

WNM 2008



Third IEEE LCN Workshop on Network Measurements



October 14, 2008
8:30AM-12:30PM
Montreal, Canada

FINAL PROGRAM

8:00-8:30 Registration

8:30-10:30 Technical Papers: Network Measurement Techniques

Session Chair: **Mike MacGregor, (University of Alberta, Canada)**

- “On Measuring Available Bandwidth in Wireless Networks,” Andreas Johnsson, Research Area Packet Systems, Ericsson Research, and Mats Björkman, Dept. Computer Science and Electronics, Mälardalen University, Sweden
- “Evaluating ‘No-New-Wires’ Home Networks,” Yeting Yu, Jianping Pan, Ming Lu, Lin Cai, Daniel Hoffman, Dept. Electrical and Computer Engineering / Computer Science, University of Victoria, British Columbia, Canada
- “Detecting Changes in the Hurst Parameter,” S. Chatterjee, M.H. MacGregor and S. Bates, Dept. of Electrical and Computer Engineering/ Dept. Computing Science, University of Alberta, Canada
- “Accurate Real-Time Monitoring of Bottlenecks and Performance of Packet Trace Collection,” Javier Rubio-Loyola, Dolores Sala, Ali Ismail Ali, Universitat Pompeu Fabra, Spain
- “Speedo: Realistic Achievable Bandwidth in 802.11 through Passive Monitoring,” M. Ahmad Yar Khan, Darryl Veitch, ARC Special Centre for Ultra-Broadband Information Networks (CUBIN), Dept. E&E Engineering, University of Melbourne, Australia
- “Modeling of Multi-resolution Active Network Measurement Time-series,” Prasad Calyam and Ananth Devulapalli, Ohio Supercomputer Center, Columbus, Ohio, US.

10:45-12:15 Panel on Network Measurement Challenges and Solutions

Chair: **Anura Jayasumana (Colorado State University, USA)**

Panelists: **Joe Fournier (Communications Research Center, Canada); Valentina Alaria (Cisco);
Ying Liu (Cisco); Nabil Seddigh (Solana Networks)**

Joe Fournier is currently working as a Senior Research Engineer with the WISELAB group at the Communications Research Centre, part of Industry Canada. Previous to CRC, Joe was AVP of Wireless Network Engineering at Alcatel Networks. Previous to Alcatel, Joe held various management positions at Newbridge Networks and Intelcan Technosystems.

Valentina Alaria is a software engineer in the Advanced Architectures and Research group at Cisco. She received her MS degree in telecommunication engineering from Politecnico di Torino, Italy in 2004. Since August 2004 she has been working as software engineer at Cisco Systems, San Jose, CA, USA. Her research interests include switching architectures, buffer management, QoS and traffic measurements, congestion control algorithms, time-synchronization algorithms, services and applications delivery, distributed system architectures and databases.

Dr. Ying Liu is a software engineer in Network Management CTO office of Cisco. She received her PhD degree in 2007 and MS degree in 2003 from the Department of Computer Science, Indiana University. She received a BS degree in computer science from University of Science and Technology of China in 2001. She is a recipient of Individual Achievement Award in Cisco. Her research interest includes Large scale data management, streaming data processing, network and policy management.

Nabil Seddigh is a co-founder and President of Solana Networks with over 17 years experience in the data communications industry. Over the past 5 years, Nabil and the Solana team have worked diligently to offer products and solutions for intelligent monitoring and diagnostics of next generation IP networks. During this time, Nabil has worked closely with network managers in numerous Enterprise Networks as well as Service Providers. Prior to Solana, Nabil worked with companies such as Tropic Networks, Nortel Networks and Telesat in areas such as MPLS, Quality of Service, Routing and Network Management. He is the holder of 13 issued US Patents with 3 pending approval, and has over 25 conference and IETF publications.