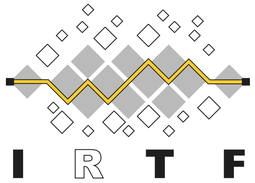
Welcome and Introduction

Chair: Tijay Chung and Marwan Fayed

Reminder: Mask Policy

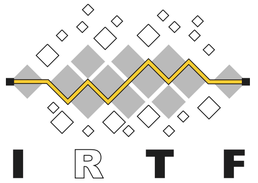
- As a COVID-safety measure, in-person participants in this meeting, and in other IETF-controlled rooms, are **required** to wear an FFP2/N95 mask, KN95/KF94/ FFP3 mask, or locally certified equivalent.
- The only exception is for chairs or presenters who are actively speaking
- Participants making comments or asking questions from the floor microphones are expected to remain masked.

Note Well – Intellectual Property



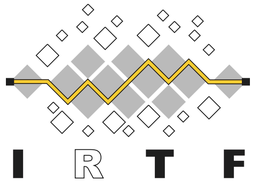
- **The IRTF follows the IETF Intellectual Property Rights (IPR) disclosure rules**
- By participating in the IRTF, you agree to follow IRTF processes and policies:
  - If you are aware that any IRTF contribution is covered by patents or patent applications that are owned or controlled by you or your 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

Thanks to the Program Committee!

Ahmed	Saeed	(Georgia Tech)
Amreesh	Phokeer	(Internet Society)
Anna	Brunstrom	(Karlstad University)
Aruna	Balasubramanian	(Stony Brook University)
Christoph	Paasch	(Apple)
Dave	Oran	(Network Systems Research & Design)
Eric	Rescorla	(Mozilla)
Jingjing	Ren	(Netflix)
Joel	Sommers	(Colgate University)
Lars	Eggert	(NetApp)
Mattijs	Jonker	(University of Twente)
Melinda	Shore	(Fastly)
Moritz	Mueller	(SIDN Labs)
Philipp	Richter	(Akamai)
Ricky	Mok	(CAIDA/UCSD)
Shumon	Huque	(Salesforce)
Simone	Ferlin-Reiter	(Ericsson AB)
Stephen	Farrell	(Trinity College Dublin)
Stephen	Strowes	(Fastly)
Tony	Tauber	(Comcast)

Thanks to the Review Task Force!

Ethan Katz-Bassett (Columbia University)

Johanna Amann (ICSI)

Helped oversee the review process to ensure that the reviews are high quality, constructive and overall useful

Thanks to the sponsors!

Logistics and Links

- Program, Paper PDFs and Presentation Videos
  - https://irtf.org/anrw/2022/program.html

ANRW’22 Program Overview

15:00-17:00 (Special Session on Protocol Specification Techniques)	**Automated Attack Synthesis by Extracting Finite State Machines from Protocol Specification Documents** Max von Hippel (Northeastern University)
	Tools for disambiguating RFCs Jane Yen (USC)
	CFRG Specifications in Theory and Practice Chris Wood (Cloudflare)

ANRW'22 Program Overview

10:10-10:45	Keynote **Layer Four and Three Quarters: Fantastic Quirks and Where to Find Them** Lucas Pardue
10:45-12:00	**Is It Really Necessary to Go Beyond A Fairness Metric for Next-Generation Congestion Control?** Safiqul Islam, Kristian Hiorth, Carsten Griwodz, and Michael Welzl **Cross-layer Network Outage Classification Using Machine Learning** Jan Marius Evang, Azza Hassan Mohamed Ahmed, Ahmed Elmukashfi, and Haakon Bryhni **On the Suitability of BBR Congestion Control for QUIC over GEO SATCOM Networks** Aitor Martin and Naeem Khademi **Priority-aware Forward Error Correction for HTTP** Nooshin Eghbal and Paul Lu