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# Passive and Active Measurement

15th International Conference, PAM 2014  
Los Angeles, CA, USA, March 10-11, 2014  
Proceedings



# Preface

Welcome to the proceedings of the 2014 Passive and Active Measurement (PAM) Conference. The event, which was held in Los Angeles this year, focused on research in and the practice of Internet measurements. This was the 15th PAM. Following its genesis in 2000, the conference has maintained a strong workshop feel, providing an opportunity for the presentation of innovative and early work, with lively discussion and active participation from attendees.

In 2012 the conference broadened its scope, reflecting the widening uses of network measurement and analysis methods. The aim was to facilitate the understanding of the expanding role that measurement techniques play as they become building blocks for a variety of networking environments, application profiling, and cross-layer analysis. In 2014 we continued with this wider scope, although we did not neglect PAM's core topics.

PAM 2014 attracted 76 submissions. The papers came from academia and industry from around the world. It was especially pleasing to see the global nature of submissions.

The Technical Program Committee was chosen from a group of experts in Internet measurement, drawing on past contributors to PAM including distinguished academic and industrial researchers, but also with a group of first-time members. Additionally, we aimed to have a strong global representation on the committee, and achieved this with members from around the world.

The final program of 24 papers was selected after each submission was carefully reviewed by at least three members of the Program Committee (PC), at least one of whom rated themselves as knowledgeable with regard to the content of the paper. We were delighted with the quality of reviews – they were careful, insightful, and paid attention to detail. The reviews were followed by an extensive discussion phase. PAM has traditionally avoided a large PC meeting and the difficulties it creates for a global PC and instead uses on-line discussions. This year, these were impressively robust: Reviewers provided more than 350 comments on papers, some almost as detailed as the reviews themselves. Most of the final papers were then shepherded by PC members.

This year's conference also continued the selection criteria related to reproducible research, which was established in 2013. It is our belief that one of the most pressing issues in the field of Internet measurement research is the fact that many papers report on data sets that are never disclosed. Hence, PAM strongly encourages the authors to publish their data sets.

In addition, the PC selected seven papers to appear as posters at the conference, and these are included in this volume as extended abstracts. The final program included papers on a wide range of measurement topics, and included authors from 13 countries and five continents. Our most sincere thanks go to the PC members for their diligence and care in reviewing, discussing, and

shepherding the papers that appear here, and to Marcel Flores for organizing and maintaining the HotCRP site for us.

We are also most grateful to the Steering Committee, Jelena Mirkovic, who was the local chair, and Jedidiah Crandall who served as the publicity chair. We hope that you enjoy the papers in these proceedings.

March 2014

Aleksandar Kuzmanovic  
Michalis Faloutsos

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