

## Preface

The 18th edition of the Passive and Active Measurement conference (PAM) took place in Sydney, Australia, during March 30–31, 2017. The technical program included papers on a wide range of topics in Internet measurements, including performance and troubleshooting, the Web and applications, IPv6, security, and wireless.

PAM brings together both the network research and operations communities to discuss novel network measurement and analysis techniques, with a particular focus on early-stage research. PAM has traditionally focused on research and practical applications of specific network measurements. However, over the past few years, PAM has broadened its scope to encompass measurements of networked applications and systems, content distribution networks, online social networks, overlay networks, and more. Indeed, measurement technology is needed at all layers of the stack, e.g., for power profiling of hardware components, at the MAC/network/transport layers, as well as up the stack for application profiling and even to collect user feedback. Measurement technologies are being designed for the digital home, residential access networks, wireless and mobile access, enterprise, ISP, and data-center networks. PAM encourages a broad range of submissions across all these topics. We aim at understanding the role that measurement techniques can play in networked environments and applications, across different layers, and how they can serve as building blocks for broader measurement needs. This year PAM received 87 submissions originating from most continents, including North America, South America, Europe, Asia, the Pacific, and the Middle East, with authors from both academia and industry. The program was the result of a thorough review process, followed by a two-week-long discussion phase. In the first phase of the review process, papers were assigned to Technical Program Committee (TPC) members for review. The TPC consisted of 34 recognized researchers, with expertise covering the topics of interest to PAM, and were drawn mostly from academic and research institutes but also industry. Special attention was paid this year to the TPC member selection, so as to include a mix of early career and more established researchers, as well as to ensure diversity in the institutions and countries represented. The TPC worked diligently, writing many thoughtful, fair, and thorough reviews. Most papers received three reviews by the end of this stage. Also, throughout the review process, special attention was paid to conflicts (declared by the authors or not), to guarantee impartial reviewing. Indeed, more than half of the submitted papers had TPC conflicts. Papers in conflict with TPC members were marked as conflict in the conference management system and were reviewed only by non-conflicting TPC members.

At the end of the reviewing phase, marking the beginning of the discussion phase, each paper was then assigned a discussion lead among its assigned reviewers. The discussion leads were responsible for leading and moderating the discussion. By the end of the discussion phase, a consensual decision had been made by the reviewers. This led to 20 papers being accepted out of the 87 submitted. Some of the accepted

papers were assigned a shepherd to ensure that the authors addressed the reviewers comments adequately.

The final program is the result of hard work of many individuals. We thank all the authors who submitted their work to PAM. We appreciate the effort that goes into producing a quality research paper and hope that authors received useful feedback on their submissions. As program chair, I would like to extend a big thank you to our hardworking TPC members for volunteering their time and expertise with passion.

Before closing this preface, our most sincere thanks also go to our local volunteers who devoted their time and effort to make the conference possible. We would also like to thank Prashanthi Jayawardhane and the local organization chairs, Wei Bao and Jonathan Chan, for their diligence and care in reviewing logistics and organizational details. We are also grateful to Ralph Holz, who was the finance chair, Johanna Amann as the publication chair, and Kanchana Thilakarathna, who served as the publicity chair.

We hope you enjoyed the proceedings.

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