IRTF Open Meeting

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IRTF Chair

IETF 109 / 20 November 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
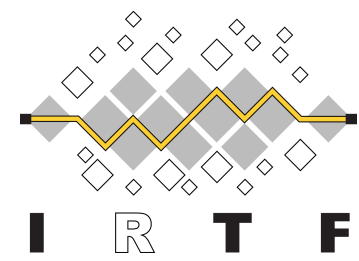
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- As a participant in, or attendee to, any IRTF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public

- 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
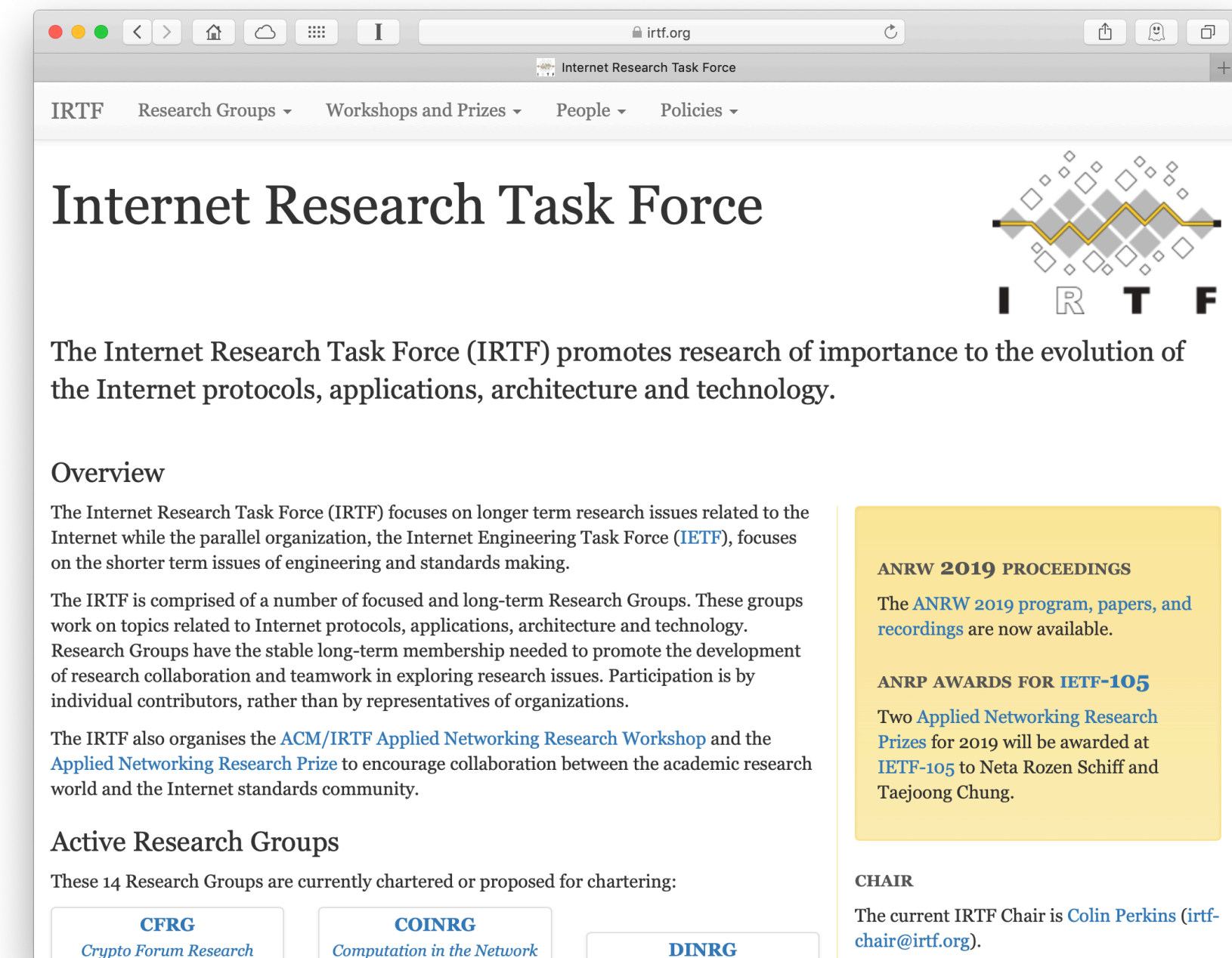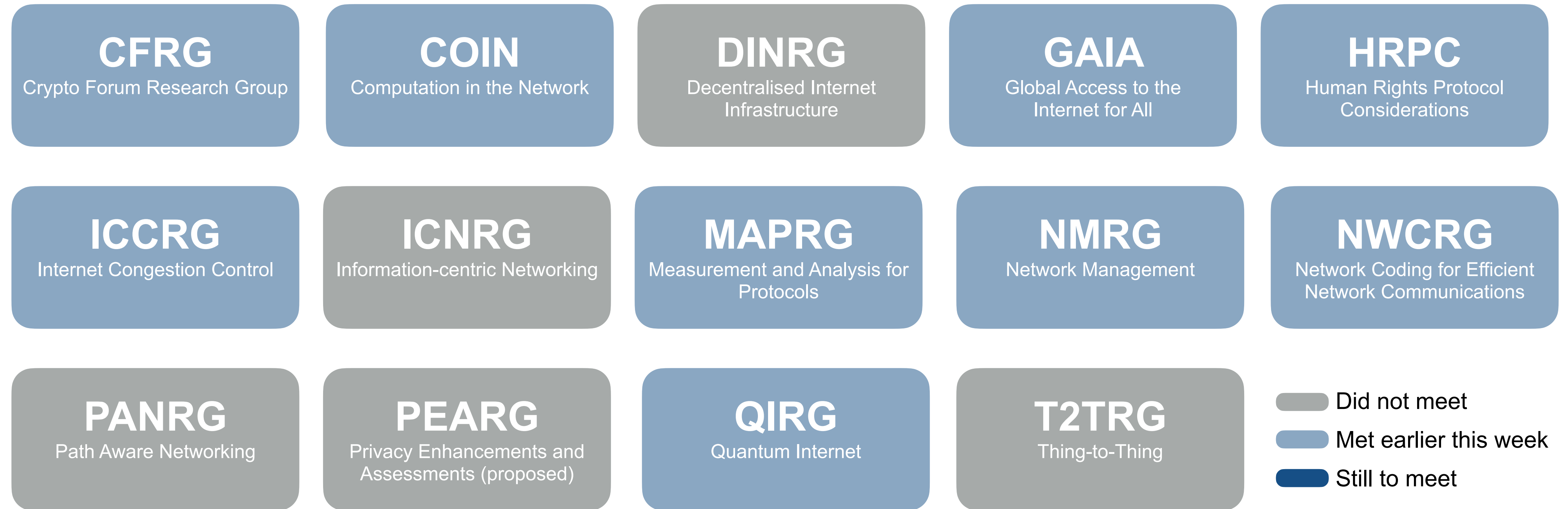
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- https://irtf.org/mailman/listinfo/irtf-announce – announcements
- https://irtf.org/mailman/listinfo/irtf-discuss – discussion

Research Groups

CFRG Crypto Forum Research Group	**COIN** 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	**NWCRG** Network Coding for Efficient Network Communications
PANRG Path Aware Networking	**PEARG** Privacy Enhancements and Assessments (proposed)	**QIRG** Quantum Internet	**T2TRG** Thing-to-Thing	

- Did not meet
- Met earlier this week
- Still to meet

Look out for interim meetings for ICNRG, PEARG, T2TRG(?), later in the year

Recent IRTF Stream RFCs

RFC 8937	Randomness Improvements for Security Protocols	October 2020	CFRG
RFC 8884	Research Directions for Using Information-Centric Networking (ICN) in Disaster Scenarios	October 2020	ICNRG
RFC 8793	Information-Centric Networking (ICN): Content-Centric Networking (CCNx) and Named Data Networking (NDN) Terminology	June 2020	ICNRG
RFC 8763	Deployment Considerations for Information-Centric Networking (ICN)	April 2020	ICNRG

Expect draft-irtf-nwcrg-network-coding-satellites-15 and draft-irtf-cfrg-argon2-12
to be published on the IRTF stream shortly

Applied Networking Research Prize (1/2)

- Awarded to recognise
  - **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

  with particular focus on people or ideas that would not otherwise get much exposure or be able to participate in the discussion

- Details and how to nominate: **https://irtf.org/anrp/**
- **Nominations for ANRP 2021 awards open until 22 November**

Applied Networking Research Prize (2/2)

- Three ANRP prize winning talks today:
  - **Debopam Bhattacherjee** for his work on the design of network topologies for low-earth orbit satellite constellations
  - **Georgia Fragkouli** for her work on Internet transparency
  - **Ranysha Ware** for her work on congestion control fairness

- Details and how to nominate: **https://irtf.org/anrp/**
- **Nominations for ANRP 2021 awards open until 22 November**

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Agenda

Time (UTC)	Topic	Speaker
09:00	Introduction and Status Update	Colin Perkins
09:15	Network Topology Design at 27,000 Km/Hour	Debopam Bhattacherjee
09:50	MorphIT: Morphing Packet Reports for Internet Transparency	Georgia Fragkouli
10:25	Beyond Jain's Fairness Index: Setting the Bar For The Deployment of Congestion Control Algorithms	Ranysha Ware
11:00	Close	

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