

IRTF Open Meeting

Colin Perkins
IRTF Chair

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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

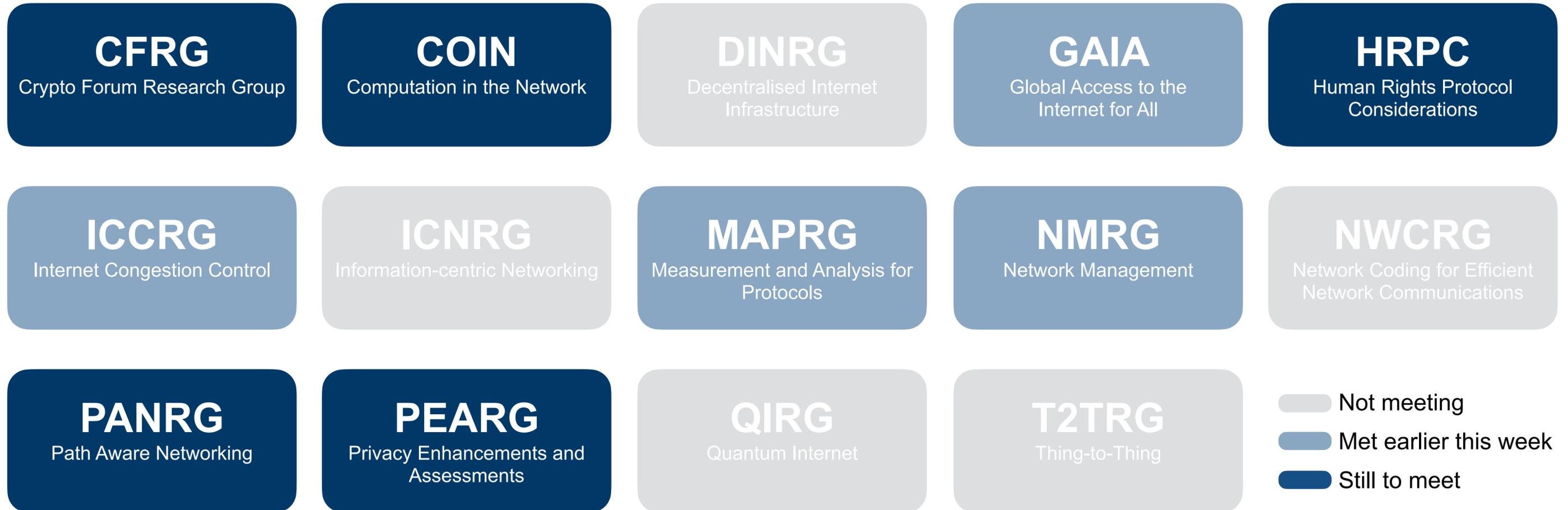
Note Well – Privacy & Code of Conduct

- 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](#)

Research Groups (1/2)



Research Groups (2/2)

- Research groups require:
 - an understanding of the research questions and problems that are interesting in a particular area, and their relevance to the Internet
 - a broad community that's actively conducting relevant research and that will bring that research to the IRTF
 - an understanding of the benefit of conducting the work in the IRTF, for both that community and the IRTF
- The goal is to understand a problem, not to lend support to a particular outcome

Recent IRTF Stream RFCs

RFC 9106 Argon2 Memory-Hard Function for Password Hashing and
Proof-of-Work Applications

September 2021 CFRG

- IRTF research groups can publish Informational and Experimental RFCs, but their 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

RFC Editor Future Development Program (1/2)

- IAB program to develop a new model for RFC Editor function, created after the departure of the previous RFC Series Editor
- Significant changes to the RFC Editor function:
 - The RFC Editor role is changing to that of a consulting editor (RFC Series Consulting Editor, or RSCE). In this model, an expert will provide guidance to the community, the streams, and to the RFC Production Centre (RPC)
 - The community will oversee the evolution of the RFC series by means of an open working group. Proposed changes that reach rough consensus will be reviewed by an RFC Series Approval Board (RSAB), comprising the RSCE along with representatives of the various streams
 - The IAB will no longer manage or oversee the RFC series. The community and the RFC publication streams will do that.

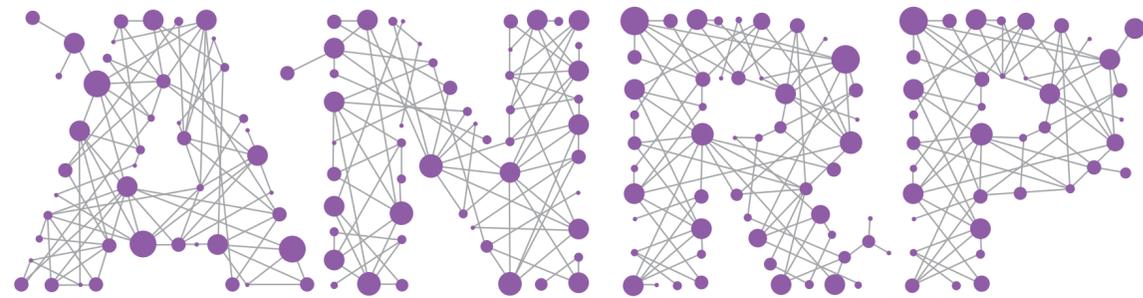
RFC Editor Future Development Program (2/2)

- This is a significant change to the administration of the RFC series that might impact the IRTF going forward
- The new model is described in **draft-iab-rfced-future-rfced-model**, and has completed last call in the IAB program and will shortly enter a community last call
- Please review and provide feedback in the RFC Editor Future Development Program meeting tomorrow, 10 November at 14:30 UTC, or via the mailing list: rfced-future@iab.org

Congratulations

- Congratulations to Vincent Roca, co-chair of NWCRG, on award of the “Ordre du mérite” of the French government for work developing the design of the ROBERT Contact Tracing and CLEA Presence Tracing protocols of the French TousAntiCovid app.

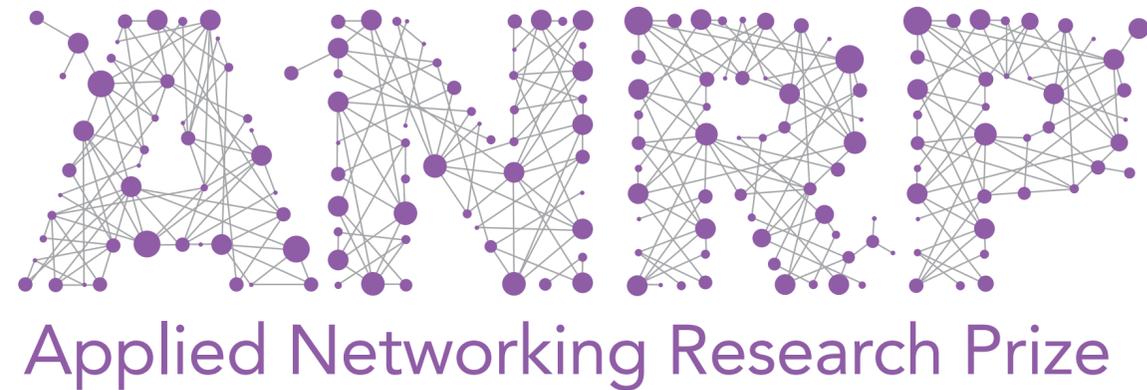




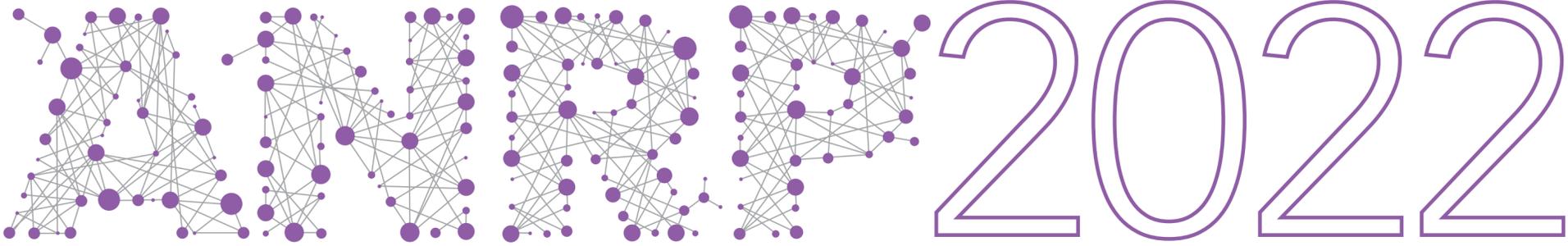
Applied Networking Research Prize



- 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



- Three ANRP award talks today:
 - **Thomas Wirtgen** for his work on the extensibility of BGP implementations & other routing protocols
 - **Aqsa Kashaf** for her work studying the effects of third-party service dependencies in the Internet
 - **Kevin Bock** for his work on Internet censorship
- Papers online at <https://irtf.org/anrp/>

The logo for ANRP 2022 features the letters 'ANRP' in a stylized font where each letter is filled with a complex network of purple nodes and connecting lines. To the right of 'ANRP', the year '2022' is written in a simple, outlined purple font. Below this graphic, the full name 'Applied Networking Research Prize' is written in a solid purple, sans-serif font.

ANRP 2022
Applied Networking Research Prize

Nominations are open for ANRP 2022

Deadline: 19 November 2021

<https://irtf.org/anrp/>

Agenda

Time (UTC)	Topic	Speaker
16:00	Introduction and Status Update	Colin Perkins
16:15	xBGP: When You Can't Wait for the IETF and Vendors	Thomas Wirtgen
16:45	Analyzing Third Party Service Dependencies in Modern Web Services: Have We Learned from the Mirai-Dyn Incident	Aqsa Kashaf
17:15	Come as You Are: Helping Unmodified Clients Bypass Censorship with Server-side Evasion	Kevin Bock
17:45	Close	

* Pre-recorded talks, live Q&A in the chat and after each talk