

IRTF Open Meeting

Colin Perkins
IRTF Chair

IETF 119 / 18 March 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**

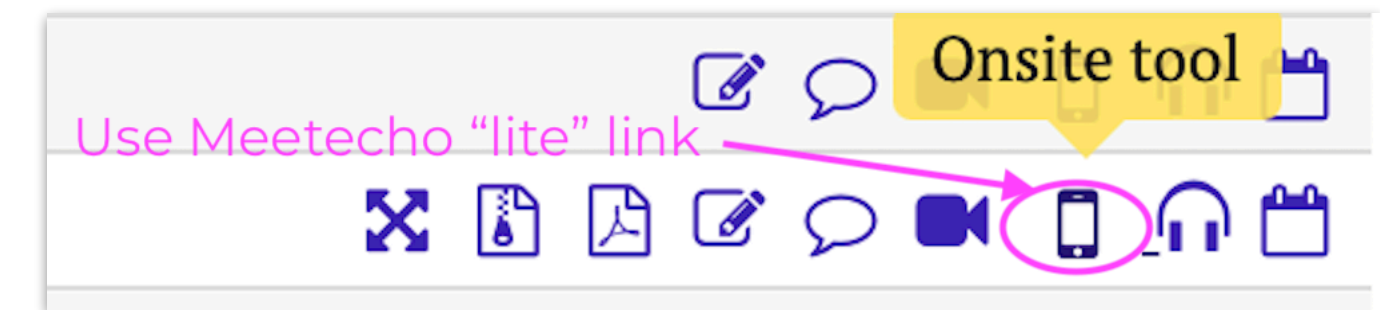
Note Well – Privacy & Code of Conduct

- 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 (usually the “onsite tool” client) from the Datatracker agenda **or by scanning the QR code**
- 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
- Technical support: <http://www.ietf.org/how/meetings/issues/>

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

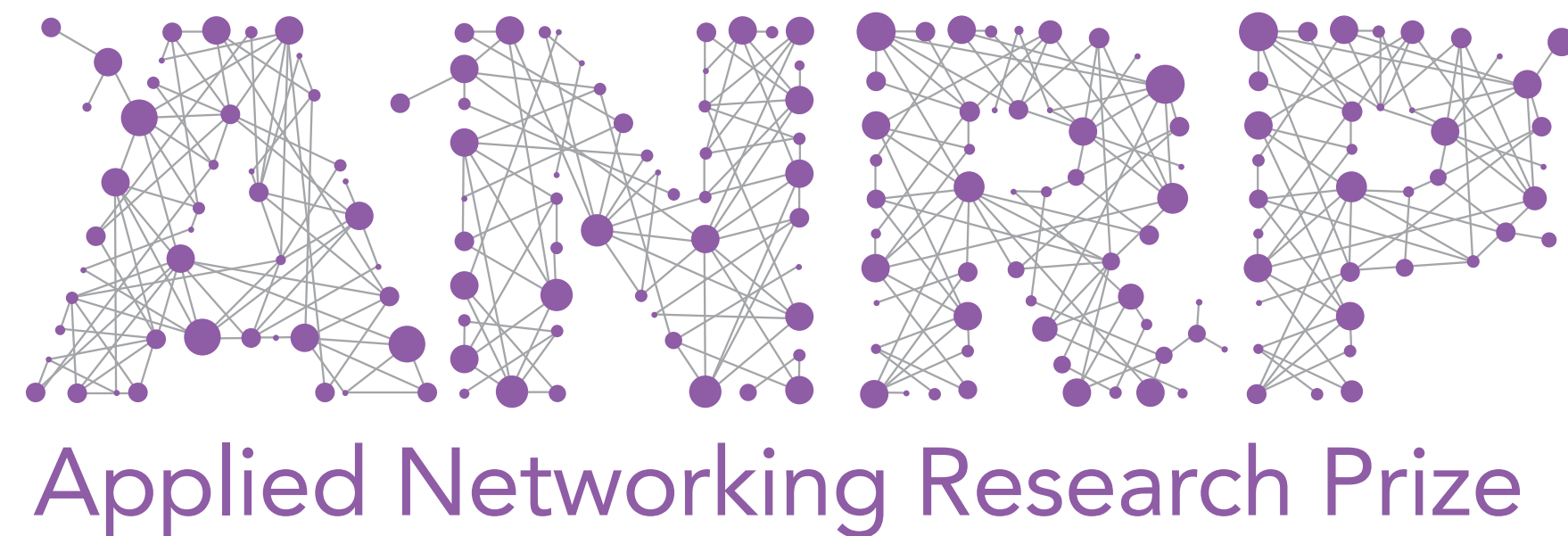
Recent IRTF Stream RFCs

RFC 9508	Information-centric Networking (ICN) Ping Protocol Specification	March 2024	ICNRG
RFC 9508	Information-centric Networking (ICN) Traceroute Protocol Specification	March 2024	ICNRG
RFC 9507	Path Steering in Content-Centric Networking (CCNx) and Named Data Networking (NDN)	March 2024	ICNRG
RFC 9510	Alternative Delta Time Encoding for Content-Centric Networking (CCNx) using Compact Floating-Point Arithmetic	March 2024	ICNRG
RFC 9497	Oblivious Pseudorandom Functions (OPRFs) Using Prime-Order Groups	December 2023	CFRG
RFC 9496	The ristretto255 and decaf448 groups	December 2023	CFRG
RFC 9505	A Survey of Worldwide Censorship Techniques	November 2023	PEARG

- 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

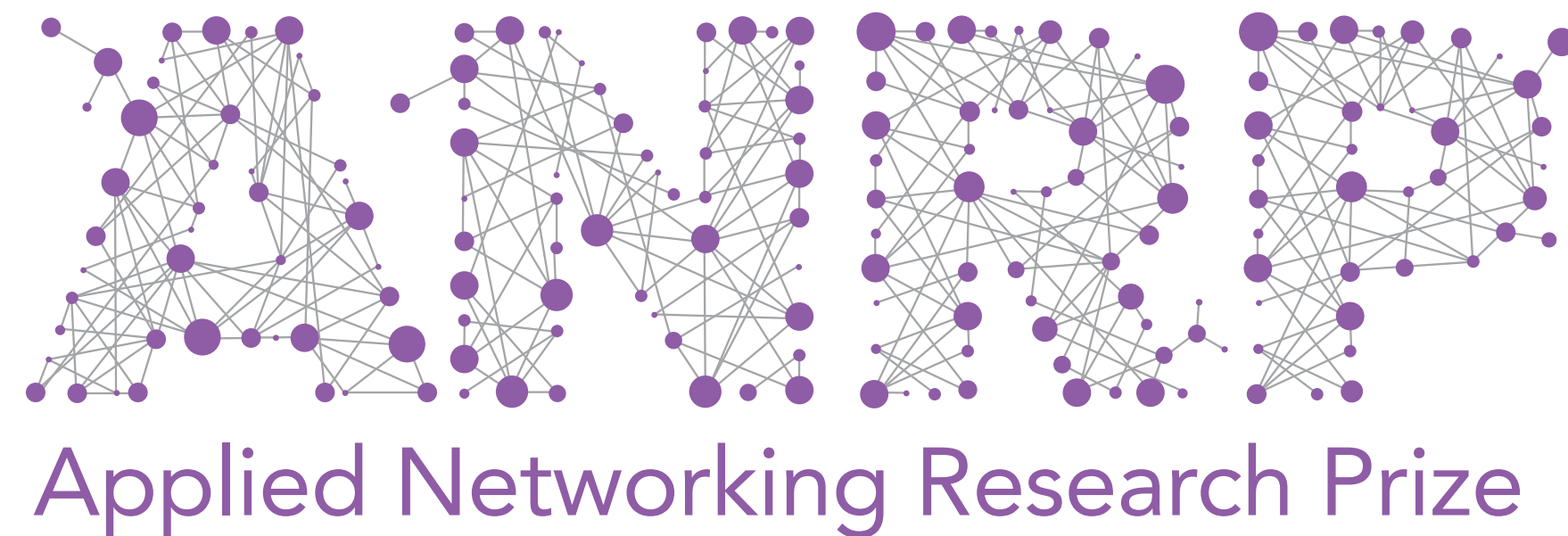
IRTF Code of Conduct

- 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
- Please review **draft-perkins-irtf-code-of-conduct** and send feedback to the IRSG at irsg@irtf.org



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



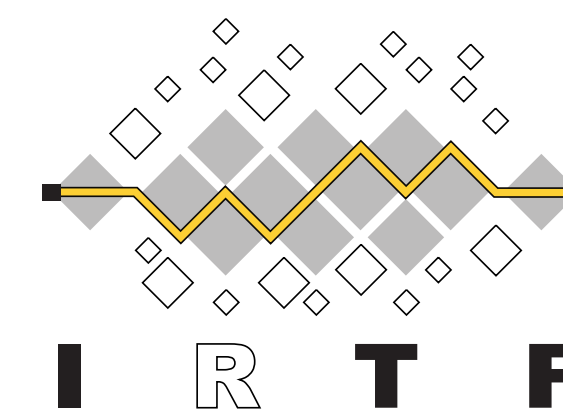
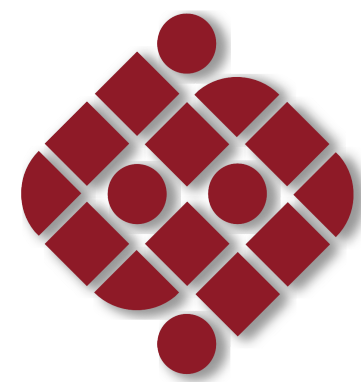
- **Dongqi Han** for his work on context shift adaptation in anomaly detection systems



- Paper and slides at <https://irtf.org/anrp/>
- Recording on IETF Channel on YouTube

Applied Networking Research Workshop

- ACM/IRTF Applied Networking Research Workshop (ANRW) **2024** will co-locate with IETF 120 in Vancouver in July 2024
- Organisers: Jayasree Sengupta, Simone Ferlin, and Ignacio Castro
- Papers due 15 April 2024
- **<https://irtf.org/anrw/2024/>**



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

We also offer travel grants to attend the ACM/IRTF Applied Networking Research Workshop and make a small number of meeting fee waivers available

<https://irtf.org/travelgrants>

Thank you to our sponsors – please contact the IRTF Chair if you wish to help expand these programmes



Agenda

Time	Topic	Speaker
17:30	Introduction and Status Update	Colin Perkins
17:45	Anomaly Detection in the Open World: Normality Shift Detection, Explanation, and Adaptation	Dongqi Han
18:30	Close	