IRTF @IETF 101

Allison Mankin, IRTF Chair

Plenary

Mission

- The Internet Research Task Force focuses on longer term research issues related to the Internet while the parallel organization, the Internet Engineering Task Force, focuses on the shorter term issues of engineering and standards making

- Organized into Research Groups (parallel to but different to WGs)

- Organized with an Internet Research Steering Group consisting of the RG Chairs and a small number of At Large members

- **NO standardization – documents from IRTF will be Experimental or Informational**

All the Research Groups (https://irtf.org)

- *Crypto Forum (CF) RG*
- *Decentralized Internet Infrastructure Proposed RG*
- *Global Access to the Internet for All (GAIA) RG*
- *Human Rights Protocol Considerations (HRPC) RG*
- *Internet Congestion Control (ICC) RG*
- *Information-Centric Networking (ICN) RG*
- *Measurement and Analysis for Protocols (MAP) RG*
- *Network Function Virtualization (NFV) RG*
- *Network Management (NM) RG*
- *NetWork Coding for Efficient Network Communications (NWC) RG*
- *Path Aware Networking (PAN) Proposed RG*
- *Thing-to-Thing (T2T) RG*

Research Groups at IETF 101

- **News: Path Aware Networking (PAN) Proposed RG supported to move to RG in its meeting yesterday**

- **News: Global Access to the Internet for All (GAIA) themed tech plenary this evening**

- All of RGs except Network Management RG (NM) are meeting this week
  - **NMRG will meet April 24 in Taipei, collocated with NOMS Conference**

- This meeting: introductory discussion of potential new group, Quantum Internet RG (QI) – **join mailing list qirg**@irtf.org

Call for Submissions: papers published recently or short new ones

ANRW 2018
Applied Networking Research Workshop

The ACM, IRTF & ISOC Applied Networking Research Workshop 2018 (ANRW'18) is an academic workshop that provides a forum for researchers, vendors, network operators, and the Internet standards community to present and discuss emerging results in applied networking research. Our other goal is to create a path for **academics to transition research back into the IETF standards and protocols** and for academics to find inspiration from topics and open problems addressed at the IETF.

We are particularly interested in topics that focus on wide-area networks and network security, but applied networking topics outside of these focus areas are also welcome.

The ANRW '18 takes place in Montreal, Quebec, Canada, the venue of the IETF-102 meeting, on Monday, July 16, 2018.

Important Dates

Submit by April 20, https://irtf.org/anrw/2018

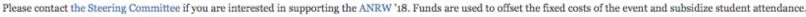**Program Chairs – Sharon Goldberg and David Choffnes**

Paper submission deadline	April 20, 2018
Paper notification deadline	May 14, 2018
Camera-ready paper deadline	June 15, 2018
ANRW'18 at IETF 102 in Montreal	**July 16, 2018**

Supporters and Sponsors

The ANRW '18 receives financial support from these organizations:

COMCAST   Akamai

Please contact the Steering Committee if you are interested in supporting the ANRW '18. Funds are used to offset the fixed costs of the event and subsidize student attendance.

The ANRW workshop series is sponsored by the following organizations:

ANRW in Montreal

- Instead of IRTF RG meetings on Monday, July 16, the workshop will be held.
- This is an experiment in which we hope to bring new participants who will join IETF and IRTF sessions on the days after.
    - Because applying research is key to the IRTF mission!
- The Workshop day will have topical blocks and we will work to mitigate conflicts with the WGs in the same time slots, to encourage IETFers to attend workshop sessions.

Another "Relationships" Note

- IRTFOPEN and RGS have speakers and discussion that often will be very engaging to IETFers

- In future we will present RG highlights in this report (perhaps mostly in writing rather than here on the stage).

- Just one example: MAPRG yesterday featured novel measurements, data, and analysis about IPv6, QUIC, HTTP2 Push and DNSSEC…

- How should we best interwork? I'm sure you have good ideas

ANRP − Best Paper Prizes − 2 Per IETF

- Applied networking and applied security

- Rotating program committees consider technical interest and IRTF/IETF potential

- *We had our biggest set of submissions ever this year!*

- **Warm Thank You to the Sponsors:**
  - **Comcast**
  - **NBC Universal**
  - **Internet Society**

- Awardees receive a monetary prize and travel to at least one IETF in that year

- Some follow-up trips for awardees as well

irtf.org @inretafo

Additional Material

FAQ: Disambiguating the ANR Things

Applied Networking Research Prize	Applied Networking Research Workshop
• Annual Call for Nominees • Prize for Already Published Paper • Two presentations at each IETF	• Annual Call for Papers • Both Already Published and New (Short) Papers • Presentations in a day-long workshop collocated with the Summer IETF