

**1<sup>st</sup> International Workshop on Traffic Monitoring and Analysis (TMA'09)**  
**Organized by COST Action IC0703**  
**Aachen, Germany**  
**May 11<sup>th</sup> 2009**

**9h Keynote Talk**

Michel Mandjes - Center for Mathematics and Computer Science (CWI), The Netherlands

**10h Break**

**10h30 Session 1: QoS measurement**

***Realistic Passive Packet Loss Measurement for High-Speed Networks***

*Ales Friedl, Sven Ubik, Alexandros Kapravelos, Michalis Polychronakis, Evangelos P. Markatos*

***Inferring Queue State by Measuring Delay in a WiFi Network***

*David Malone, Douglas J Leith, Ian Dangerfield*

***Network-wide measurements of TCP RTT in 3G***

*Peter Romirer, Fabio Ricciato, Robert Franzan, Alessandro Dalconzo*

**11h30 Session 2: Rupture detection**

***Portscan Detection with Sampled NetFlow***

*Ignasi Paredes-Oliva, Pere Barlet-Ros, Josep Solé-Pareta*

***Automated Detection of Changes in Large-Scale Networks***

*Felipe Mata, Javier Aracil, Jose Luis Garcia-Dorado*

***Passive, Streaming Inference of TCP Connection Structure for Network Server Management***

*Jeff Terrell, Kevin Jeffay, F. Donelson Smith*

**12h30 Lunch**

**14h Session 3: Traffic classification**

***GTVS: Boosting the Collection of Application Traffic Ground Truth***

*Marco Canini, Wei Li, Andrew Moore*

***TIE: a community-oriented traffic classification platform***

*Alberto Dainotti, Antonio Pescapè*

***Revealing the unknown ADSL traffic using statistical methods***

*Marcin Pietrzyk, Guillaume Urvoy-Keller, Jean-Laurent Costeux*

***Accurate, fine-grained classification of P2P-TV applications by simply counting packets***

*Silvio Valenti, Dario Rossi, Michela Meo, Marco Mellia, Paola Bermolen*

***Detection and Tracking of Skype in a live 3G Network exploiting Cross Layer Information***

*Philipp Svoboda, Esa Hyytiä, Fabio Ricciato, Markus Rupp*

**15h40 Break**

**16h10 Traffic analysis & topology measurements**

***Incentives for BGP Guided IP-Level Topology Discovery***

*Benoit Donnet*

***Scaling Analysis of Wavelet Quantiles in Network Traffic***

*Giada Giorgi, Claudio Narduzzi*

***KISS: Stochastic Packet Inspection***

*Alessandro Finamore, Marco Mellia, Michela Meo, Dario Rossi*

***DTS: a Decentralized Tracing System***

*Kenji Masui, Benoit Donnet*

**17h30 Conclusion**