

George D. Stamoulis, Ph.D.

Professor

Department of Informatics,
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EDUCATION

Massachusetts Institute of Technology (M.I.T.)

Ph.D., Department of Electrical Engineering and Computer Science, June 1991 (GPA 4.9/5.0)

Ph.D. Thesis: "Routing and Performance Evaluation in Interconnection Networks", advisor: Prof. J.N. Tsitsiklis

M.Sc., Department of Electrical Engineering and Computer Science, September 1988 (GPA 5.0/5.0)

M.Sc. Thesis: "Transient Analysis of Some Open Queueing Systems", advisor: Prof. J.N. Tsitsiklis

National Technical University of Athens, Greece (N.T.U.A.)

Diploma in Electrical Engineering, July 1987 (GPA 9.80/10.0, ranked 1-st in 200)

Diploma Thesis: "Queueing Analysis of Slotted Buffered Multiple Access Protocols" (in Greek),

advisors: Prof. E.D. Sykas, and E.N. Protonotarios

MAIN SCIENTIFIC INTERESTS

- Economics of telecommunication networks and clouds – Economic mechanisms for Internet traffic and cloud resource management, mechanisms for service charging, value chain analysis etc.
- Demand response in electric power systems.
- Peer-to-Peer systems and reputation and recommendation formation mechanisms for electronic environments.
- Design and evaluation of auction mechanisms for selling spectrum, for selling adwords, for trading sensor data, and in general for the allocation of digital and network resources.
- Telecommunications and electric power regulation topics.

ACADEMIC POSITIONS

Sept. 2006 – present Professor (in the field of Telecommunication Systems), Department of Informatics, Athens University of Economics and Business.

Dec. 2000 – Sept. 2006 Associate Professor (in the field of Telecommunication and Information Systems), Department of Informatics, AUEB.

Oct. '95 – Dec. 2000 Assistant Professor (in the field of Computer Networks), Department of Computer Science, University of Crete. Tenured: Febr. '99, Elected Associate Prof.: May 2000 - Member of the Telecom and Networks Division of the Institute of Computer Science, Foundation for Research and Technology-Hellas (I.C.S. - FO.R.T.H.).

ADDITIONAL WORKING EXPERIENCE

Oct. '95 – present Participated in several research projects (mostly EU-funded) on: network economics, economic mechanisms for Internet, ISP interconnection, auction and market mechanisms, peer-to-peer systems, cloud systems, power demand response etc.

Oct. '95 – present Several consulting appointments to: a) Greek telecommunications industry on: charging for services, regulatory issues, broadband access, network design and performance evaluation etc. b) the Greek Regulatory Authorities for Telecommunications and Post (EETT) and Energy (RAE) on: design and analysis of auction mechanisms for the allocation of networking capacity, spectrum and other resources, optimal fines for violation of telecom and competition laws etc.

Nov. '93 – Oct. '95 Project coordinator in greek industry.

Aug. '91 – Oct. '93 Research Associate, with the Communication Networks Group, Department of Electrical Engineering and Computer Science, NTUA.

- Oct. '91 – Sept. '93 Lecturer in the Naval Academy during military service in the Hellenic Navy.
- Sept. '87 – June '91 Research Assistant for Professor J.N.Tsitsiklis, at the Laboratory for Information and Decision Systems, M.I.T.

TEACHING EXPERIENCE

In the academic positions held, he has taught:

- several undergraduate and graduate courses in the field of "Computer Networks",
- the graduate courses "Network Economics", "Regulation Policy for Telecommunications" and "Performance evaluation of Computer Systems and Networks", "Teletraffic Theory and Models", and
- the undergraduate courses "Computer Systems Architecture" and "Introduction to Computer Science".

THESES

- **"Routing and Performance Evaluation in Interconnection Networks"**, Ph.D. Thesis (supervised by Prof. J.N.Tsitsiklis), Laboratory for Information and Decision Systems Report LIDS-TH-2035, M.I.T., May 1991.
- **"Transient Analysis of Some Open Queueing Systems"**, Master Thesis (supervised by Prof. J.N.Tsitsiklis), Laboratory for Information and Decision Systems Report LIDS-TH-1796, M.I.T., August 1988.
- **"Queueing Analysis of Slotted Buffered Multiple Access Protocols"**, Diploma Thesis (in Greek, supervised by Prof. E.D. Sykas, and E.N. Protonotarios) Department of Electrical Engineering, NTUA, July 1987.

PUBLICATIONS

- 25+ already published journal articles.
- 5 book chapters
- ~70 already published conference articles, with full-paper review.

Most of the recent publications are available in http://nes.aueb.gr/papers_date.html

LANGUAGES

- English (excellent/proficient command)
- French (good command – independent user)
- Greek (mother tongue)