IETF 119
Information-Centric Networking
Research Group
20 March 2024

This session is being recorded
Note Well

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IETF 116 Meeting Tips

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*

Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session
- Use of a headset is strongly recommended
Goals of the IRTF

● The Internet Research Task Force (IRTF) focuses on longer term research issues related to the Internet while the parallel organisation, the IETF, focuses on shorter term issues of engineering and standards making.

● The IRTF conducts research; it is not a standards development organisation.

● While the IRTF can publish informational or experimental documents in the RFC series, its primary goal is to promote development of research collaboration and teamwork in exploring research issues related to Internet protocols, applications, architecture, and technology.

● See “An IRTF Primer for IETF Participants” – RFC 7418.
ICNRG Administrativia

- IRTF RG on Information-Centric Networking
- Mailing list: icnrg@irtf.org
- Web: https://irtf.org/icnrg
- Chairs
  - Dirk Kutscher – HKUST(GZ)
  - Dave Oran – Network Systems Research Design
- This meeting
  - Note taker:
# Agenda

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<tr>
<td>1</td>
<td>CNRG Chairs’ Presentation: Status, Updates</td>
<td>Chairs</td>
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<td>2</td>
<td>Secure Web Objects and Transactions</td>
<td>Dirk Kutscher</td>
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<td>3</td>
<td>Transaction Manifests</td>
<td>Marc Mosko</td>
<td>20 min</td>
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<td>Vanadium: Secure, Distributed Applications</td>
<td>Marc Mosko</td>
<td>20 min</td>
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<td>Global vs. Scopes Namespaces</td>
<td>Marc Mosko</td>
<td>20 min</td>
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<td>6</td>
<td>Buffer &amp; Wrap Up</td>
<td>Chairs</td>
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### Status: NEW RFCS!

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<td>RFC 9531</td>
<td>Path Steering in Content-Centric Networking (CCNx) and Named Data Networking (NDN)</td>
<td>19 pages</td>
<td>2024-03</td>
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<td>RFC 9510</td>
<td>Alternative Delta Time Encoding for Content-Centric Networking (CCNx) Using Compact Floating-Point Arithmetic</td>
<td>11 pages</td>
<td>2024-02</td>
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### Status: Active Drafts

#### Active Internet-Draft (1 hit)

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<td>File-Like ICN Collections (FLIC)</td>
<td>41</td>
<td>2023-10-22</td>
<td>I-D Exists, Active RG Document: Experimental</td>
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#### Related Internet-Drafts and RFCs (3 hits)

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<td>Maintaining CCNx or NDN flow balance with highly variable data object sizes</td>
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<td>Distributed architecture for microservices communication based on Information-Centric Networking (ICN)</td>
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<td>2023-10-17</td>
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<td>draft-oran-icnrg-reflexive-forwarding-06</td>
<td>Reflexive Forwarding for CCNx and NDN Protocols</td>
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Presentations
Future Events

- **IEEE ICNP 2024**
  - Soliciting ICN submissions
  - CCF B class conference (for China)
  - October 28–31, Charleroi, Belgium
  - Submission deadline: May 24

- Future ICNRG meetings – options:
  - do an interim around June after the ICNP paper deadline
  - meet in person in Vancouver
  - chill and see how participation runs on the mailing list