



- PUBLICATIONS**
- W. Nouredine, F. Tobagi, "*Improving the Performance of Interactive TCP Applications using Service Differentiation*", in Computer Networks, Volume 40 Number 1, August 2002.
  - W. Nouredine, F. Tobagi, "*Improving the Performance of Interactive TCP Applications using Service Differentiation*", in Proceedings of INFOCOM, June 2002.
  - F. Tobagi, W. Nouredine, B. Chen, A. Markopoulou, C. Fraleigh, M. Karam, J-M Pulido, J. Kimura, "*Service Differentiation in the Internet for the Support Multimedia Traffic*", in Springer Verlag LNCS, Vol. 2170, September 2001.
  - W. Nouredine, F. Tobagi, "*Selective Back-Pressure in Switched Ethernet LANs*", in Proceedings of GLOBECOM, December 1999.
  - F. Tobagi, C. Fraleigh, M. Karam, W. Nouredine, " *Assessment of Traffic Prioritization in Switched LANs carrying Multimedia Traffic* ", Technical Report, September 1997.

**EXPERIENCE** July 00 - September 00      Nokia Research Center      Mountain View, CA  
**Research Intern**  
 Investigated different approaches to provisioning and traffic management in networks offering differentiated services, using mechanisms for measurement-based admission control and protocols such as COPS, RSVP, MPLS and OSPF. Proposed an integrated system design for automated traffic management, admission control, accounting, policy enforcement and Service Level Agreement (SLA) negotiation.

July 97 - September 97      3Com Corporation      Santa Clara, CA  
**Research Intern**  
 Worked with the 3Com Multimedia Initiative laboratory. Work involved the installation of an experimental multimedia-enabled high-speed network infrastructure, monitoring and network management covering all layers of OSI stack, traffic analysis and generation. Deployed Multicast enabled applications and analyzed their interaction with bandwidth bottlenecks. Used 3Com, Cisco and Netcom equipment and software.

July 95 - September 95      CCC International      Athens, Greece  
**Software Engineer**  
 Designed and implemented using MS Access a software system for flight information and support logistics management.

**TEACHING EXPERIENCE** 1996 - 2000      Stanford University      Stanford, CA  
**Teaching Assistant**

- September 96 - December 96 and September 00 - December 00, worked as teaching assistant for and helped in restructuring EE284, a graduate level introduction to computer networks.
- April 97 - June 97, worked as teaching assistant for and helped in creating EE384B, a course in multimedia networks.
- January 98 - March 98 and January 00 - March 00, worked as teaching assistant for and helped in expanding the material of EE384A, a graduate level course in Network Protocols and Standards. Designed and implemented programming assignments covering IEEE802.1 Spanning Tree Protocol, LAN forwarding, GARP and OSPF.

**COMPUTER SKILLS** Languages: C/C++, tcl, Java, Verilog, Perl, HTML, FORTRAN, Basic, MATLAB, Assembly language programming. Environments: UNIX and Windows. Software: MS Access, Excel, Word, PowerPoint, and MS Project, Magic, Network Simulator (ns).

**OBJECTIVE** Seeking a full-time position in engineering, research and/or design.