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ANRW’18 Chair’s Welcome

Sharon Goldberg (Boston University)
David Choffnes (Northeastern University)
goals of ANRW’18

1. Create a community around academic research in wide-area networking and security

2. Transition relevant results to practice
   • By disseminating results to practitioners at IETF
     • Folks that run the core Internet are here at this meeting
   • Through the IETF’s standard’s process.
     • This is where decisions are made about the design of TCP, DNS, BGP, NTP, TLS, RPKI, certificate transparency, ...
   • To encourage longer-term networking research
     • That bring results closer to practice

My advice: Don’t just wait/hope others will standardize your work, get involved!
ANRW’18 statistics

Invited talks: PC nominated 15 papers, 5 accepted
Submissions: 44 papers submitted
11 talks selected
18 posters selected

Program Committee

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<td>David Choffnes</td>
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<td>Sharon Goldberg</td>
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<td>Stephen Farrell</td>
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<td>Nick Feamster</td>
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<td>Phillipa Gill</td>
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<td>Roland van Rijswijk-Deij</td>
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<td>Cristina Nita Rotaru</td>
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<td>Nick Sullivan</td>
<td>Cloudflare</td>
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<td>Walter Willinger</td>
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Steering Committee

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<tr>
<td>Lars Eggert</td>
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<td>Mat Ford</td>
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IETF standards process: my informal overview

Internet draft (draft-goldbe-vrf)
- find a home working group (WG)
- post to WG mailing list,
- present to WG at IETF
- revise, post, present, revise, post, present, ...
- ask for “working group adoption”

adopted Internet draft (draft-irtf-cfrg-vrf)
- authors write with feedback from the WG
- revise, post, present, revise, post, present
- ask for “working group last call (WGLC)”

on the road to RFC (RFC9820)
- review by area directors, IESG, etc (you are winning if you get here)

Anyone can write one!

“Rough consensus + running code”
Aggressive Use of DNSSEC-Validated Cache

RFC 8198

Status
IESG evaluation record
IESG writeups
Email expansions
History

draft-fujiwara-dnsop-nsec-aggressiveuse
draft-ietf-dnsop-nsec-aggressiveuse
rfc8198

Document
Type
RFC - Proposed Standard (July 2017; No errata)
Updates RFC 4035
Was draft-ietf-dnsop-nsec-aggressiveuse (dnsop WG)

Last updated 2017-07-25
Replaces draft-fujiwara-dnsop-nsec-aggressiveuse
my advice for academics navigating the process

Rule #1: Find at least one “IETF native coauthor”
• They help you write the initial draft
• They help you with **initial presentation** (or they present)
• you can do this, it's like an academic presentation
• They help you **keep up with the mailing lists**
• revise draft in response to comments (with your help)
• **They keep you in the process**
• By doing follow up presos (**not** like academic presos!)
• Also they go to lots of IETFs each year. You won’t.
• They **build consensus** around draft (for adoption, WGLC)
• They help you get **running code**

Rule #2: You can have up to five coauthors. Choose wisely!
my advice for academics navigating the process

Rule #1: Find at least one “IETF native coauthor”

Rule #2: You can have up to five coauthors. Choose wisely!

Rule #3: Drafts need to be watered and fed

- Drafts expire after 6 months. Don’t let them!
- Don’t miss the draft deadline (2 weeks before each IETF!)

Rule #4: Building consensus is key

- Use hallway track to talk to WG members about your draft

My advice: Don’t just wait/hope others will standardize your work, get involved!
thank you ANRW’18 sponsors

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