



Lazaros Merakos

Professor

Sector: Telecommunications and Signal Processing

Phone: +30 210 7275323

Fax: +30 210 7275144

Email: merakos@di.uoa.gr Web page: <http://cni.di.uoa.gr/merakos/>

Academic Qualifications:

- PhD (1984), Department of Electrical and Computer Engineering, State University of New York at Buffalo, USA
- MS (1981), Department of Electrical and Computer Engineering, State University of New York at Buffalo, USA
- Diploma (1978), Department of Electrical and Mechanical Engineering, National Technical University of Athens, Greece

Appointments:

- Professor, Dept. of Informatics & Telecommunications., University of Athens, 1994-today
- Associate Professor, Electrical and Computer Engineering, Dept., Northeastern University, 1989-1994.
- Assistant Professor, Electrical and Computer Engineering, Dept., Northeastern University, 1986-1989.
- Assistant Professor, University of Connecticut, Dept. of Electrical Engineering and Computer Science, 1983-1986

Teaching Activities: (current)

Undergraduate courses

- Communication Networks II

Graduate courses

- Communication Networks
- Backbone and access networks

Supervisor of 5 Ph.D. dissertations

Research Interests/Activities: (last 15 years)

- Design and performance analysis of communication networks
- Wireless/mobile communication systems and services
- Fault Tolerant Design and Architecture
- Founding Director of the Communication Networks Laboratory
- Principal investigator in about 55 R&D projects with a total budget for UoA exceeding 50 million euros

Scientific Publications/Citations:

- More than 230 papers in refereed journals and conference proceedings
- 2 US patents
- 5 book chapters
- More than 2000 citations. (H-index 23)

Top five publications

- L. Georgiadis, L. Merakos and P. Papantoni-Kazakos, "A Method for the Delay Analysis of Random Multiple-Access

Algorithms Whose Delay Process is Regenerative," *IEEE Journal on Selected Areas in Communications*, Vol. SAC-5. No. 6, July 1987

- L. Merakos and C. Bisdikian, "Delay Analysis of the N-ary Stack Random Access Algorithm," *IEEE Transactions on Information Theory*, Vol. IT-34, No. 5, September 1988
- S. Jangi and L. Merakos, "Performance Analysis of Reservation Random Access Protocols for Wireless Access Networks," *IEEE Transactions on Communications*, vol. 42, no. 3, March 1994
- G. Alyfantis, S. Hadjiefthymiades, and L. Merakos, "Exploiting User Location for Load Balancing WLANs and Improving Wireless QoS," *ACM Transactions on Autonomous and Adaptive Systems*, vol. 4, no. 2, May 2009
- D. Triantafyllopoulou, N. Passas, A. Kaloxylou and L. Merakos, "Coordinated Handover Initiation and Cross-Layer Adaptation for Mobile Multimedia Systems," *IEEE Transactions on Multimedia*, vol. 11, no. 6, Oct. 2009

Distinctions:

- Guanella Award for the Best Paper presented at the International Zurich Seminar on Mobile Communications, Zurich, 1994
- Best Paper Award in the Autonomic Networking Conference, Paris, 2006
- Best Paper Award in IEEE International Symposium on Communications, Control and Signal Processing, March 2008
- Recipient of Fellowship from the National Fellowship Foundation of Greece during undergraduate studies
- Recipient of the University of Connecticut Faculty Fellowship (1985)

Other Activities:

- Scientific Director of the [Network Operations and Management Center](#) of the University of Athens (1997-Present)
- President of the [Greek Universities Network](#) (2000-2008, 2010-today)
- Chairman of the Executive Board of the [Greek Schools Network](#) (1999-today)
- Member of the Board of the [National Research Network of Greece](#) (1996-today)
- General Chair IFIP DAIS-FMOODS 2004 Conferences
- Technical Committee Chair for Networking 2004 Conference (Wireless Networks Track), and PIMRC 2010 (Track 4)