

# Internet Research Task Force Plenary Report

Colin Perkins  
IRTF Chair

IETF 116 / 29 March 2023

# 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**

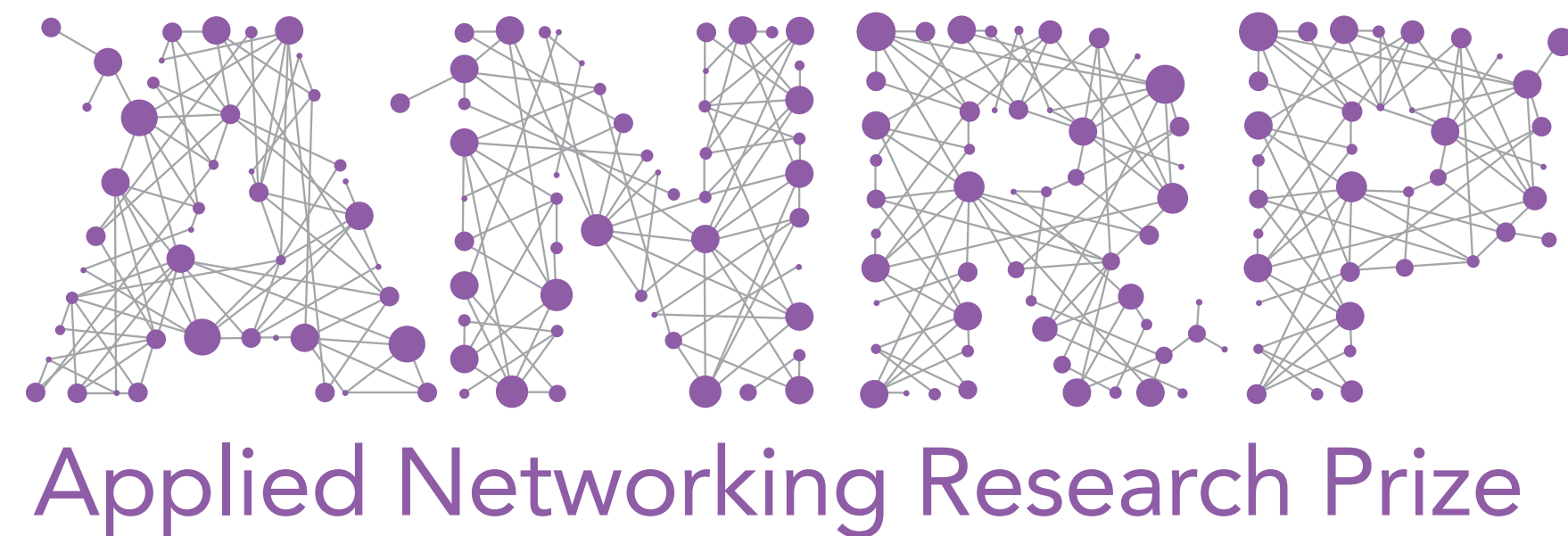
# Proposed Research Groups

- **Usable Formal Methods Proposed RG**

- Chairs: Jonathan Hoyland, Stephen Farrell
- Bring together the Internet protocol standards community and the academic research community study formal methods of protocol specification to share experience and ideas, and to understand whether/how formal methods can be employed to improve protocol standards

- **Research and Analysis of Standards-setting Processes Proposed RG**

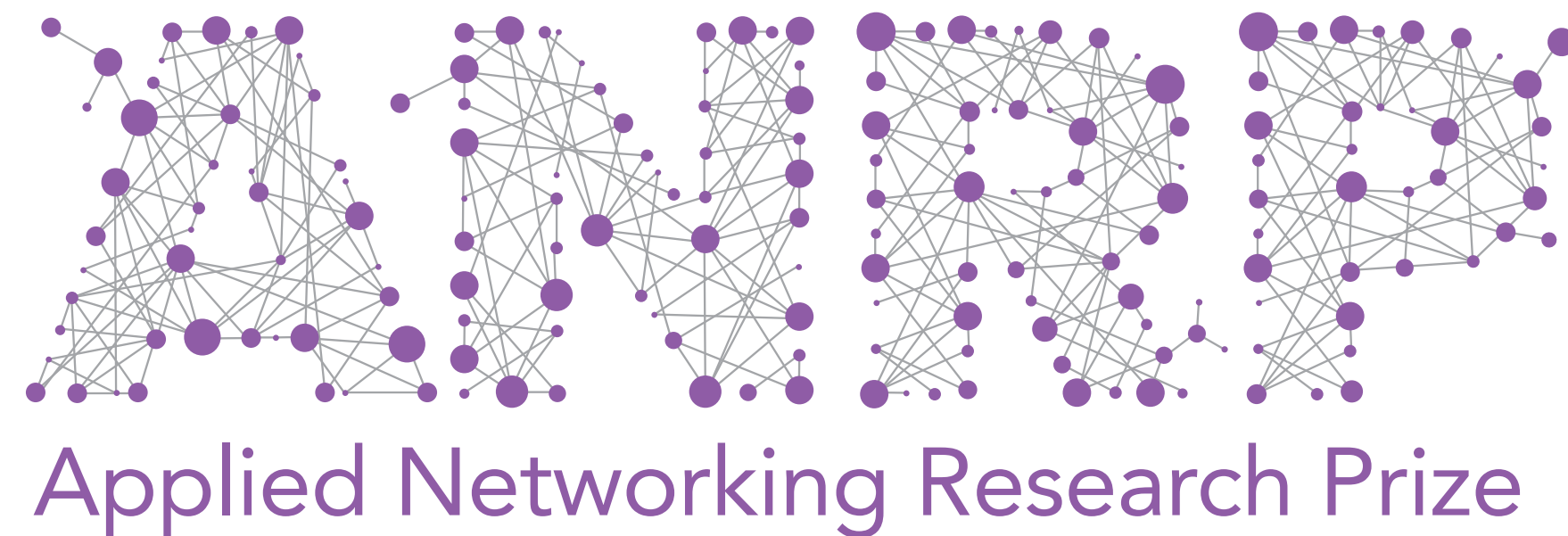
- Chairs: Ignacio Castro, Niels ten Oever
- Understanding the standards-setting process, the composition of the standards setting community, its diversity, and the impact it has on standards-setting; understanding decision-making processes in Internet standards; understanding interactions between standards-setting communities



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





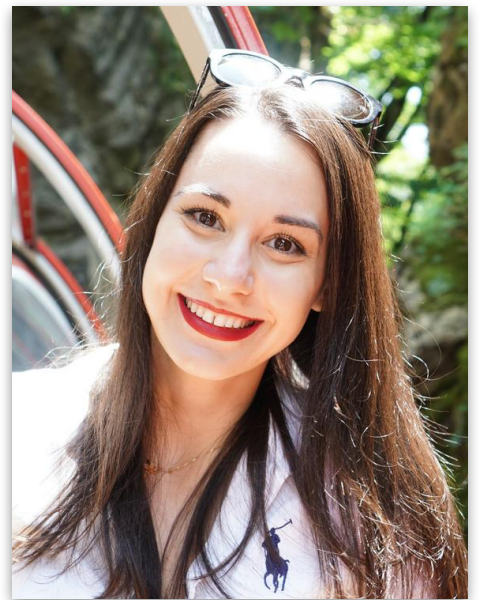
Two ANRP award talks presented during the IRTF open meeting on Monday:

- **Boris Pismenny** for his work on novel NIC offloading architectures
- **Arthur Selle Jacobs** for his work on evaluating machine learning for network security

Papers and slides at <https://irtf.org/anrp/>, recordings on the IETF Channel on YouTube

# Applied Networking Research Workshop

- ACM/IRTF Applied Networking Research Workshop (ANRW) will co-locate with IETF 117 in July 2023
- TPC chairs: Francis Yan (Microsoft) and Maria Apostolaki (Princeton)
- Paper submissions due 12 May 2023
- <https://irtf.org/anrw/2023/>



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

