

WNM 2015

Welcome to the 9th IEEE Workshop on Network Measurements (WNM), co-located with the 40th IEEE Conference on Local Computer Networks (LCN).

In this year's workshop, we will cover a wide range of measurement topics in 7 accepted papers and a keynote talk. We invited papers on traditional and emerging network measurement topics, and received a rich set of submissions. The topics this year range from active measurement of real broadband networks to machine learning in malicious traffic detection.

Our keynote talk will cover an interesting topic of interpreting immense amounts of measurement data resulting from an unprecedented increase in data traffic volume over the recent years. In particular, we will hear about challenges in the context of one-way traffic, and addressing them using (semi)automatic and intelligent systems.

As the importance of broadband wireline and wireless access increases and they become an integral part of our daily lives, we have readily available performance measurements and comparisons of major providers in many developed countries. However, broadband performance is not well understood in many countries, and we have a paper that offers a study with new insights from one such country. We also cover a topic of community-based traffic forwarding in a paper that applies social diversity to improve performance of message delivery. Further we present two papers that apply machine learning concepts in two vastly different environments (industrial control vs. the Internet) but with a similar goal of detecting malicious behavior. Other topics we cover this year include online video platform characterization, online social network analysis and domain name adoption.

Our review process was very thorough, with almost all papers receiving more than 3 reviews. Once the accepted papers have been selected, individual Technical Program Committee (TPC) members followed the revision process to the final version.

We would like to thank the paper authors for their interest and submissions to WNM. Many thanks to the members of the TPC for their detailed reviews. We thank the LCN Organizing Committee for their help and support. Finally, we would like to thank everyone for participating in WNM and the 40th anniversary of LCN this year. We hope you will find the program interesting, and enjoy your stay in Clearwater Beach, FL.

Aniket Mahanti
University of Auckland, New Zealand

Emir Halepovic
AT&T Labs - Research, USA

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