Applied Networking Research Workshop 2020









Welcome and Introduction

Chairs: Roland van Rijswijk-Deij, Mirja Kühlewind

Thanks to the Program Committee!

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Thanks the sponsors!



Logistic and Links

Slack Channel #anrw2020 in SIGCOMM workspace

https://join.slack.com/t/sigcomm/shared invite/zt-erk5tjkg-bsoSc1UXlOYo3uU~E2zPVA

Program and Paper PDFs

https://irtf.org/anrw/2020/program.html

Proceedings

Proceedings of the Applied Networking Research Workshop 2020 are available from the ACM Digital Library.

All session are recorded and recordings will be made available on YouTube after the workshop.

Slides can be found in the IETF-108 proceedings:

https://datatracker.ietf.org/meeting/108/session/anrw

Some notes on Meetecho

Videos are pre-recorded, so we will take questions at the end of each presentation!

To ask a question, enter the queue (mic+hand logo), then the chairs will call you out and enable your audio!



Screenshot of media controls when sending audio..

More information on Meetecho usage can be found here:

https://www.ietf.org/media/documents/Documentation-Meetecho-IETF.pdf

ANRW'2020 Program Overview

Thursday, July 30, 2020

11:00-12:40 DNS and BGP (chair: Roland van Rijswijk-Deij)

13:00-13:50 Protocol Testing and Validation (chair: Roland van Rijswijk-Deij)

14:10-15:50 Transport Protocols and Traffic Engineering (chair: Mirja Kühlewind)

Friday, July 31, 2020

13:00-13:50 Monitoring and Logging (chair: Mirja Kühlewind)

Session 1: DNS and BGP

Enabling Privacy-Aware Zone Exchanges Among Authoritative and Recursive DNS Servers

Nikos Kostopoulos, Dimitris Kalogeras, and Vasilis Maglaris

Inferring the Deployment of Inbound Source Address Validation Using DNS Resolvers (Position Paper)

Maciej Korczynski, Yevheniya Nosyk, Qasim Lone, Marcin Skwarek, Baptiste Jonglez, and Andrzej Duda

Limiting the Power of RPKI Authorities

Kris Shrishak and Haya Shulman

Withdrawal Symptoms: Filtering of Announcements from a Route Collector System (Position Paper)

Stephen D. Strowes, René Wilhelm, and Emile Aben

Toward Programmable Interdomain Routing (Position Paper)

Qiao Xiang, Jensen Zhang, Frank Le, and Y. Richard Yang

Session 2: Protocol testing and validation

Parsing Protocol Standards to Parse Standard Protocols

Stephen McQuistin, Vivian Band, Dejice Jacob, and Colin Perkins

NeST: Network Stack Tester

Shanthanu S Rai, Narayan G, Dhanasekhar M, Leslie Monis, and Mohit P. Tahiliani

Session 3: Transport Protocols and Traffic engineering

Evaluating the Impact of Path Brokenness on TCP

Korian Edeline, and Benoit Donnet

A Congestion Control Independent L4S Scheduler

Szilveszter Nádas, Gergő Gombos, Ferenc Fejes, and Sándor Laki

Multi-Domain Information Exposure using ALTO: The Good, the Bad and the Solution (position paper)

Danny Lachos, Christian Rothenberg, Qiao Xiang, Y. Richard Yang, Börje Ohlman, Sabine Randriamasy, Luis M. Contreras, and Kai Gao

A novel hybrid distributed-routing and SDN solution for Traffic Engineering (position paper)

Stewart Bryant, Uma Chunduri, Toerless Eckert, Alexander Clemm, Luis M. Murillo, and Patricia Díez Cano

Session 4: Monitoring and Logging

Debugging QUIC and HTTP/3 with qlog and qvis

Robin Marx, Maxime Piraux, Peter Quax, and Wim Lamotte

On the Accuracy of Country-Level IP Geolocation

Ioana Livadariu, Thomas Dreibholz, Anas Saeed Al-Selwi, Haakon Bryhni, Olav Lysne, Steinar Bjørnstad, and Ahmed Elmokashfi