

# Measurement and Analysis for Protocols

Research Group (maprg)

July 28, 2023

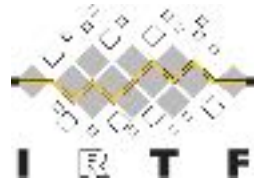
IETF117 in San Francisco

co-chairs <[maprg-chairs@ietf.org](mailto:maprg-chairs@ietf.org)>:

Mirja Kühlewind <[mirja.kuehlewind@ericsson.com](mailto:mirja.kuehlewind@ericsson.com)>

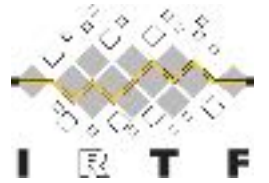
Dave Plonka <[dave@plonka.us](mailto:dave@plonka.us)>

# Note Well – Intellectual Property



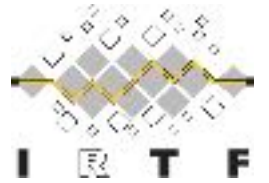
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- By participating in the IRTF, you agree to follow IRTF processes and policies:
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  - The IRTF expects that you file such IPR disclosures in a timely manner – in a period measured in days or weeks, not months
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  - 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 – Audio and Video Recordings

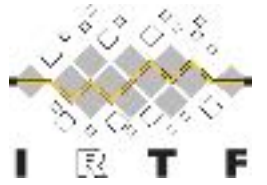


- The IRTF routinely makes recordings of online and in-person meetings, including audio, video and photographs, and publishes those recordings online
- If you participate in person and choose not to wear a red “do-not-photograph” lanyard, then you consent to appear in such recordings, and if you speak at a microphone, appear on a panel, or carry out an official duty as a member of IRTF leadership then you consent to appearing in recordings of you at that time
- If you participate online, and turn on your camera and/or microphone, then you consent to appear in such recordings

# 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
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- 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](#)

# Administrativa

- Charter: <https://datatracker.ietf.org/group/maprg/charter/>
- Mailing List: [maprg@irtf.org](mailto:maprg@irtf.org)  
Subscriptions: <https://www.irtf.org/mailman/listinfo/maprg>
- Today's slides: <https://datatracker.ietf.org/meeting/117/session/maprg/>
- Meetecho: <https://meetings.conf.meetecho.com/ietf117/?group=maprg>
  - Please join Meetecho (lite or full version) from the room to sign in for the bluesheets (and enter the queue)!

# 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

**This session is being recorded.**

# Agenda

**9:30** Overview and Status - *Mirja/Dave*

**9:40** Internet Scale Reverse Traceroute - *Kevin Vermeulen*

**9:55** Web Privacy By Design: Evaluating Cross-layer Interactions of QUIC, DNS and H/3 -  
*Jayasree Sengupta*

**10:10** Exploring the Cookieverse: A Multi-Perspective Analysis of Web Cookies - *Ali Rasaii*

**10:25** User Awareness and Behaviors Concerning Encrypted DNS Settings in Web Browsers -  
*Ranya Sharma*

**11:40** IPvSeeYou: Exploiting Leaked Identifiers in IPv6 for Street-Level Geolocation - *Robert Beverly*

**11:00** Measurement Lab: Supporting Open Internet Research - *Lai Yi Ohlsen*