

# Internet Research Task Force Open Meeting

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Montréal, Canada / 23 July 2019

# Agenda

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
15:20	Introduction and Status Update	IRTF Chair
15:25	Update from ICNRG: CCNx RFCs	Marc Mosko
15:30	Preventing (Network) Time Travel with Chronos (ANRP Award Talk)	Neta Rozen Schiff
16:10	Understanding the Role of Registrars in DNSSEC Deployment (ANRP Award Talk)	Taejoong Chung
16:50	Close	

# About the IRTF

- The IRTF focuses on longer term research issues related to the Internet while the parallel organisation, the IETF, focuses on the shorter term issues of engineering and standards making
- **<https://irtf.org/>**
- Mailing lists:
  - <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

**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**

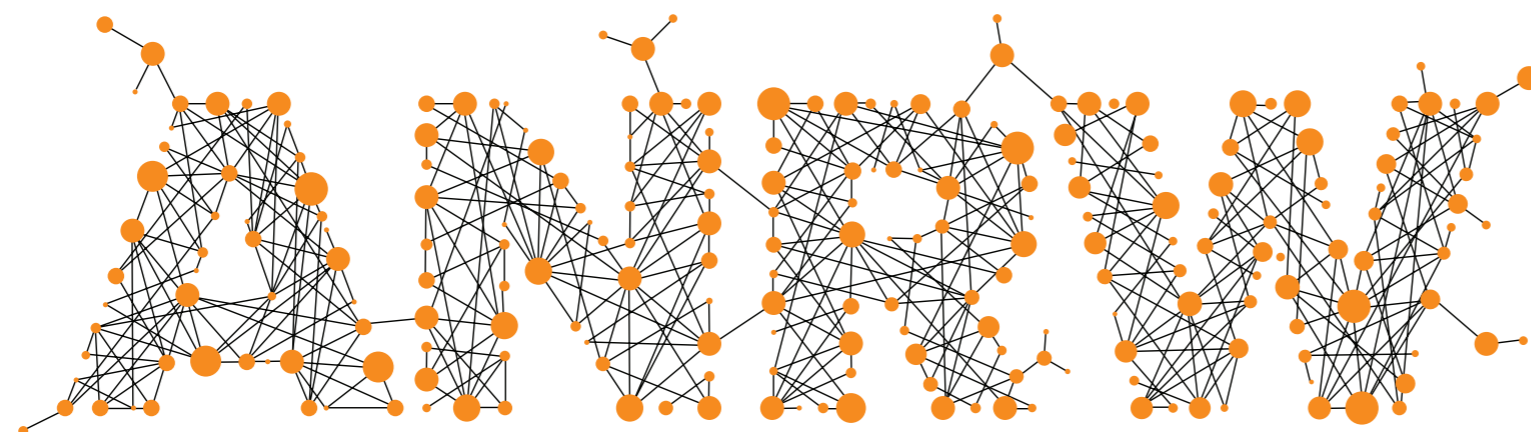
Thing-to-Thing

# Applied Networking Research Workshop

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

<https://irtf.org/anrw/> – proceedings in ACM Digital Library

ANRW 2020 will be co-located with IETF 108 in Madrid, Spain, July 2019  
(provisional)



Applied Networking Research Workshop



# Applied Networking Research Prize

- ANRP is awarded for recent results in applied networking research that are relevant for transitioning into shipping Internet products and related standards efforts
- Two ANRP prize winning talks today:
  - **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, February 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 Internet Measurement Conference, London, UK, November 2017
- Two more prize talks at IETF 106; nominations for 2020 awards will open in Autumn 2019