

Internet Research Task Force Plenary Report

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Mission of the IRTF

- The IRTF focuses on longer term research issues related to the Internet while the IETF, focuses on the shorter term issues of engineering and standards making
 - The IRTF does not develop or seek to influence standards
 - Promote research of importance to the evolution of the Internet
 - Research groups
 - Applied Networking Research Prize
 - Applied Networking Research Workshop
- **<https://irtf.org/>**
- <https://irtf.org/mailman/listinfo/irtf-announce> – announcements
- <https://irtf.org/mailman/listinfo/irtf-discuss> – discussion

IRTF Research Groups

- 11 research groups, 3 proposed research groups – 6 still to meet

CFRG
Crypto Forum Research Group

COIN
Computation in the Network (proposed)

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

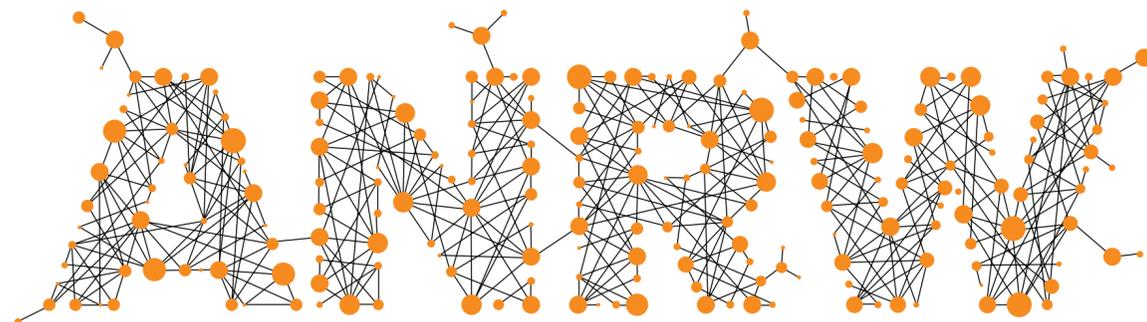
PEARG
Privacy Enhancements and Assessments (proposed)

QIRG
Quantum Internet (proposed)

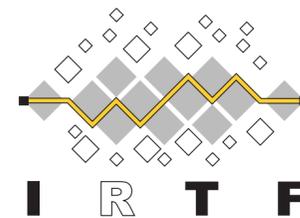
T2TRG
Thing-to-Thing

Applied Networking Research Workshop

- Forum for researchers, vendors, network operators and Internet standards community to present and discuss emerging results in applied networking research
- ANRW 2019 earlier this week – <https://irtf.org/anrw/2019/>
- ANRW 2020 will be co-located with IETF 108 in Madrid, Spain, July 2019 (provisional)



Applied Networking Research Workshop



Applied Networking Research Prize

- Awarded for recent results in applied networking research that are relevant for transitioning into shipping Internet products & related standards efforts
- Two ANRP prize winning talks yesterday:
 - **Neta Rozen Schiff** for her work on NTP security:
 - Omer Deutsch, Neta Rozen Schiff, Danny Dolev, and Michael Schapira, “Preventing (Network) Time Travel with Chronos”, Proc. Network and Distributed Systems Security Symposium 2018, San Diego, CA, USA, Feb. 2018
 - **Taejoong Chung** for his work on Understanding the Role of Registrars in DNSSEC Deployment:
 - Taejoong Chung, Roland van Rijswijk-Deij, David Choffnes, Dave Levin, Bruce M. Maggs, Alan Mislove, and Christo Wilson, “Understanding the Role of Registrars in DNSSEC Deployment”, Proc. ACM IMC, London, UK, Nov. 2017
- Two more prize talks at IETF 106
- Nominations for 2020 awards will open Sep/Oct 2019
<https://irtf.org/anrp/>

