IRTF Open Meeting

Colin Perkins
IRTF Chair

Singapore / 18 November 2019
Note Well – Intellectual Property

• The IRTF follows the IETF Intellectual Property Rights (IPR) disclosure rules

• By participating in the IRTF, you agree to follow IRTF processes and policies:
  • If you are aware that any 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
  • The IRTF expects that you file such IPR disclosures in a timely manner – in a period measured in days or weeks, not months
  • The IRTF prefers that the most liberal licensing terms possible are made available for IRTF Stream documents – see RFC 5743
  • Definitive information is in RFC 5378 (Copyright) and RFC 8179 (Patents, Participation), substituting IRTF for IETF, and at https://irtf.org/policies/ipr
Note Well – Privacy & Code of Conduct

• 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 Privacy Policy at https://www.ietf.org/privacy-policy/

• 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

• See RFC 7154 (Code of Conduct) and RFC 7776 (Anti-Harassment Procedures), which also apply to IRTF
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

• While the IRTF can publish informational or experimental documents in the RFC series, its primary goal is to promote development of research collaboration and teamwork in exploring research issues related to Internet protocols, applications, architecture, and technology

• See “An IRTF Primer for IETF Participants” – RFC 7418
Stay Informed About IRTF

https://irtf.org

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https://www.facebook.com/inretafo/

• https://irtf.org/mailman/listinfo/irtf-announce – announcements
• https://irtf.org/mailman/listinfo/irtf-discuss – discussion
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
• ANRW 2020 will be co-located with IETF 108 in Madrid, Spain, July 2019
  • TPC chairs: Mirja Kühlewind and Roland van Rijswijk-Deij
  • https://irtf.org/anrw/2020/ – proceedings in ACM Digital Library
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.
- One ANRP prize winning talk today: Weiteng Chen for his work on wireless network security:

- Nominations for ANRP 2020 awards are now open: https://irtf.org/anrp/
  - Nomination deadline: 24 November
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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>15:50</td>
<td>Introduction and Status Update</td>
<td>Colin Perkins</td>
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<tr>
<td>16:00</td>
<td>Off-Path TCP Exploit: How Wireless Routers Can Jeopardize Your Secrets</td>
<td>Weiteng Chen</td>
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<td>16:40</td>
<td>Research Group Update: COIN</td>
<td>Marie-Jose Montpetit</td>
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<td>Relation between IRTF and IETF</td>
<td>Melinda Shore</td>
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<td>17:10</td>
<td>Moving work between IRTF and IETF</td>
<td>Aaron Falk &amp; Laurent Ciavaglia</td>
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<td>17:30</td>
<td>How can the IETF help academia (and vice versa)?</td>
<td>Marie-Jose Montpetit</td>
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