

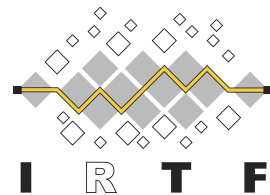
IETF 121

Quantum Internet Research Group

8 November 2024

This session is being recorded

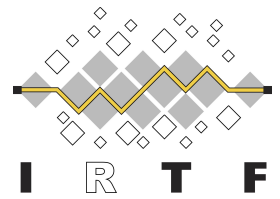
IETF 121
Dublin



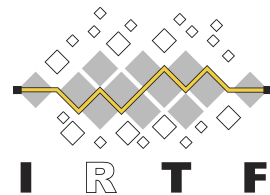
Note Well – Intellectual Property

- The IRTF follows the IETF Intellectual Property Rights (IPR) disclosure rules.
- By participating in the IRTF, you agree to follow IRTF processes and policies:
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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

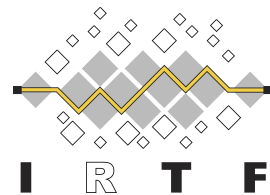


- The IRTF routinely makes recordings of online and in-person meetings, including audio, video and photographs, and publishes those recordings online
- If you participate in person and choose not to wear a red “do-not-photograph” lanyard, then you consent to appear in such recordings, and if you speak 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
- 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](#)

IETF 121 Meeting Tips

This session is being recorded

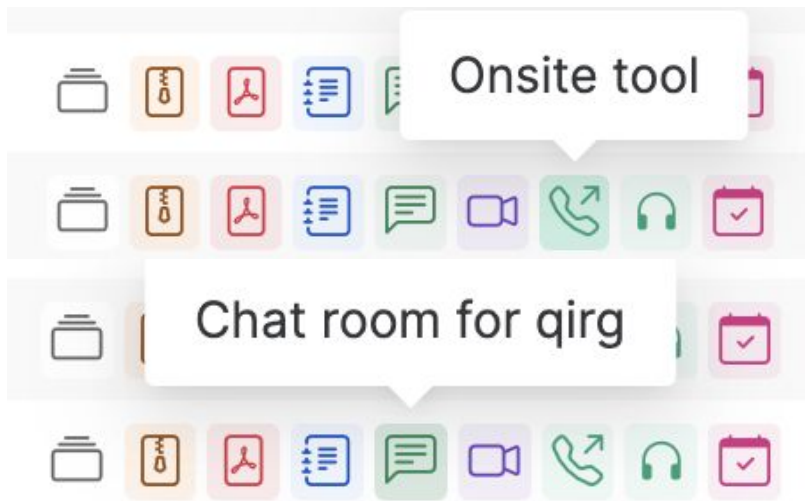
In-person participants

- Make sure to sign into the session using the Meetecho (usually the “onsite tool” 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

Tools



Zulip needs your permission to enable desktop notifications.

panrg | 38 | <https://datatracker.ietf.org/rg/panrg/about/>

175

panrg ietf-118

Boris Khasanov
Yes, presenter's mic is quite low

Brian Trammell
better now?

Boris Khasanov
yes, thanks

Antoine Fressancourt
better, thanks

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panrg

Rodney Van Meter

USERS

- Rodney Van Meter
- Acee Lindem
- Ahmed Elhassany
- Alan Frindell
- Alejandro Sedeño
- Alex Chernyakhovskiy
- Alex Huang Feng
- Alison Becker
- Alissa Cooper
- Allison Mankin
- altanai
- Anders Kölligan
- Andrew Camppling
- Andrew Crawford
- Anthony Somerset
- Antoine Fressancourt

ask slides

join queue

extra buttons

Quantum Internet Research Group

QIRG

@IETF121 Dublin

8 November 2024

Chair slides

Rodney Van Meter
Wojciech Kozlowski

Agenda

- Administrivia (5 minutes)
speaker: chairs
- draft-lopez-qirg-qi-multiplane-arch (5 min)
- Engineering Quantum Connectivity: The Quest for a Paradigm Shift (25 min)
Speaker: Marcello Caleffi
- EuroQCI infrastructure deployment issues and operational experience - quantum links and KMS infrastructure (25 min)
Speaker: Piotr Rydlichowski
- Vision of QUANT-NET project and opportunities for standardization (25 min)
Speaker: Inder Monga
- Control-plane stack and two-level scheduler with network layers and protocols being developed at QUANT-NET (25 min)
Speaker: Wenji Wu
- AOB (10 minutes)

Document Status

- RFC 9583 Application Scenarios for the Quantum Internet (June 2024)
 - <https://datatracker.ietf.org/doc/rfc9583/>
- draft-lopez-qirg-qi-multiplane-arch-02
A Multiplane Architecture Proposal for the Quantum Internet
 - -01: 2024-03-04
 - -02: 2024-09-03