

IRTF Open Meeting

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IRTF Chair

IETF 114 / 25 July 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**

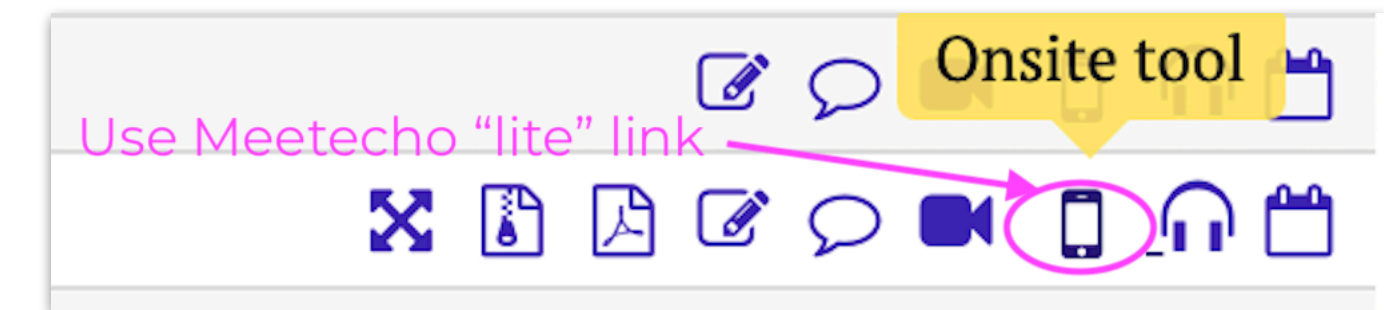
Note Well – Privacy & Code of Conduct

- 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/>

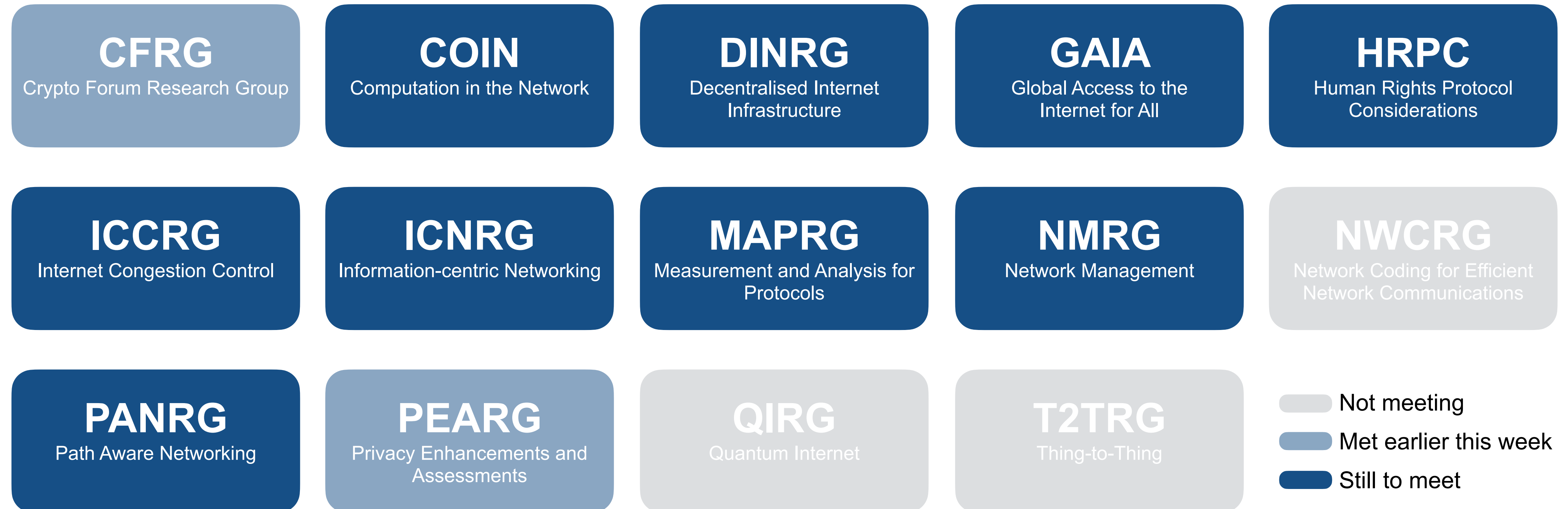
Reminder: Mask Policy

- 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.

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)



Research Groups (2/2)

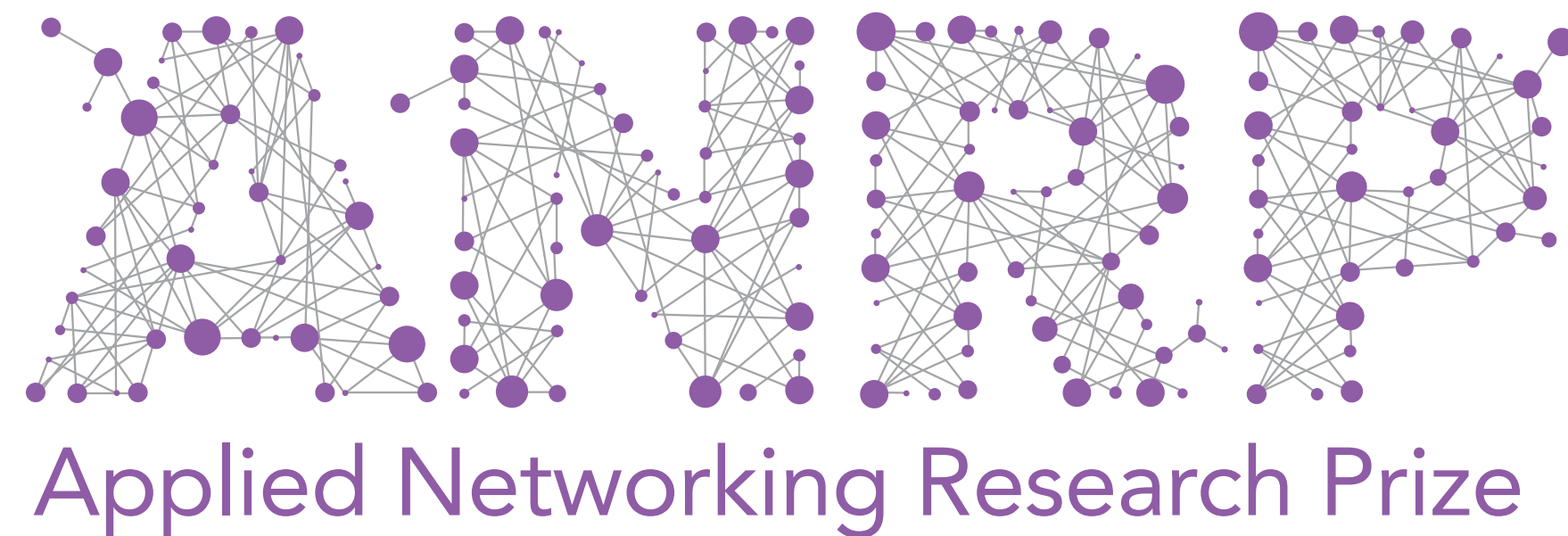
- Welcome **Kurtis Heimerl** who recently joined as co-chair of the Global Access to the Internet for All Research Group
- Kurtis joins Leandro Navarro, who plans to step down after this meeting, and Jane Coffin
- Thank you for your service!



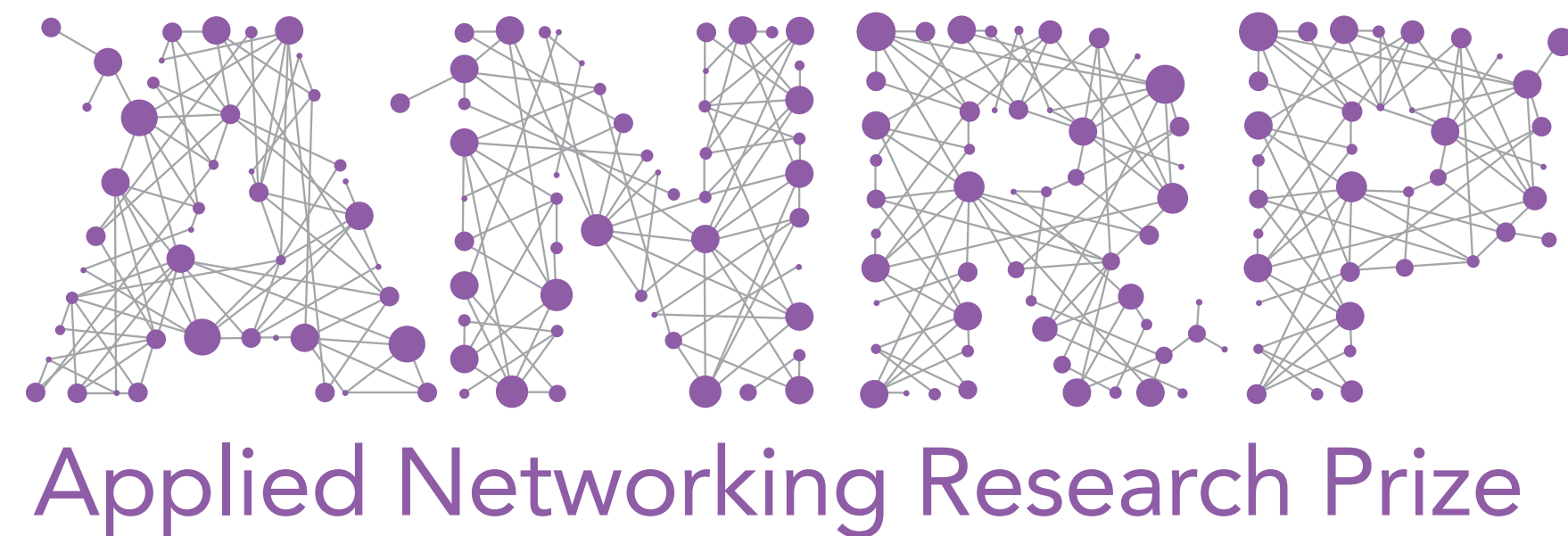
Recent IRTF Stream RFCs

RFC 9236 Architectural Considerations of Information-Centric Networking (ICN) Using a Name Resolution Service April 2022 ICNRG

- 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

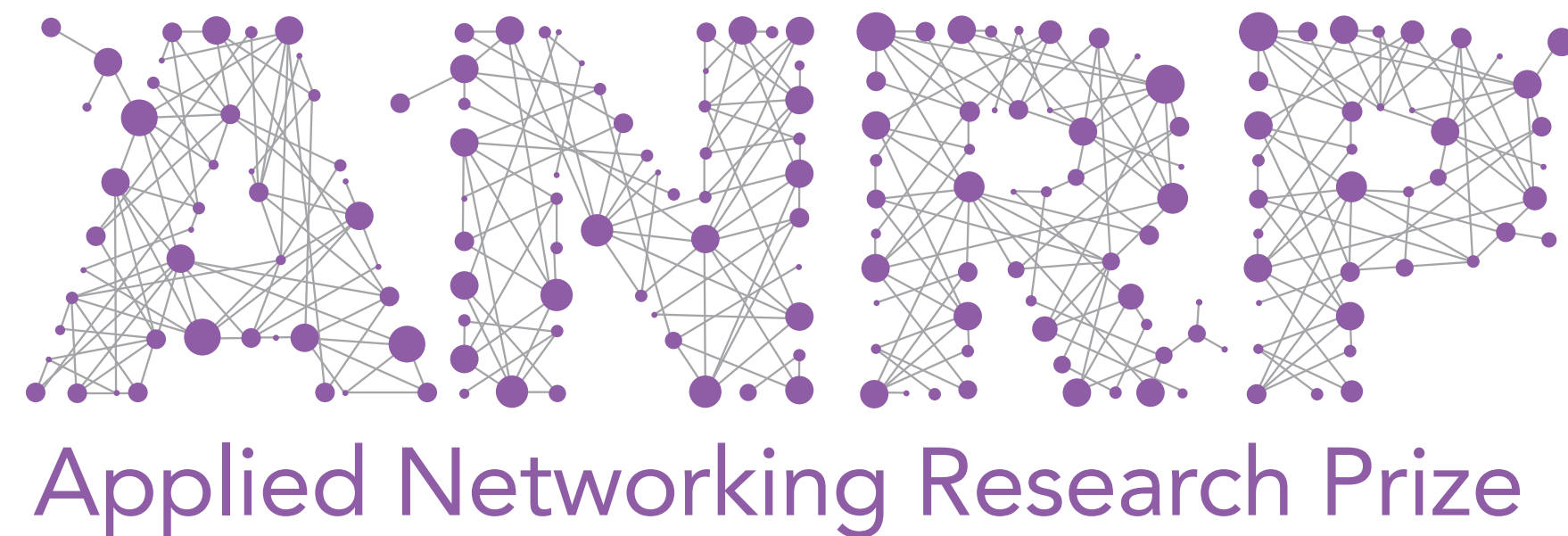


- The **Applied Networking Research Prize** recognises:
 - the best recent results in applied networking
 - interesting new research ideas of potential relevance to the Internet standards community; and
 - upcoming people that are likely to have an impact on Internet standards and technologies



- The Applied Networking research prize awards for IETF 114 go to:
- **Tushar Swamy** for his work on data plane architectures for line-rate inference
- **Sam Kumar** for his work on TCP for low-power wireless networks



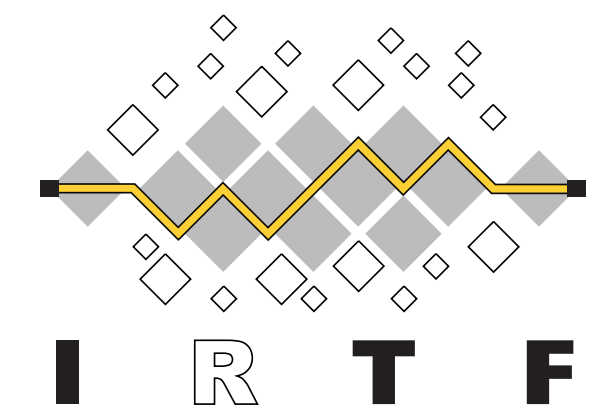
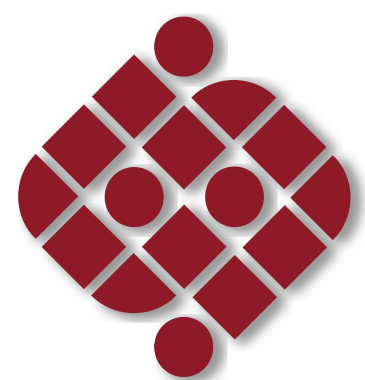


- Look out for award talks by Gautam Akiwate, Corrine Cath and Daniel Wagner at IETF 115
- Nominations for the 2023 awards will open in September 2022 at <https://irtf.org/anrp/>



Applied Networking Research Workshop

- ACM/IRTF Applied Networking Research Workshop 2022 takes place tomorrow:
 - Thanks to the TPC Chairs: Tijay Chung & Marwan Fayed
 - Four research papers, one keynote, and invited talks on novel approaches to protocol specification
 - Register at <https://irtf.org/anrw/2022/> to attend
 - Free for IETF attendees, but separate registration needed
- The next ANRW will co-locate with IETF 117 in San Francisco, in July 2023



IRTF Travel Grants

- The IRTF is pleased to offer travel grants to support early career academics and PhD students from under-represented groups to attend the IRTF meetings co-located with the IETF
- We also offer travel grants to attend the ACM/IRTF Applied Networking Research Workshop and make a small number of meeting fee waivers available
- See <https://irtf.org/travelgrants> for details
- Thank you to our sponsors – please contact the IRTF Chair if you wish to help expand these programmes



Agenda

Time	Topic	Speaker
15:00	Introduction and Status Update	Colin Perkins
15:15	Taurus: a Data Plane Architecture for per-Packet ML	Tushar Swamy
15:45	Performant TCP for low power wireless networks	Sam Kumar
16:15	AOB and close	