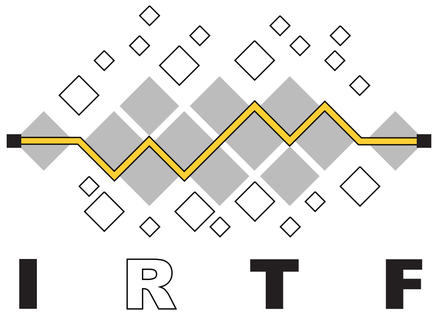


IRTF Open Meeting

Colin Perkins
IRTF Chair

IETF 121 / 4 November 2024

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 – 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

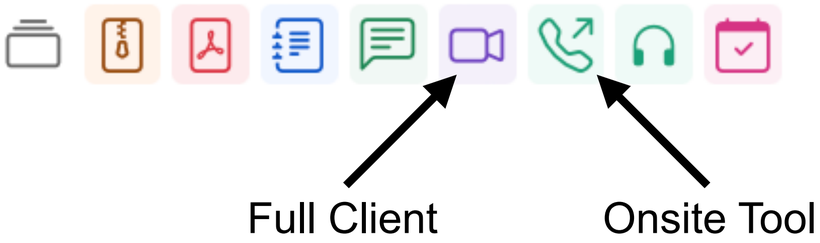
- **This meeting is being recorded and live streamed**

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 – whether in-person or remote, and on the mailing lists as well as during the meetings – 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

In-Person and Remote Participation

- **In-person participants**
  - You **MUST** sign into the session using MeetEcho (via the “Onsite Tool”) from the Datatracker agenda **or by scanning the QR code**
  - **If you want to ask a question join the mic queue via MeetEcho**
  - If using the Full Client, keep audio and video off
- **Remote participants**
  - Join via the MeetEcho Full Client from the Datatracker agenda
  - Turn your audio and video are off unless you are presenting during a session



- Technical support: http://www.ietf.org/how/meetings/issues/ or support@ietf.org

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, the primary output of research groups is expected to be understanding and research results that may be disseminated by publication in scholarly journals and conferences

Research Groups

CFRG
Crypto Forum Research Group

COINRG
Computation in the Network

DINRG
Decentralised Internet Infrastructure

GAIA
Global Access to the Internet for All

HRPC
Human Rights Protocol Considerations

ICCRG
Internet Congestion Control

ICNRG
Information-centric Networking

MAPRG
Measurement and Analysis for Protocols

NMRG
Network Management

PANRG
Path Aware Networking

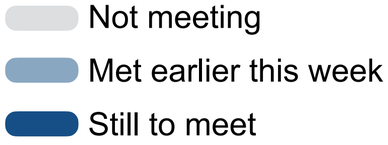
PEARG
Privacy Enhancements and Assessments

QIRG
Quantum Internet

RASPRG
Research & Analysis of Standards Processes

T2TRG
Thing-to-Thing

UFMRG
Usable Formal Methods



Research Group and IRSG Updates

- The Computation in the Network Research Group (COINRG) is closing
  - Thank you to the Chairs – Marie-Jose Montpetit, Eve Schooler, and Jianfei He – and to those who contributed
  - Many interesting discussions, but the research area has matured and shifted over the years, and the focus of interest has moved away from the group
  - After discussion with the chairs, concluded to close the group

- Melinda Shore has retired and is stepping back from her position as an at-large member of the IRSG

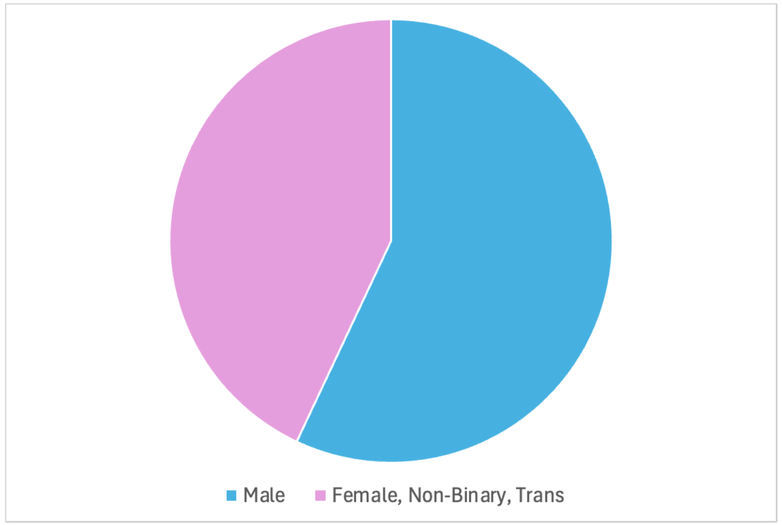
Recent IRTF Stream RFCs

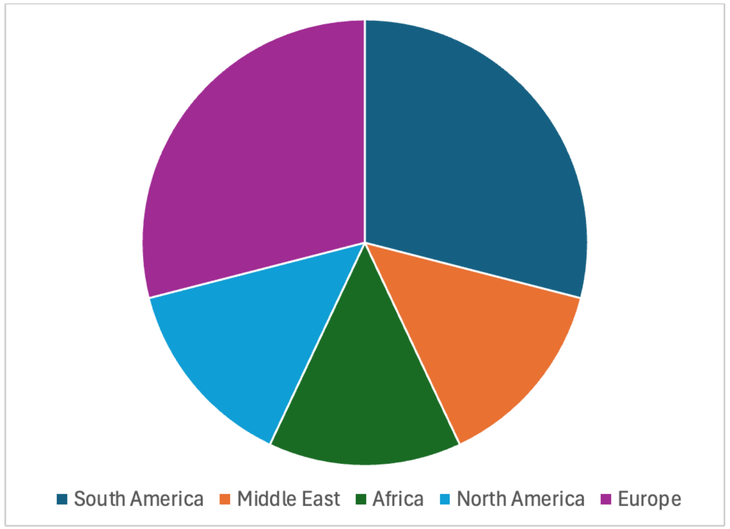
RFC 9620 Guidelines for Human Rights Protocol and Architecture Considerations Sept. 2024 HRPC

- IRTF research groups can publish Informational and Experimental RFCs, but **the main focus is on developing understanding – research papers are more common outputs than RFCs**
- “To me, the fundamental outcome of research is understanding, and the fundamental outcome of engineering is a product” – Fred Baker, quoted in RFC 7418

IRTF Diversity Travel Grants

The IRTF is pleased to offer travel grants to support early career academics and PhD students from under-represented groups to attend the IRTF meetings co-located with the IETF

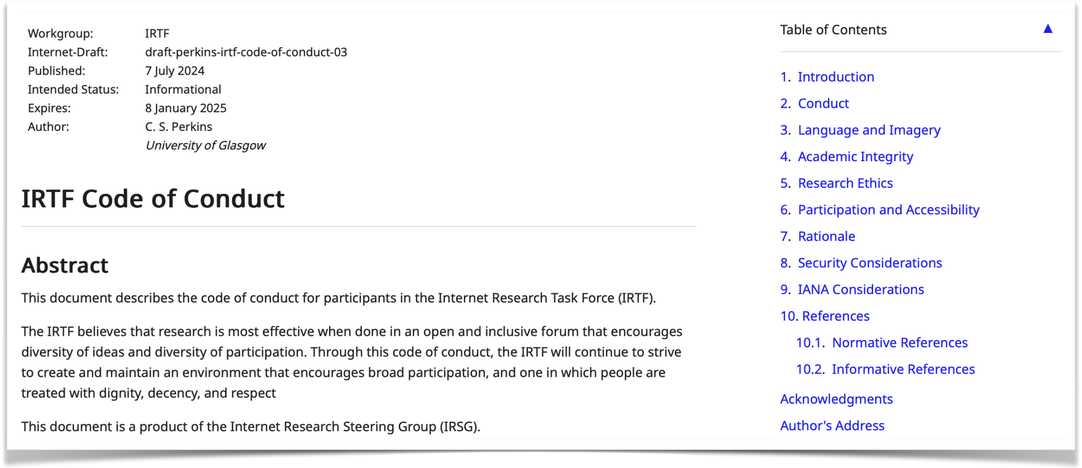




https://irtf.org/travelgrants

IRTF Code of Conduct

- The code of conduct for the IRTF, **draft-perkins-irtf-code-of-conduct**, is in IRSG ballot – resolving final details prior to approval
  - The IETF code of conduct (RFC 7154) is focussed on effective conduct of the standards process; this new IRTF code of conduct considers effective conduct of research
  - Both reference the same anti-harassment policy, ombudsteam, inclusive language guidelines, etc. – all the common content is in these guidelines



Workgroup: IRTF
Internet-Draft: draft-perkins-irtf-code-of-conduct-03
Published: 7 July 2024
Intended Status: Informational
Expires: 8 January 2025
Author: C. S. Perkins
University of Glasgow

IRTF Code of Conduct

Abstract

This document describes the code of conduct for participants in the Internet Research Task Force (IRTF).

The IRTF believes that research is most effective when done in an open and inclusive forum that encourages diversity of ideas and diversity of participation. Through this code of conduct, the IRTF will continue to strive to create and maintain an environment that encourages broad participation, and one in which people are treated with dignity, decency, and respect

This document is a product of the Internet Research Steering Group (IRSG).

Table of Contents

1. Introduction
2. Conduct
3. Language and Imagery
4. Academic Integrity
5. Research Ethics
6. Participation and Accessibility
7. Rationale
8. Security Considerations
9. IANA Considerations
10. References
    10.1. Normative References
    10.2. Informative References

Acknowledgments
Author's Address

- Thank you to the IRSG and all others who contributed to this important draft!

Call for Nominations: IRTF Chair

- The current IRTF Chair is stepping down
- The IAB is seeking feedback on nominees for the next IRTF Chair:
  - Matthew Caesar
  - Wes Hardaker
  - Jianfei (Jeffrey) HE
  - Dirk Kutscher
  - Michael Lee Tegeda
  - Haya Schulmann
  - Dirk Trossen
- **Send feedback to execd@iab.org by 23:59 UTC on 6th November 2024**

Role of IRTF

- New draft, **draft-perkins-role-of-irtf**, arising from discussions with IRSG and the IRTF Chair candidates, to augment RFCs 4440 and 7418 describing the purpose and role of the IRTF – community feedback sought



Workgroup: Network Working Group
Internet-Draft: draft-perkins-role-of-irtf-02
Published: 2 September 2024
Intended Status: Informational
Expires: 6 March 2025
Author: C. Perkins
University of Glasgow

The Role of the Internet Research Task Force (IRTF)

Abstract

This memo discusses the role of the Internet Research Task Force (IRTF), considering its research groups, community, and the various workshops, prizes, and other activities it supports. The relationship of the IRTF to the IETF is also considered.

This document is a product of the Internet Research Steering Group (IRSG).

Table of Contents

1. Introduction
2. Research Groups
3. Community
4. Workshops, Prizes, and Other Activities
5. Relation to the IETF
6. Outreach
7. Security Considerations
8. IANA Considerations
9. Informative References

Acknowledgments

Author's Address

Applied Networking Research Workshop

- **Applied Networking Research Workshop 2025** will co-locate with IETF 123 in Madrid in July 2025
  - Anna Brunström and Ryan Beckett will organise





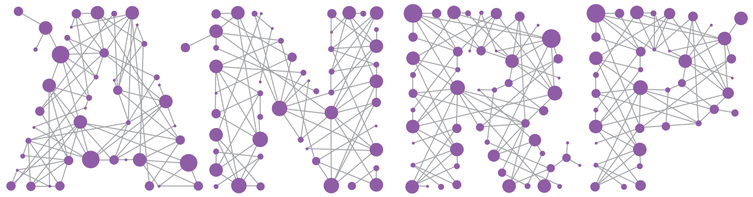
  - Look out for the call for papers early in the new year, with a submission deadline in April 2025

ANRW 2025
Applied Networking Research Workshop

acm sigcomm

IRTF

https://irtf.org/anrw/2025/



Internet Society

COMCAST

NBCUniversal

The **Applied Networking Research Prize** recognises:

- the best recent results in applied networking
- interesting new research ideas of potential relevance to the Internet standards community
- and upcoming people that are likely to have an impact on Internet standards and technologies

Nominations for ANRP 2025 are open until 15 November 2024 – https://www.irtf.org/anrp/

ANRP

Applied Networking Research Prize

Internet Society

COMCAST

NBCUniversal

Two ANRP awards today:

- **Sawsan El-Zahr** for her work to reduce the carbon footprint of Internet routing
- **Mingshi Wu** for his work to understand censorship of fully encrypted traffic



Papers and slides at **https://www.irtf.org/anrp/**

Agenda

Time	Topic	Speaker
17:30	Introduction and Status Update	Colin Perkins
17:45	Potential sustainability research group	Eve Schooler/Ali Rezaki
17:50	Exploring the Benefits of Carbon-Aware Routing	Sawsan El-Zahr
18:25	How the Great Firewall of China Detects and Blocks Fully Encrypted Traffic	Mingshi Wu
19:30	Close	