Call for Papers

IMPORTANT DATES

Abstract Registration Due: **Sept. 6, 2012 (11:59pm PDT) HARD DEADLINE**
Submission Deadline: **Sept. 13, 2012 (11:59pm PDT) HARD DEADLINE**
Notification: **Nov. 22, 2012**
Camera Ready Due: **Dec. 20, 2012**
Conference: **March 18 - 19, 2013**

GENERAL INFORMATION

PAM seeks to bring together both the network research and operations communities to consider network measurement and analysis techniques, particularly those in the earlier stages of research.

PAM has in the past focused on research and practical applications of network measurement at Layer-3. However in 2012, PAM broadened its scope to encompass measurements of networked applications, content distribution networks, online social networks, overlay networks, and more. Measurement technology is needed at all layers of the stack: 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. Measurements technologies are being designed for the digital home, residential access networks, wireless and mobile access, enterprise, ISP and data center networks.

In recognition of these important topics, PAM is encouraging broader submissions. We aim to understand the role that measurement techniques can play in networked environments and applications, across different layers, and how they can serve as critical building blocks for broader measurement needs. At the same time, PAM also continues with its original goal, to expand the techniques, tools and practical uses of network measurement technology.

Original papers are invited, but not limited to, the following topics:

- Passive and active measurement tools: techniques, design and experience.
- Characterization studies of network usage, or end-host behaviour.
- Application-layer measurements: e.g., social networks or game performance.
- Measurements of protocol behaviour: e.g., DNS, DHCP, or routing protocols.
- Network measurements for troubleshooting and anomaly detection.
- Measurements related to network security and privacy.
- Measurements of data centers, cloud services and content distribution.
- Metrics and measurements of resilience and dependability.

- Measurement of end-user performance and quality of experience.
- Management and visualization of measurement data.
- New measurement initiatives.
- Measurement analysis techniques: e.g., traffic classification.
- Modeling of network measurement.
- Correlation of measurements across multiple layers, protocols or networks.
- Internet-oriented wireless and mobility measurements.

Although PAM traditionally attracts work that is at an early stage, works that are a reappraisal or independent validation of previous results, or which enhance the reproducibility of network measurement research, for instance by publishing new datasets on an existing topic, are explicitly included in PAM's ambit, are particularly encouraged.