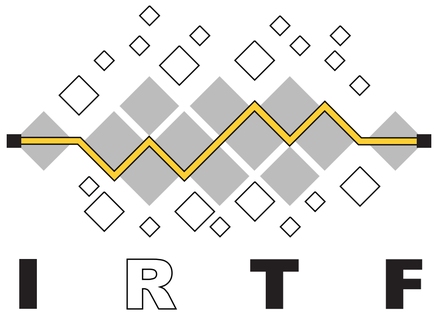


IRTF Open Meeting

Colin Perkins
IRTF Chair

IETF 113 / 22 March 2022

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
  - 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 (1/2)

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

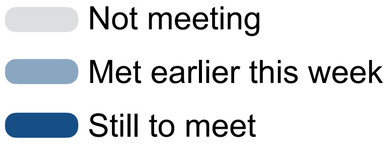
NWCRG
Network Coding for Efficient Network Communications

PANRG
Path Aware Networking

PEARG
Privacy Enhancements and Assessments

QIRG
Quantum Internet

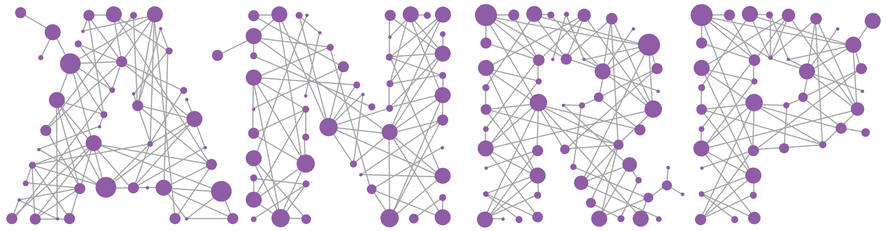
T2TRG
Thing-to-Thing



Research Groups (2/2)

- Welcome **Sofía Celi** who recently joined as co-chair of the Human Rights Protocol Considerations Research Group – replacing Avri Doria who stepped down last year
- Thank you for your service!





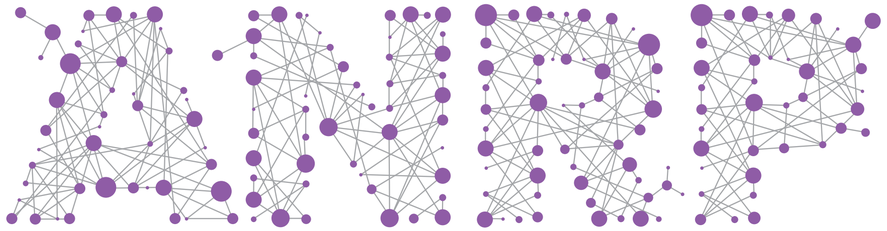
Applied Networking Research Prize

Internet Society

COMCAST

NBC UNIVERSAL

- 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



Applied Networking Research Prize

Internet Society

COMCAST

NBC UNIVERSAL

- Two award talks for IETF 113 today:
  - **Sangeetha Abdu Jyothi** for her work on the resilience of the Internet infrastructure to solar superstorms
  - **Bruce Spang** for his work showing that networking algorithm A/B tests can be biased because of network congestion

Applied Networking Research Workshop

- ACM/IRTF Applied Networking Research Workshop (ANRW) 2022 will co-locate with IETF 114 in July 2022
  - TPC chairs: Taejoong (Tijay) Chung and Marwan Fayed
  - Paper submissions due 27 April 2022
  - **https://irtf.org/anrw/2022/**





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



ANRW 2022
Applied Networking Research Workshop

IRTF

Travel Grants

- We are pleased to have provided travel grants to support several early-career academics and PhD students from under-represented groups to attend the IRTF meetings co-located with IETF 113

- We expect to offer travel grants for IETF 114 and the ANRW → **https://irtf.org/travelgrants**

Agenda

Time (UTC)	Topic	Speaker
13:30	Introduction and Status Update	Colin Perkins
13:45	Solar Superstorms: Planning for an Internet Apocalypse	Sangeetha Abdu Jyothi
14:30	Unbiased experiments in congested networks	Bruce Spang
15:15	AOB and close	