IRTF Open Meeting

Colin Perkins

IRTF Chair

IETF 108 / 28 July 2020

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
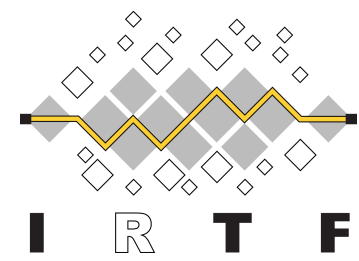
Note Well – Privacy & Code of Conduct

- 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
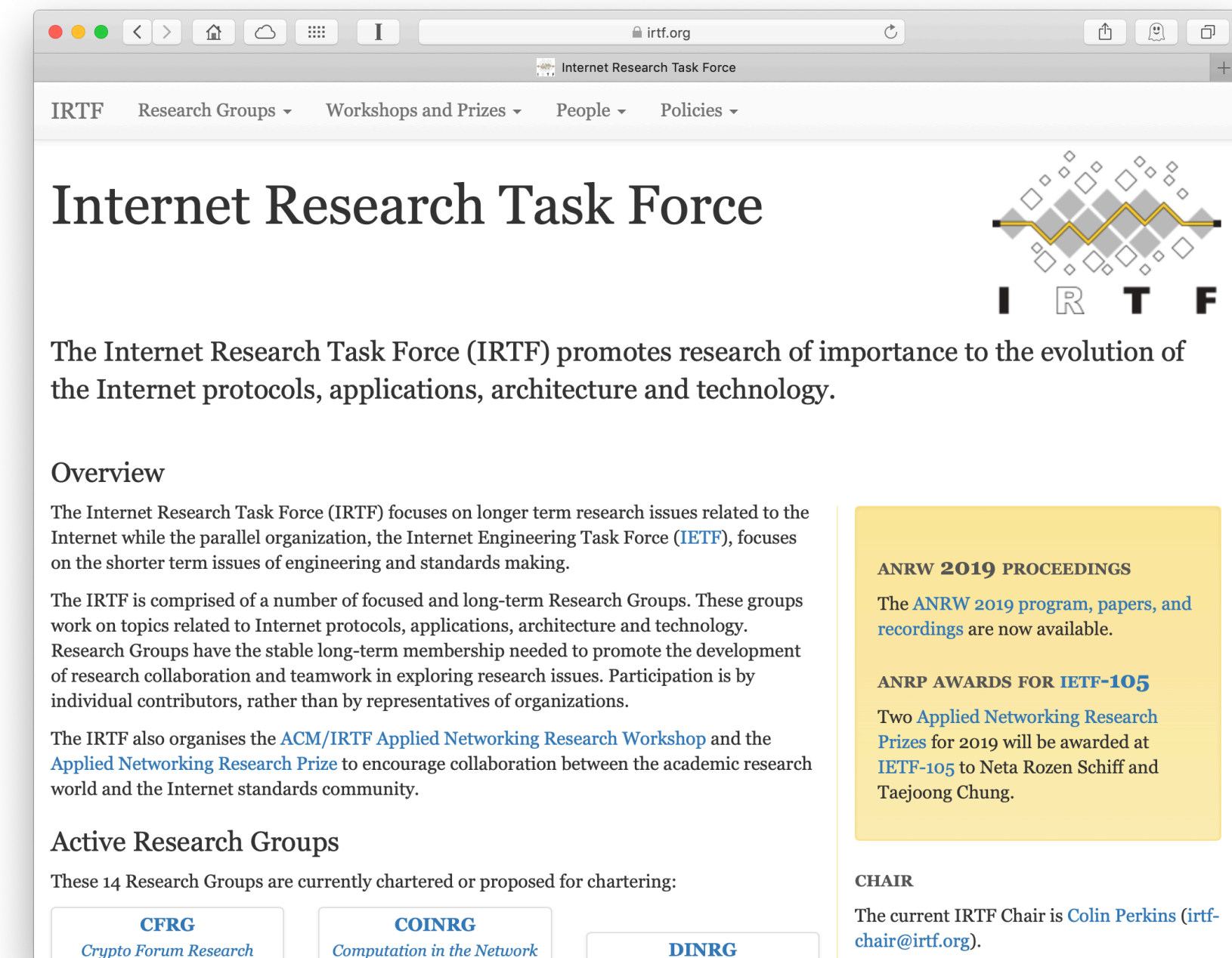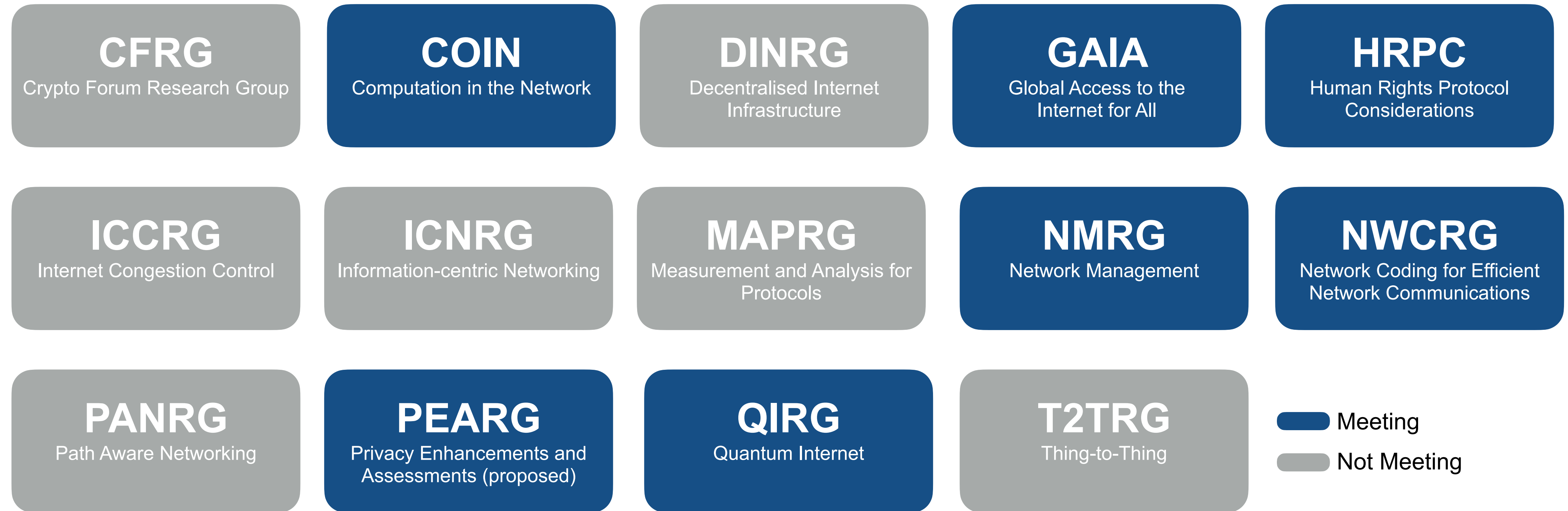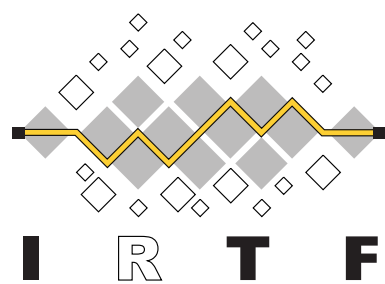
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Internet Research Task Force

The Internet Research Task Force (IRTF) promotes research of importance to the evolution of the Internet protocols, applications, architecture and technology.

Overview

The Internet Research Task Force (IRTF) focuses on longer term research issues related to the Internet while the parallel organization, the Internet Engineering Task Force (IETF), focuses on the shorter term issues of engineering and standards making.

The IRTF is comprised of a number of focused and long-term Research Groups. These groups work on topics related to Internet protocols, applications, architecture and technology. Research Groups have the stable long-term membership needed to promote the development of research collaboration and teamwork in exploring research issues. Participation is by individual contributors, rather than by representatives of organizations.

The IRTF also organises the ACM/IRTF Applied Networking Research Workshop and the Applied Networking Research Prize to encourage collaboration between the academic research world and the Internet standards community.

Active Research Groups

These 14 Research Groups are currently chartered or proposed for chartering:

ANRW 2019 PROCEEDINGS

The ANRW 2019 program, papers, and recordings are now available.

ANRP AWARDS FOR IETF-105

Two Applied Networking Research Prizes for 2019 will be awarded at IETF-105 to Neta Rozen Schiff and Taejoong Chung.

CHAIR

The current IRTF Chair is Colin Perkins (irtf-chair@irtf.org).

CFRG — Crypto Forum Research

COINRG — Computation in the Network

DINRG

- https://irtf.org/mailman/listinfo/irtf-announce – announcements
- https://irtf.org/mailman/listinfo/irtf-discuss – discussion
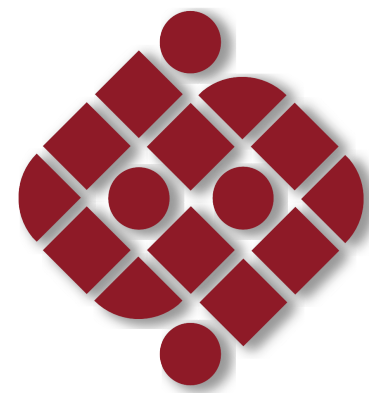
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Applied Networking Research Workshop

- Forum for researchers, vendors, network operators and Internet standards community to present and discuss emerging results in applied networking research

- ANRW 2020 taking place on Thursday and Friday, July 30-31, 2020

  - TPC chairs: Mirja Kühlewind and Roland van Rijswijk-Deij

  - **https://irtf.org/anrw/2020/** – proceedings open access in ACM Digital Library

Applied Networking Research Prize

- ANRP awarded for recent results in applied networking research that are relevant for transitioning into shipping Internet products and related standards efforts

- Three ANRP prize winning talks today:
  - **Shehar Bano** for her work to develop a taxonomy of Internet host liveness
  - **Chaoyi Lu** for his work on measuring DNS-over-encryption
  - **Ingmar Poese** for his work on traffic engineering

- Nominations for ANRP 2021 awards open on 1 September 2020
  - Nomination deadline: 22 November 2020
  - **https://irtf.org/anrp/**

Agenda

Time (UTC)	Topic	Speaker
11:00	Introduction and Status Update	Colin Perkins
11:10	Scanning the Internet for Liveness	Shehar Bano
11:40	An End-to-End, Large-Scale Measurement of DNS-over-Encryption	Chaoyi Lu
12:10	Steering Hyper-Giants' Traffic at Scale	Ingmar Poese
12:40	Close	

* Pre-recorded talks, followed by live Q&A