

**Third EuroNGI Workshop on
"New Trends in Modelling, Quantitative Methods and
Measurements"**

Auditorium "Regione Piemonte" – Torino, Italy

Thursday, June 22

9.15 – Welcome and workshop opening

9.30 – 11.00 *Modelling I*

P. Giaccone, E.o Leonardi, F. Neri (Politecnico di Torino, Italy)

"On the Behavior of Optimal Scheduling Algorithms Under TCP Sources"

M.-A. Weisser (Service Informatique Supélec, France),

"Inferring autonomous system relationships in randomly generated network models"

D. Fesehaye Kassa (Univ. of Gent, Belgium)

"Control Protocols for the Internet"

11.00 – 11.15 Coffee Break

11.15 – 12.45 *Modelling II*

A. Pacheco, H. Ribeiro (CEMAT, Portugal),

"Computation of moments of the duration of busy periods in MX/G/1/n systems"

H. Castel, L. Mokdad, N. Pekergin (GET, France)

"Bounding aggregations: Application to tandem queues"

G. Ruffo e R. Schifanella (Univ. of Torino, Italy)

"A Decentralized Recommendation System Based on Self-organizing Partnerships"

13.00 – 14.30 Lunch

14.30 – 16.00 *Measurements I*

S. Arena, R. Birke, M. Mellia, M. Petracca, C. Racca, D. Rossi (Politecnico di Torino, TOPIX, Italy)
“Multimedia and Streaming Traffic Analysis”

A. Undheim (NTNU, Norway)
“Network Calculus Server Models for Router Modelling using External Measurements”

T. Bugnazet, S. Balakrishnan, M. Becker (GET/INT, Samovar CNRS lab, France)
“A New Approach to Model and Measure Local DNS Server Performance”

16.00 – 16.15 Coffee Break

16.15 – 17.15 *Measurements II*

M. Marot, L. Mereuta, S. Balakrishnan, M. Becker (GET/INT, Samovar CNRS lab, France)
“How to compute simulation input parameters from measurements without GPS”

D. Fesehay Kassa (Univ. of Gent, Belgium)
“A Fixed Point Analysis of Video QoS”

Friday, June 23

9.15 – 10.45 *Modelling Wireless Networks*

F. Milan, J. J. Jaramillo, R. Srikant (Politecnico di Torino, Italy; UIUC, USA)
“Achieving Cooperation in Multihop Wireless Networks of Selfish Nodes”

A. Capone, M. Cesana, F. Malucelli (Politecnico di Milano, Italy)
“On the Positioning of Wireless Mesh Devices”

J. Nino-Mora (Universidad Carlos III de Madrid, Spain),
“Marginal Productivity Index policies for scheduling multiclass wireless transmissions”

10.45 – 11.00 Coffee Break

11.00 – 13.00 *Modelling III*

K. De Turck, S. Wittevrongel (Univ. of Gent, Belgium)
“Unified Analysis of ARQ protocols over a Correlated Channel”

P. Glomb (IITiS PAN, Poland)
“Network Traffic Prediction with Kernels”

T. Czachorski, J. Domanska, K. Grocha (IITiS PAN, Poland)

“Dynamics of TCP/IP flows in presence of various AQM algorithms, a fluid flow approximation model”

W. Rogiest, K. Laevens, D. Fiems, H.Bruneel (Univ. of Gent, Belgium)

“Modeling the Performance of a Multi-Wavelength Optical Buffer: a Round-Robin Approach.”

13.00 – 14.00 Lunch