Passive and Active Measurement (PAM)

Program Notes

Mark Claypool (Program Chair)
Michael Rabinovich (General Chair)

PAM Around the World

2007: Louvain-la-Neuve, Belgium
2006: Adelaide, Australia
2005: Boston, MA, USA
2004: Antibes Juan-les-Pins, France
2003: San Diego, CA, USA
2002: Fort Collins, CO, USA
2001: Amsterdam, The Netherlands
2000: Hamilton, New Zealand
Thanks to Sponsors

- Travel scholarships for students
  - Over 10
- Interest in network measurement
- Seniority, with institutional balance

Cast of Characters

**ORGANIZATION COMMITTEE**
- Michael Rabinovich: General Chair
- Mark Claypool: Program Chair
- Steve Uhlig: Publication Chair

**STEERING COMMITTEE**
- Current and previous two chairs
- Plus the conference founders
- Ian Graham and Nevil Brownlee

**TECHNICAL PROGRAM COMMITTEE**
- General guidelines (not institutionalized)
- No PC member serve 3+ consecutive years (turnover)
- A few from SC (institutional memory)
- Balance on axes: industry-academia, geography...

- Mark Allman: ICSI
- Nevil Brownlee: U of Auckland
- Mark Claypool: WPI
- Ian Graham: Endace
- Dina Papagiannaki: Intel
- Michael Rabinovich: CASE
- Matthew Roughan: U of Adelaide
- Steve Uhlig: Delft U of Tech

- Mark Allman
- Grenville Armstong
- Sidharth Chandra
- Joe Chung
- Wu-Cheng Feng
- Wu-Chi Feng
- Pål Halvorsen
- Manish Jain
- Simon Leinen
- Kang Li
- Ibrahim Metta
- Keten Mayer-Patel
- Anees Shaikh
- Colleen Shannon
- Augustin Saule
- Peter Steinke
- Ooi Wei Tsang
- Steve Uhlig
- Carey Williamson
- Craig Williams
- Huang Wu
- Michael Zink

- ICSI
- Swinburne U of Technology
- Notre Dame
- Airwaves
- Portland State University
- Portland State University
- University of Oslo
- Telchemy
- University of Georgia
- Boston University
- University of North Carolina
- IBM Research
- CAIDA
- Thomson Research
- Carnegie Mellon University
- National University of Singapore
- Delft U of Technology
- University of Calgary
- Worcester Polytechnic Institute
- Google
- University of Massachusetts

April 29-30, 2008 Passive and Active Measurement Conference (PAM) Cleveland, Ohio, USA
Call for Papers Topics

- Active Network Measurements
- Passive Network Measurements
- Performance Metrics
- Traffic Statistics
- Measurement Visualization
- New Measurement Approaches & Techniques
- Deployment of Measurement Infrastructure
- New Measurement Initiatives
- Applications of Network Measurements
- Network Measurements and Security
- Network Troubleshooting using Measurements
- Reproduce (or Refute) Previous Measurement Results

Paper Review Process

- Each paper had at least 3 reviews by TPC members
  - Careful about conflicts of interest
  - Discouraged delegation
- Added additional reviews if needed
  - Non-experts, recommended reviewers, conflicting ratings
- Overall, 9-12 reviews by each TPC member
  - Not too much load (could do quality review)
  - Could get sense of quality from local pile to help calibrate
- Papers triaged (obvious rejects, discuss)
  - Few obvious rejects (about 15%)
  - Even those shown to entire TPC for comments
- Remaining papers discussed
  - Build consensus from 3 reviewers
  - Expand discussion to larger groups, as needed
Paper Acceptance

- All papers “full”
  - No submissions for short or poster
- 79 registered
- 72 submitted (1 withdrawn)
- 23 accepted
  \[23/71\], a 32% acceptance rate
- Note, similar statistics as for the past two years

Program at a Glance

<table>
<thead>
<tr>
<th>Tuesday</th>
<th>Wednesday</th>
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<tbody>
<tr>
<td>8:00  Reg. and Breakfast</td>
<td>8:30  Breakfast</td>
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<td>8:45  Opening remarks</td>
<td>9:00  Wireless 802.11</td>
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<td>9:00  Addressing and Topology</td>
<td>10:30  Break</td>
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<td>10:30 Break</td>
<td>11:00  Tools</td>
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<td>11:00 Applications</td>
<td>12:30 Lunch</td>
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<td>12:30 Lunch</td>
<td>2:00  Charac. and Trends</td>
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<td>2:00  Classification &amp; Sampling</td>
<td>3:30  Break</td>
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<td>3:30 Break</td>
<td>4:00  Malware and Anomalies</td>
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<td>4:00  Meas. Sys. &amp; Frmwrks</td>
<td>5:00  Closing remarks</td>
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<td>6:00  Dinner</td>
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3 Papers per session
\[22-25\] minute talk, 5 minutes for questions
Award
Best Paper Based on New Dataset

- Research builds on work of others
  - Faster, better with available data
- Available data enables
  - New analyzing and comparing
  - Simulating via traces
  - Building models
  - Reproducing experiments (CFP)
- About 1/3 indicated data set contributions
- Needed good data and good paper

Best Paper Based on New Dataset!

“The Flattening Internet Topology: Natural Evolution, Unsightly Barnacles or Contrived Collapse?”

Phillipa Gill (University of Calgary)
Martin Arlitt (HP Labs/U of Calgary)
Zongpeng Li (University of Calgary)
Anirban Mahanti (Indian Inst of Tech.)
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