CURRICULUM VITAE

George D. Papadopoulos

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Personal information: born November 21, 1940, in Athens, married with three children

Title: **Emeritus Professor** of Applied Electronics, Department of Electrical and Computer Engineering, University of Patras

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Degrees:

- **Ph.D.**, Massachusetts Institute of Technology (MIT), Electrical Engineering Department, February 1970.
- **MSEE**, Massachusetts Institute of Technology (MIT), Electrical Engineering Department, August 1964.
- **BEE**, City University of New York, Electrical Engineering Department, January 1963.

Experience/Positions held:

- **Professor Emeritus**, Electrical and Computer Engineering Department (ECE), University of Patras, 2007-present.
- **Professor** in the Electrical and Computer Engineering Department, 1975-2007.
- **Director** of the Applied Electronics Laboratory in the Department of Electrical and Computer Engineering, 1975-2007.
- **Director** of the Industrial Systems Institute operating under the auspices of the General Secretariat of Research and Technology of Greece, 1998-2003.
- **Chairman** of the Scientific Board of the Research Center DEMOKRITOS, 1997-2001.
- **Chairman** of the Electrical and Computer Engineering Department, 1991-1993.
- **Deputy Chairman** of the Electrical and Computer Engineering Department, 1995-97.
- **Head** of the Electronics and Computers Division of the ECE Department, 1994-1995 and 1997- 1998.
- **Head** of the Telecommunication and Electronics Division of the ECE Dept, 1983-84 & 1990-91.
- **Visiting Professor** at the University of MASS in Amherst, Department of Electrical and Computer Engineering, 1984-1985.
- **Director** of the Naval Research and Technology Laboratory of the Department of Defense, 1987.
- **National Representative** in the ESPRIT Management Committee, 1988-1989.
- **Consultant** in Public Organizations and Industries in Greece, 1976-present.
- **Assistant Professor** at the University of Mass. in Amherst, Department of Electrical and Computer Engineering, 1973-1975.
- **Lecturer** in the Department of Electrical Engineering, MIT, 1971-1974.

- **Research Associate** at the Research Laboratory of Electronics (RLE) of MIT, 1970-1973.
- **Research Engineer** and **Consultant** in Companies in the U.S.A., 1966-1975.
- **Teaching assistant** at MIT, 1963-1964, and **Research assistant** at MIT, 1965-1969.
- **Lecturer** in the Electrical Engineering Department at CUNY, 1964-1965.

Academic activities: As professor and director of the Applied Electronics Laboratory, developed and taught the following courses: Microelectronics, Analog Integrated Electronics, Digital Integrated Circuits and Systems, Microcomputers, Advanced Microprocessors, Communication Electronics, and the graduate courses Technology of Advanced Digital Circuits and Systems and Wireless Networked Embedded Systems. The undergraduate courses are accompanied by laboratories and the graduate courses by projects. The teaching load is shared with other faculty members of the Applied Electronics Laboratory. Other academic activities include:

- Over 240 publications in international journals and in international conferences during the last 30 years) and 30 more while working in the USA
- Books and course notes on Electronics, Microcomputers, Telecommunication Electronics
- Supervision of 25 completed doctoral dissertations (Ph.D.)
- Over 200 diploma theses (Master's level) during the past 30 years
- Reviewer in journals, conferences and European Commission evaluation committees
- Over 450 cross-citations for the work published during the last 35 years and about 100 more on the work published before that.
- www.apel.ece.upatras.gr/papadopoulos

Main research activities at the University of Patras: Wireless sensor networks, Wireless and networked embedded systems with adaptive characteristics, Microprocessor-based design, FPGAs, Microelectronics (digital, analog, mixed and RF), Communication electronics (analog, digital and radio), Distributed embedded systems for real-time applications, Integrated industrial information systems and interoperability, Computer communication networks and internetworking, Home information systems (protocols, open gateways, conformance). The above research activities were carried out in the framework of many European Union and national research projects, awarded through a competitive process, as well as contracts from industries and the public sector in Greece.

Research activities in the USA: After graduating from CUNY, was admitted with a teaching assistantship in the Department of Electrical Engineering of the Massachusetts Institute of Technology (MIT) and got the Master's degree in June 1964, having completed a thesis in the area of "photon channel communication statistics". After a year of work as Lecturer at CUNY, returned at MIT to pursue doctoral studies, again in the Department of Electrical Engineering, with a research assistantship. The Ph.D. research was carried out in the area of radio interferometry and the dissertation title was "Ku-band interferometry". The innovative aspects included the design and development of high performance electronic systems and the development of processing algorithms for the detection of very weak signals. Next, worked in the Research Laboratory of Electronics (RLE) of MIT as a

Research Associate, carrying out pioneering work in the area of Very Long Baseline Interferometers in the frequency of 22GHz. This collaboration lasted until 1974 and led to the following significant results: a) frequency synthesis in the range of 22GHz and oscillator locking to independent high stability and high accuracy sources (rubidium standards), achieving phase coherence for untethered receivers, and b) adaptation of the Maximum Likelihood Algorithm for the inversion of the measurements in the interferometer variables domain to the space variables domain. Continued and extended this line of work while being Assistant Professor in the Department of Electrical and Computer Engineering of the University of Massachusetts in Amherst. In the period 1969-74, also collaborated with the Lincoln Laboratories in the framework of very long baseline measurements.

Industrial Systems Institute (ISI): As the first director of the Industrial Systems Institute (ISI), contributed significantly in getting it started, since it was founded in 1998 under the auspices of the Ministry of Development. Awarded and supervised a significant number of research projects, both European and National. Furthermore, promoted strategic collaboration with Greek and European industries and organizations and, finally, attained a substantial number of direct contracts with industry. Today, ISI claims a very good standing in funding and research.