IRTF Open Meeting

Colin Perkins
IRTF Chair

IETF 108 / 28 July 2020
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
- DINRG: Decentralised Internet Infrastructure
- GAIA: Global Access to the Internet for All
- HRPC: Human Rights Protocol Considerations
- ICCRG: Internet Congestion Control
- ICNRLG: 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
- T2TRG: Thing-to-Thing

Meeting
Not Meeting
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 taking place on Thursday and Friday, July 30-31, 2020
  • TPC chairs: Mirja Kühlewind and Roland van Rijswijk-Deij
• https://irtf.org/anrw/2020/ – proceedings open access in ACM Digital Library
Applied Networking Research Prize

• ANRP awarded for recent results in applied networking research that are relevant for transitioning into shipping Internet products and related standards efforts

• Three ANRP prize winning talks today:
  • Shehar Bano for her work to develop a taxonomy of Internet host liveness
  • Chaoyi Lu for his work on measuring DNS-over-encryption
  • Ingmar Poese for his work on traffic engineering

• Nominations for ANRP 2021 awards open on 1 September 2020
  • Nomination deadline: 22 November 2020
  • https://irtf.org/anrp/
<table>
<thead>
<tr>
<th>Time (UTC)</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>11:00</td>
<td>Introduction and Status Update</td>
<td>Colin Perkins</td>
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<tr>
<td>11:10</td>
<td>Scanning the Internet for Liveness</td>
<td>Shehar Bano</td>
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<tr>
<td>11:40</td>
<td>An End-to-End, Large-Scale Measurement of DNS-over-Encryption</td>
<td>Chaoyi Lu</td>
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<tr>
<td>12:10</td>
<td>Steering Hyper-Giants’ Traffic at Scale</td>
<td>Ingmar Poese</td>
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<td>12:40</td>
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* Pre-recorded talks, followed by live Q&A