

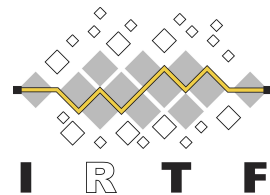
# IETF 122

# Quantum Internet Research Group

18 March 2025

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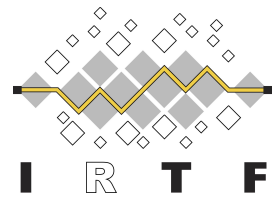
IETF 122  
Bangkok



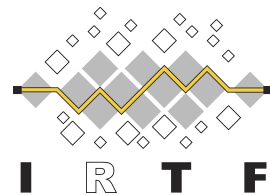
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- The IRTF follows the IETF Intellectual Property Rights (IPR) disclosure rules.
- By participating in the IRTF, you agree to follow IRTF processes and policies:
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  - Definitive information is in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

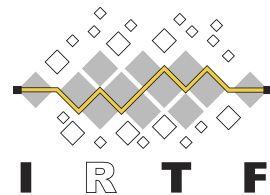


- The IRTF routinely makes recordings of online and in-person meetings, including audio, video and photographs, and publishes those recordings online
- If you participate in person and choose not to wear a red “do-not-photograph” lanyard, then you consent to appear in such recordings, and if you speak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

Onsite tool

Chat room for qirg

## Goals of the IRTF

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5

join queue G Research Group

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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#qirg

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

@IETF122 Bangkok

18 March 2025

Chair slides

Rodney Van Meter  
Wojciech Kozlowski

# Agenda

- Administrivia  
speaker: chairs
- Networks for Modular Quantum Systems  
Speaker: Rodney Van Meter
- Research Activities on Quantum Communication in Thailand  
Speaker: Pruet Kalasuwan, Poompong Chaiwongkhot, and Sujin Suwanna
- Modelling chains of Quantum-Repeaters Chains  
Speaker: Oskar van Deventer
- Quantum Advantage Without Quantum Memories  
Speaker: Wojciech Kozlowski
- Update on draft-lopez-qirg-qi-multiplane-arch  
Speaker: Diego Lopez
- AOB

# Document Status

- draft-lopez-qirg-qi-multiplane-arch-03  
A Multiplane Architecture Proposal for the Quantum Internet
  - -02: 2024-09-03
  - -03: 2025-02-26