

Contents

Security and Privacy

Exploring Tor's Activity Through Long-Term Passive TLS Traffic Measurement	3
<i>Johanna Amann and Robin Sommer</i>	
Measuring the Latency and Pervasiveness of TLS Certificate Revocation	16
<i>Liang Zhu, Johanna Amann, and John Heidemann</i>	
Tracking Personal Identifiers Across the Web	30
<i>Marjan Falahrastegar, Hamed Haddadi, Steve Uhlig, and Richard Mortier</i>	
Like a Pack of Wolves: Community Structure of Web Trackers	42
<i>Vasiliki Kalavri, Jeremy Blackburn, Matteo Varvello, and Konstantina Papagiannaki</i>	

Mobile and Cellular

A First Analysis of Multipath TCP on Smartphones	57
<i>Quentin De Coninck, Matthieu Baerts, Benjamin Hesmans, and Olivier Bonaventure</i>	
Crowdsourcing Measurements of Mobile Network Performance and Mobility During a Large Scale Event.	70
<i>Alexander Frömmgen, Jens Heuschkel, Patrick Jahnke, Fabio Cuzzo, Immanuel Schweizer, Patrick Eugster, Max Mühlhäuser, and Alejandro Buchmann</i>	
A Study of MVNO Data Paths and Performance.	83
<i>Paul Schmitt, Morgan Vigil, and Elizabeth Belding</i>	
Detecting Cellular Middleboxes Using Passive Measurement Techniques	95
<i>Utkarsh Goel, Moritz Steiner, Mike P. Wittie, Martin Flack, and Stephen Ludin</i>	

The Last Mile

Home Network or Access Link? Locating Last-Mile Downstream Throughput Bottlenecks	111
<i>Srikanth Sundareshan, Nick Feamster, and Renata Teixeira</i>	

A Case Study of Traffic Demand Response to Broadband Service-Plan Upgrades	124
<i>Sarthak Grover, Roya Ensafi, and Nick Feamster</i>	
eXploring Xfinity: A First Look at Provider-Enabled Community Networks . . .	136
<i>Dipendra K. Jha, John P. Rula, and Fabián E. Bustamante</i>	
NAT Revelio: Detecting NAT444 in the ISP	149
<i>Andra Lutu, Marcelo Bagnulo, Amogh Dhamdhere, and K.C. Claffy</i>	
Testbeds and Frameworks	
GPLMT: A Lightweight Experimentation and Testbed Management Framework	165
<i>Matthias Wachs, Nadine Herold, Stephan-A. Posselt, Florian Dold, and Georg Carle</i>	
Periscope: Unifying Looking Glass Querying	177
<i>Vasileios Giotas, Amogh Dhamdhere, and K.C. Claffy</i>	
Analyzing Locality of Mobile Messaging Traffic using the MATAdOR Framework	190
<i>Quirin Scheitle, Matthias Wachs, Johannes Zirngibl, and Georg Carle</i>	
Web	
Scout: A Point of Presence Recommendation System Using Real User Monitoring Data	205
<i>Yang Yang, Liang Zhang, Ritesh Maheshwari, Zaid Ali Kahn, Deepak Agarwal, and Sanjay Dubey</i>	
Is the Web HTTP/2 Yet?	218
<i>Matteo Varvello, Kyle Schomp, David Naylor, Jeremy Blackburn, Alessandro Finamore, and Konstantina Papagiannaki</i>	
Modeling HTTP/2 Speed from HTTP/1 Traces	233
<i>Kyriakos Zarifis, Mark Holland, Manish Jain, Ethan Katz-Basnett, and Ramesh Govindan</i>	
Behind Box-Office Sales: Understanding the Mechanics of Automation Spam in Classifieds	248
<i>Andrew J. Kaizer, Minaxi Gupta, Mejbaol Sajib, Anirban Acharjee, and Qatrunnada Ismail</i>	

DNS and Routing

Towards a Model of DNS Client Behavior.	263
<i>Kyle Schomp, Michael Rabinovich, and Mark Allman</i>	
Detecting DNS Root Manipulation	276
<i>Ben Jones, Nick Feamster, Vern Paxson, Nicholas Weaver, and Mark Allman</i>	
Behind IP Prefix Overlaps in the BGP Routing Table	289
<i>Quentin Jacquemart, Guillaume Urvoy-Keller, and Ernst Biersack</i>	
Characterizing Rule Compression Mechanisms in Software-Defined Networks	302
<i>Curtis Yu, Cristian Lumezanu, Harsha V. Madhyastha, and Guofei Jiang</i>	

IXPs and MPLS

Blackholing at IXPs: On the Effectiveness of DDoS Mitigation in the Wild. . . .	319
<i>Christoph Dietzel, Anja Feldmann, and Thomas King</i>	
Dissecting the Largest National Ecosystem of Public Internet eXchange Points in Brazil.	333
<i>Samuel Henrique Bucke Brito, Mateus A.S. Santos, Ramon dos Reis Fontes, Danny A. Lachos Perez, and Christian Esteve Rothenberg</i>	
traIXroute: Detecting IXPs in traceroute paths.	346
<i>George Nomikos and Xenofontas Dimitropoulos</i>	
A Brief History of MPLS Usage in IPv6	359
<i>Yves Vanaubel, Pascal Mérindol, Jean-Jacques Pansiot, and Benoit Donnet</i>	

Scheduling and Timing

An Empirical Study of Android Alarm Usage for Application Scheduling . . .	373
<i>Mario Almeida, Muhammad Bilal, Jeremy Blackburn, and Konstantina Papagiannaki</i>	
Network Timing and the 2015 Leap Second.	385
<i>Darryl Veitch and Kanthaiah Vijayalayan</i>	
Can Machine Learning Benefit Bandwidth Estimation at Ultra-high Speeds?	397
<i>Qianwen Yin and Jasleen Kaur</i>	

Author Index	413
-------------------------------	-----

Passive and Active Measurement

17th International Conference, PAM 2016, Heraklion,

Greece, March 31 - April 1, 2016. Proceedings

Karagiannis, Th.; Dimitropoulos, X. (Eds.)

2016, XI, 414 p. 160 illus., Softcover

ISBN: 978-3-319-30504-2