Ohlman
Dave Oran

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ICNRG Administrativia

- 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
- Github: https://github.com/icnrg
- Chairs
  - Dirk Kutscher (Huawei)
  - Börje Ohlman (Ericsson Research)
  - Dave Oran (Network Systems Research Design)
- This meeting
  - Note takers: ???
  - Etherpad: http://etherpad.tools.ietf.org:9000/p/ICNRG-IETF101-Interim-Sunday
  - Meeting Materials: https://datatracker.ietf.org/meeting/interim-2018-icnrg-01/session/icnrg

Agenda Overview

09:00 Morning session starts

12:30 Lunch

14:30 Afternoon session starts

17:00 Meeting ends

IETF-101 Hackathon Report

- Two ICN projects at Hackathon

1. ICN RIOT (Cenk, Peter)
2. ICN & Scada Network Security
    - Different industrial IoT and control networks
    - Ethernet TSN (replacing legacy fieldbuses)
    - IEC 60870-5-104

ICNRG Sunday Agenda -- Morning

- Welcome, Agenda Bashing, Minutes taker, Bluesheets, Status - Chairs
- **Hybrid ICN** (hICN) - Luca Muscariello
- **Map-Me: Managing Anchor-less Producer Mobility in Content-Centric Networks** - Giovanna Carofiglio
- **Map-Me implementation in hICN and applications to next generation mobile networks** - Jordan Augé
- **FD.io/CICN open source project** - update on the consumer/producer socket API and HTTP support - Mauro Sardara
- **PyCN-lite** (for IoT, running MicroPython?), and **PiCN** (for NFN) - Christian Tschudin
- **Enabling Dynamic ICN Multicast in Cellular Radio Access** - Ravi Ravindran
- New draft: (based on Contrace): "**CCNinfo: Discovering Content and Network Information in Content-Centric**" - Xun Shao
- New draft: "**Requirements for Key Management in CCN/NDN**" - Ruidong Li
- Demo: "**Deployment of ICN stacks and NDN in particular by leveraging NFV**" - Guillaume Doyen

ICNRG Sunday Agenda -- Afternoon

- ## New drafts
    a. **DABBER: Information-centric Routing for Opportunistic Wireless Networks** - Paulo Mendes
    b. **Architectural Considerations of ICN using NRS** - Jungha Hong

- ## Revised Drafts
    a. **Requirements for Name Resolution Service in ICN** - Jungha Hong
    b. **CCNx Extension for Name Resolution Service** - Jungha Hong
    c. **ICN control signaling** - takeup from the Berlin meeting - Thomas C. Schmidt
    d. **Publish-Subscribe Deployment Option for NDN in the Constrained Internet of Things** - Cenk Gündoğan
    e. **Design Considerations for Applying ICN to IoT** - Ravi Ravindran
    f. **Forwarding Label support in CCN Protocol** - Ravi Ravindran
    g. **File-Like ICN Collection (FLIC)** - Christopher A. Wood & Christian Tschudin
    h. **Network Coding for Content-Centric Networking / Named Data Networking: Requirements and Challenges** - Cedric Westphal