

Internet Research Task Force Open Meeting

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IRTF Chair

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Note Well

- This is a reminder of policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The patent policy for the IETF and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully. **The IRTF follows the same IPR disclosure rules as the IETF.**
- As a reminder:
 - By participating in the IRTF, you agree to follow IRTF processes and policies.
 - If you are aware that 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.
 - 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 IETF Privacy Statement (<https://www.ietf.org/privacy-statement/>).
 - As a participant or attendee, 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.
- Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to the RG Chairs or IRTF Chair:
 - BCP 9 (Internet Standards Process)
 - BCP 25 (Working Group processes)
 - BCP 25 (Anti-Harassment Procedures)
 - BCP 54 (Code of Conduct)
 - BCP 78 (Copyright)
 - BCP 79 (Patents, Participation)
 - <https://www.ietf.org/privacy-policy/> (Privacy Policy)
 - <https://irtf.org/ipr/>

Agenda

Time	Topic	Speaker
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

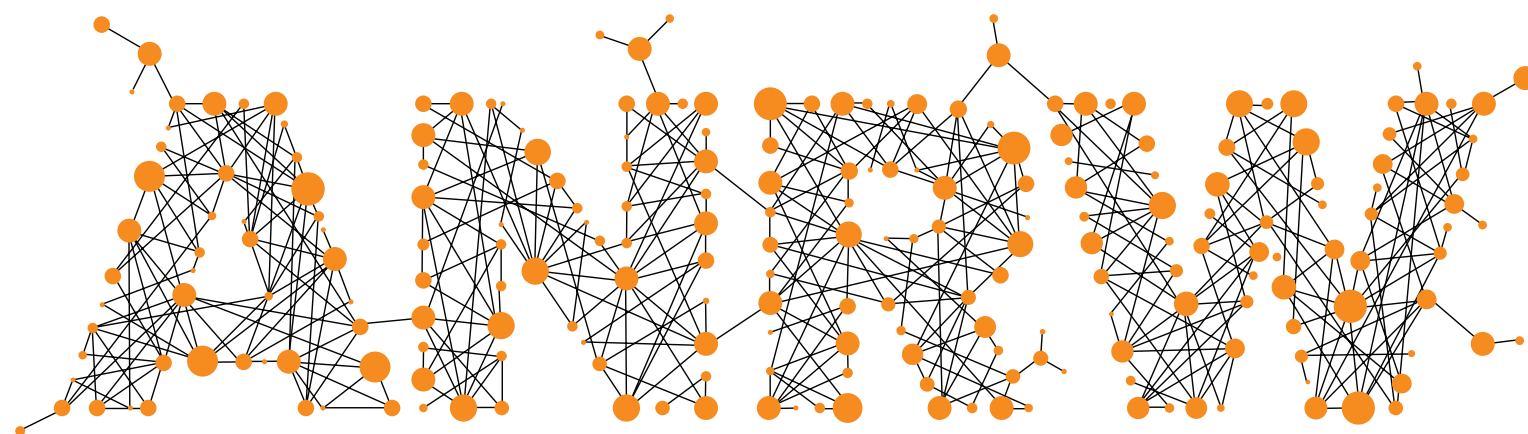
Thing-to-Thing

Applied Networking Research Workshop

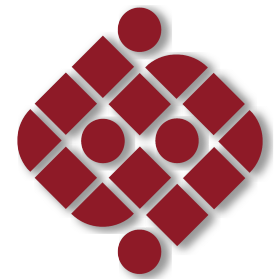
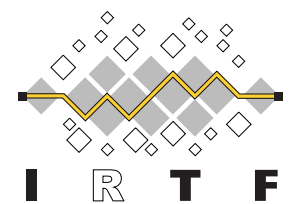
Forum for researchers, vendors, network operators and Internet standards community to present and discuss emerging results in applied networking research

<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