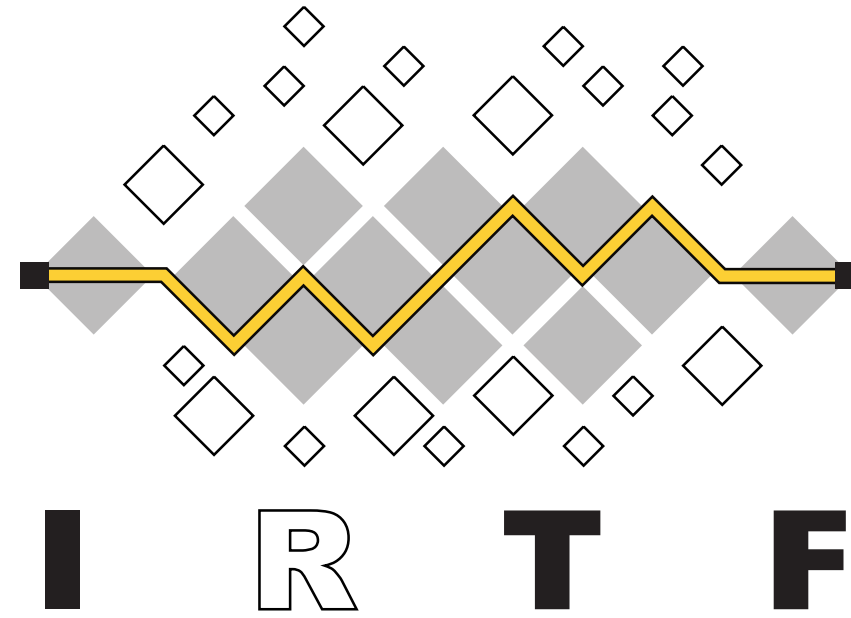




IRTF Open Meeting

Colin Perkins
IRTF Chair

IETF 120 / 22 July 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

- Not meeting
- Met earlier this week
- Still to meet

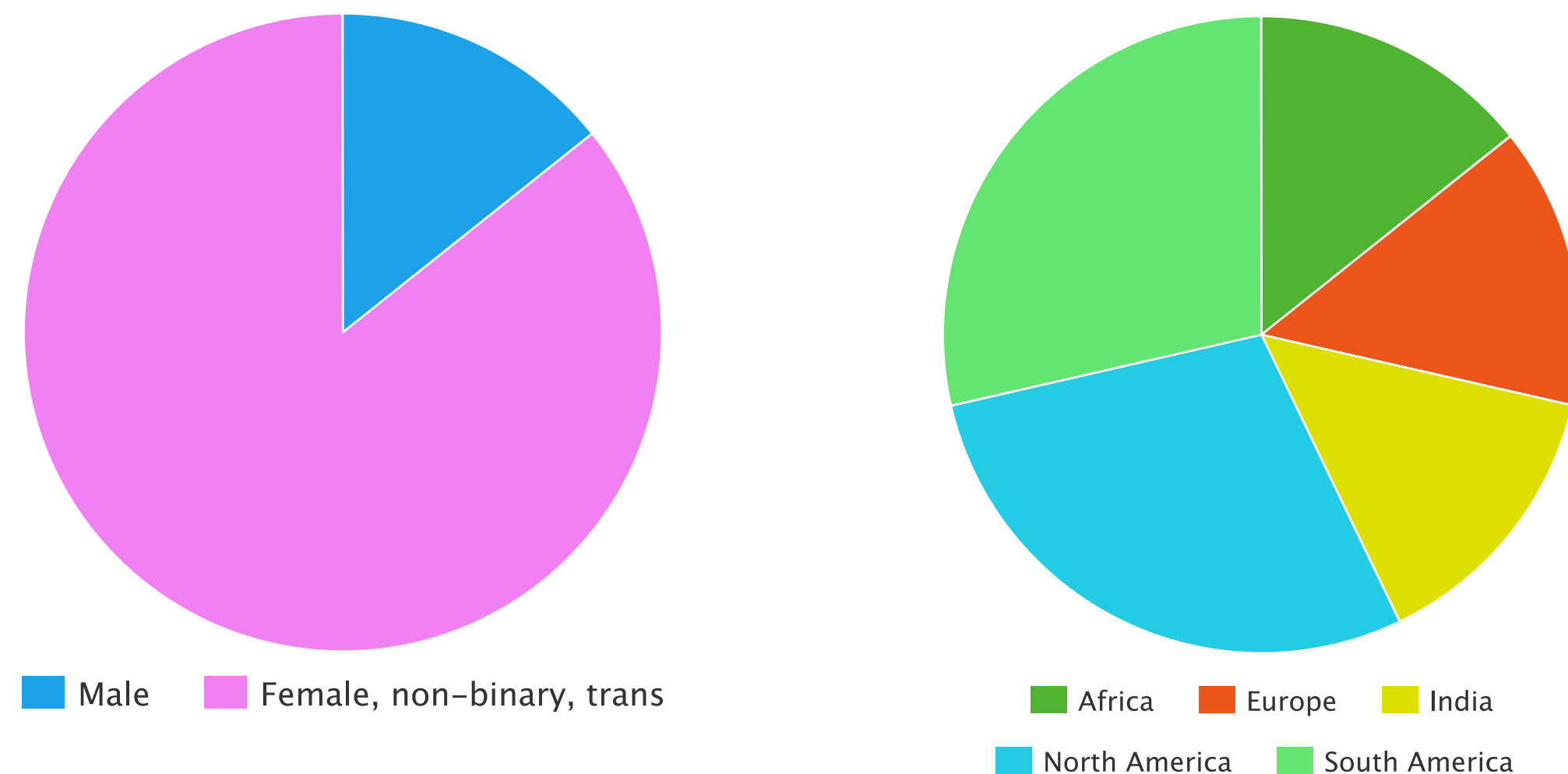
Recent IRTF Stream RFCs

RFC 9556	Internet of Things (IoT) Edge Challenges and Functions	April 2024	T2TRG
RFC 9583	Application Scenarios for the Quantum Internet	June 2024	QIRG
RFC 9591	The Flexible Round-Optimized Schnorr Threshold (FROST) Protocol for Two-Round Schnorr Signatures	June 2024	CFRG

- 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>

afnic

Akamai

COMCAST

Google

NETFLIX

IRTF Code of Conduct (1/2)

- The IRSG has been discussing **draft-perkins-irtf-code-of-conduct** as a draft code of conduct for the IRTF
 - The IRTF doesn't currently have a code of conduct – but one is needed
 - The IETF code of conduct (RFC 7154) is focussed on effective conduct of the standards process; the new IRTF code of conduct considers effective conduct of research
 - Both reference the same anti-harassment policy, ombudsteam, and inclusive language guidelines, etc. – all the common content is in these guidelines
- Highlighted in IRTF Open Meetings for the past year – thank you to those who sent feedback

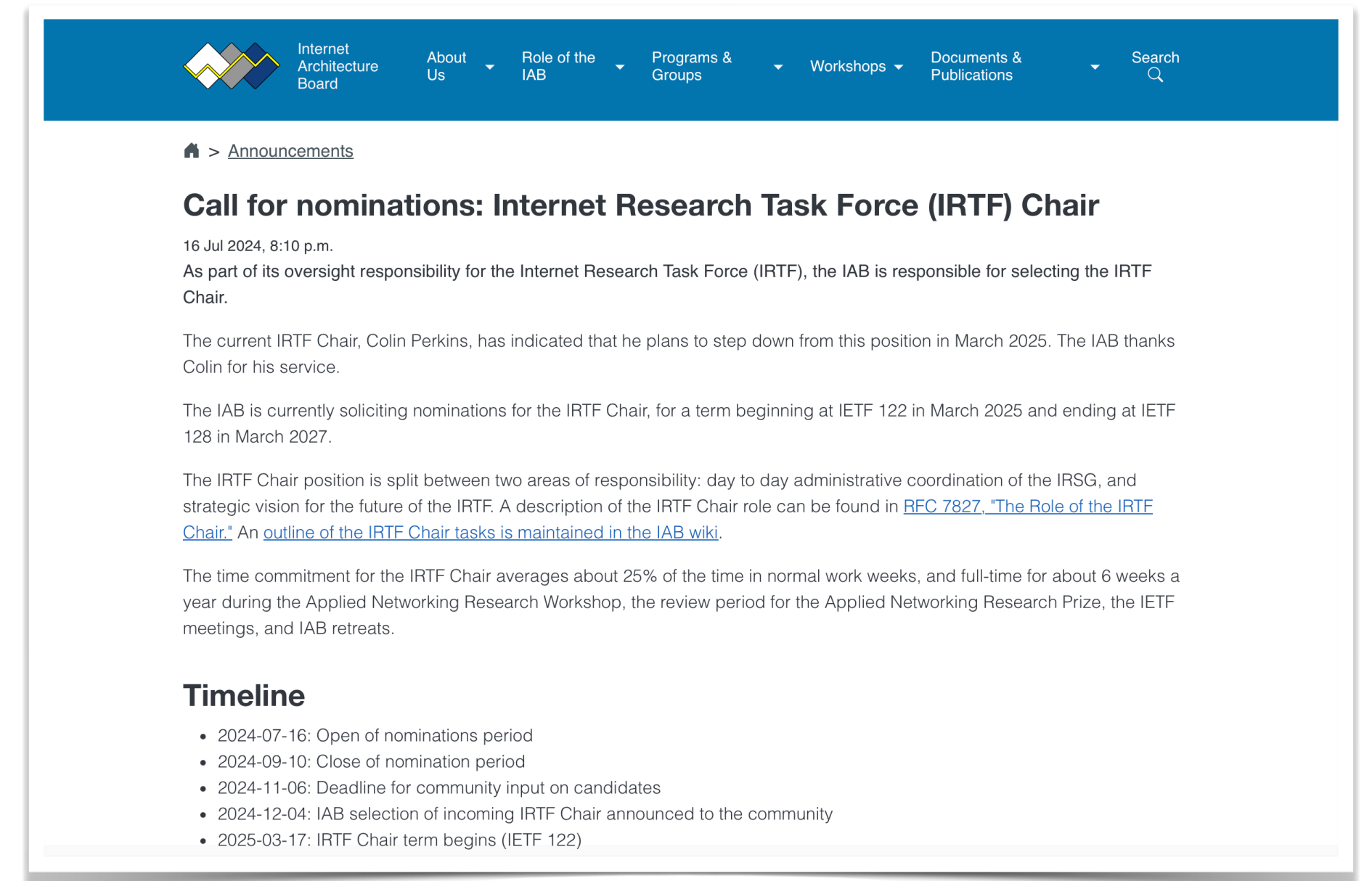
IRTF Code of Conduct (2/2)

Workgroup:	IRTF	Table of Contents ▲
Internet-Draft:	draft-perkins-irtf-code-of-conduct-03	
Published:	7 July 2024	
Intended Status:	Informational	
Expires:	8 January 2025	
Author:	C. S. Perkins <i>University of Glasgow</i>	
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).		
		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

- The IRSG expects to issue a last call on the IETF Code of Conduct shortly – please review **draft-perkins-irtf-code-of-conduct-03** and send feedback to the IRSG at irsg@irtf.org and/or to irtf-discuss@irtf.org

Call for Nominations: IRTF Chair

- The current IRTF Chair is stepping down and the IAB is seeking nominations for a replacement
- <https://www.iab.org/announcements/call-for-nominations-internet-research-task-force-irtf-chair/>
- More information:
 - RFC 7827 (“The Role of the IRTF Chair”)
 - <https://wiki.ietf.org/group/iab/irtf-chair-activities>
- Deadline: 10 September 2024

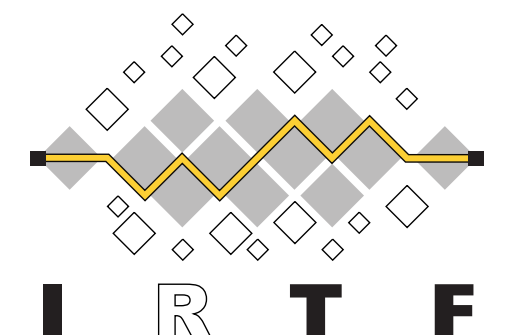


The screenshot shows the Internet Architecture Board (IAB) website. The header is blue with the IAB logo and navigation links: "Internet Architecture Board", "About Us", "Role of the IAB", "Programs & Groups", "Workshops", "Documents & Publications", and a search icon. The main content area is white and features an announcement titled "Call for nominations: Internet Research Task Force (IRTF) Chair". The announcement is dated "16 Jul 2024, 8:10 p.m." and states that the IAB is responsible for selecting the IRTF Chair. It mentions that the current IRTF Chair, Colin Perkins, is stepping down in March 2025. The IAB is currently soliciting nominations for the IRTF Chair, for a term beginning at IETF 122 in March 2025 and ending at IETF 128 in March 2027. The announcement also describes the IRTF Chair position, which is split between day-to-day administrative coordination of the IRSG and strategic vision for the future of the IRTF. A description of the IRTF Chair role can be found in RFC 7827, "The Role of the IRTF Chair." An outline of the IRTF Chair tasks is maintained in the IAB wiki. The time commitment for the IRTF Chair averages about 25% of the time in normal work weeks, and full-time for about 6 weeks a year during the Applied Networking Research Workshop, the review period for the Applied Networking Research Prize, the IETF meetings, and IAB retreats. A timeline is provided at the bottom of the announcement:

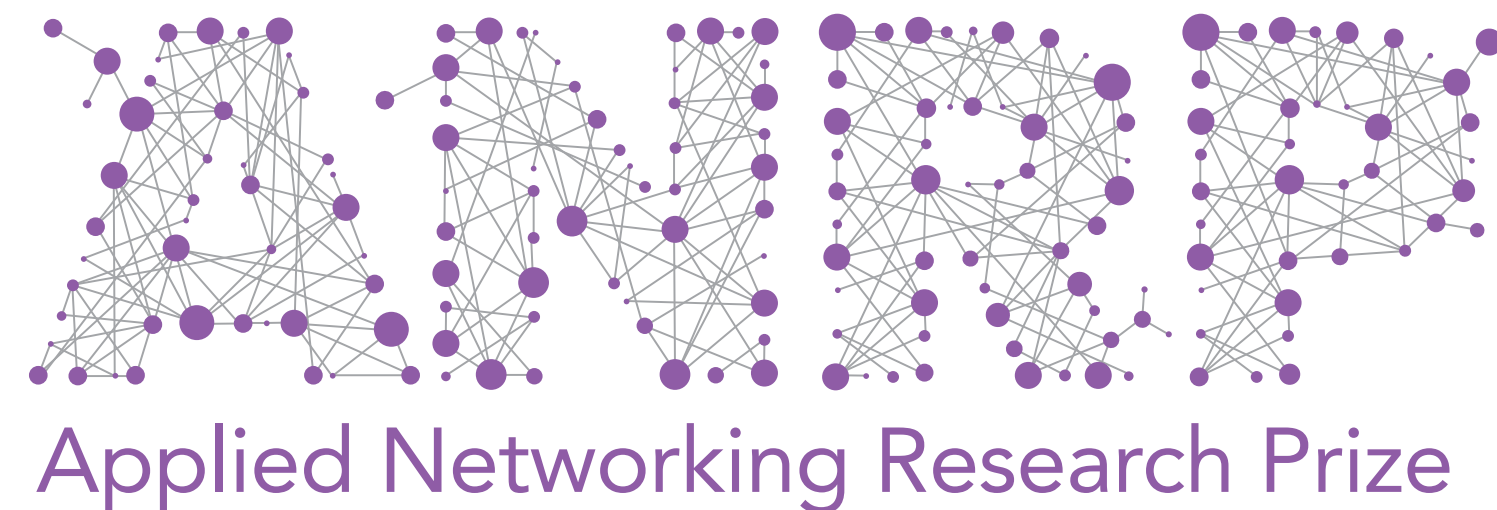
- 2024-07-16: Open of nominations period
- 2024-09-10: Close of nomination period
- 2024-11-06: Deadline for community input on candidates
- 2024-12-04: IAB selection of incoming IRTF Chair announced to the community
- 2025-03-17: IRTF Chair term begins (IETF 122)

Applied Networking Research Workshop

- **Applied Networking Research Workshop 2024** takes place **tomorrow**
 - 12 full papers, 6 lightning papers, and one great keynote talk
 - Thanks to the organisers, Jayasree Sengupta, Simone Ferlin, and Ignacio Castro, and to the reviewers

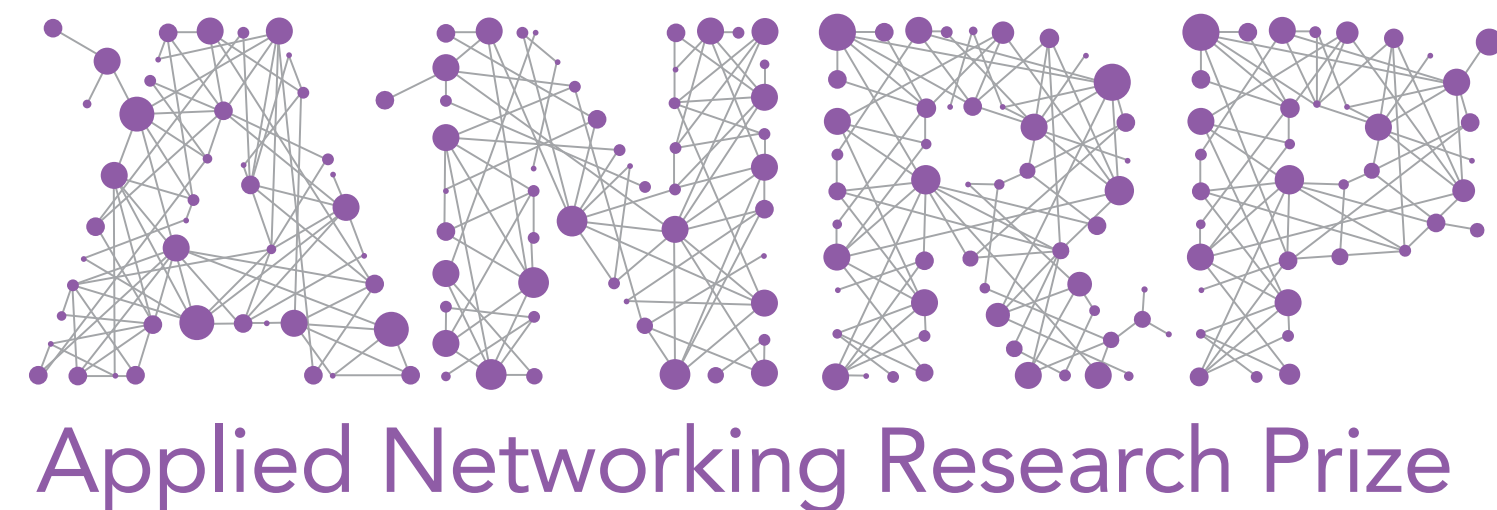


<https://irtf.org/anrw/2024/>

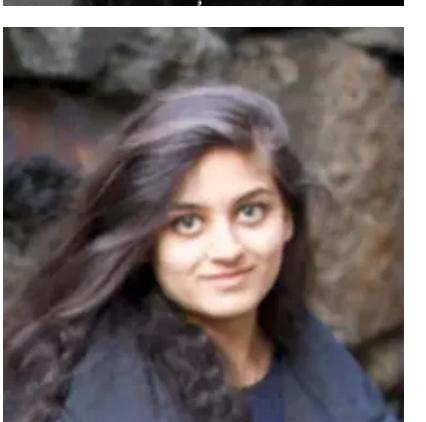


The **Applied Networking Research Prize** recognises:

- 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



- **Xieyang Xu** for his work on improving test coverage for network configurations
- **Yevheniya Nosyk** for her work on understanding the root causes of DNS resolution failures
- **Harjasleen Malvai** for her work on key transparency for encrypted messaging
- Papers and slides at <https://irtf.org/anrp/>



Agenda

Time	Topic	Speaker
13:00	Introduction and Status Update	Colin Perkins
13:15	Test Coverage for Network Configurations,	Xieyang Xu
13:50	Extended DNS Errors: Unlocking the Full Potential of DNS Troubleshooting	Yevheniya Nosyk
14:25	Parakeet: Practical Key Transparency for End-to-End Encrypted Messaging	Harjasleen Malvai
15:00	Close	