# ICNRG Online Meeting

## Information-Centric Networking Research Group
## Monday, August 3rd, 2020

Chairs' Slides

Dirk Kutscher
Dave Oran

# Online Participation Instructions

- WebEx: https://ietf.webex.com/ietf/j.php?MTID=m655cd06bf755094b6ef1229493cbf289
- Shared note taking: https://codimd.ietf.org/icnrg-interim-2020-08-03
- Material: https://datatracker.ietf.org/meeting/interim-2020-icnrg-03/session/icnrg

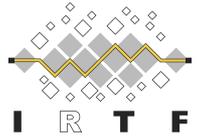Please remember that all sessions are being recorded. Please also:

- Ensure your video is off
- Keep yourself muted unless you are speaking.
- Use Webex chat only to join the mic queue
  - "+q" adds you the the queue
  - "-q" removes you from the queue
  - Add your name and affiliation to the virtual bluesheet (the session Etherpad) via IETF Datatracker Meeting agenda
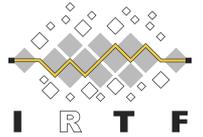  - Join the session Jabber room (see above)

# Note Well – Intellectual Property

- **The IRTF follows the IETF Intellectual Property Rights (IPR) disclosure rules**

- By participating in the IRTF, you agree to follow IRTF processes and policies:

  - If you are aware that any IRTF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion

  - The IRTF expects that you file such IPR disclosures in a timely manner – in a period measured in days or weeks, not months

  - The IRTF prefers that the most liberal licensing terms possible are made available for IRTF Stream documents – see RFC 5743

  - Definitive information is in RFC 5378 (Copyright) and RFC 8179 (Patents, Participation), substituting IRTF for IETF, and at https://irtf.org/policies/ipr

# Note Well – Privacy & Code of Conduct

- As a participant in, or attendee to, any IRTF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public

- Personal information that you provide to IRTF will be handled in accordance with the Privacy Policy at https://www.ietf.org/privacy-policy/

- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this

- See RFC 7154 (Code of Conduct) and RFC 7776 (Anti-Harassment Procedures), which also apply to IRTF

# 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: http://irtf.org/icnrg
- Wiki: http://trac.tools.ietf.org/group/irtf/trac/wiki/icnrg
- Github: https://github.com/icnrg
- Chairs
  - Dirk Kutscher (University of Emden)
  - Dave Oran (Network Systems Research Design)
- This meeting
  - **Note taker:**

# Agenda

| 1 | **Chairs' Presentation** | Chairs | Almost done |
|---|---|---|---|
| 2 | **FLIC:** Status & Next Steps | Draft authors | 90 minutes |
| 3 | **Any other business** | all | 10 min |

# ICNRG Document Status: Brief Update since Last meeting

- Taxonomy Document Published as *RFC 8793*
- Deployment Guidelines Document published as *RFC 8763*
- Disaster Draft in RFC Editor Queue
- ICNLoPAN draft almost through IRSG/IANA review knothole
- NRS Documents in IRSG Review
- Oran QoSArch Document in IRSG Review
- IPOC Draft finished Last Call, has been sent back for more work to address comments
- TimeTLV specification has been updated - please review, we plan to Last-Call this soon

# FLIC: File-like ICN Collections

- Bare bones "index table"-approach for organizing a set of ICN data objects into a large, File-Like ICN Collection (FLIC)
- Manifest to act as the collection's root node
  - Contains an index table with pointers, each pointer being a hash value pointing to either a final data block or another index table node
- FLIC deemed useful as key mechanism for many ICN applications
  - Facilitates accessing and navigating through larger chunked objects
  - Improves efficiency by providing security context for individual data objects (that could be hashed, not signed)

# This meeting

- Issues in https://www.ietf.org/archive/id/draft-irtf-icnrg-flic-02.txt ?
- Missing features?
- Next steps

# Wrap-up

- There is a great tool for asynchronous online collaboration: mailing list -- please use it!
- Please help with draft reviews (see spreadsheet)


- Future Meetings
  - Probably at least one more online meeting
  - Also happy to discuss new approaches, e.g., focused online meetings on interesting topics


- Stay safe, everyone!