

# Vasilis Maglaris

## CURRICULUM VITAE (July 2022)



Vasilis Maglaris was born in Athens, Greece in 1952. He holds an Engineering Degree from the National Technical University of Athens – NTUA (Athens, Greece, 1974) and a Ph.D. degree from Columbia University (New York NY, USA, 1979). Between 1979 and 1981 he was with the Network Analysis Corporation (Great Neck NY, USA) working on electronic communications advanced projects. From 1981 to 1989 he was with the faculty of Electrical Engineering & Computer Science of Polytechnic University (Brooklyn NY, USA - now New York University Tandon School of Engineering). In 1989 he joined the faculty of the School of Electrical & Computer Engineering at NTUA, teaching and performing research on Internet technologies. In 2020 the NTUA Senate conferred upon him the title of Professor Emeritus, enabling him to continue his teaching and research activities beyond his retirement in 2019.

Professor Maglaris established the Network Management & Optimal Design (NETMODE) Laboratory within the School of Electrical & Computer Engineering at NTUA; the laboratory supports undergraduate, graduate and post-doctoral teaching and research, co-financed by European Union and National projects. He authored more than 150 research papers, regularly delivers lectures on Internet advances and supervised 20 Doctoral theses in the USA and Greece.

In addition to his academic duties, he was responsible for the development of the NTUA Campus LAN and for the establishment of GRNET (the Greek National Research & Education Network), serving as its Chairman from 1998 to 2004. He was on the board of the Greek National Regulatory Authority on Telecommunications and Posts for two terms (1995 – 2005) and an independent expert of the Greek Parliamentary Committee on Secure Communications (1996 – 2002).

From 1994 to 1996, he was the Executive Director of the National Hellenic Research Foundation (NHRF), a front research organization consisting of six Research Institutes, also hosting the National Documentation Centre and operating the largest Greek library of scientific periodicals.

From October 2004 to June 2012, he served as the Chairman of the National Research & Education Networks Policy Committee (NREN PC). The NREN PC was harmonizing policies amongst the 37 NRENs in the extended European Research Area; it was also responsible for the governance of GÉANT, the Future Internet initiative of the European Research & Academic community.

From July 2012 to June 2013, he served as the General Secretary for Research & Technology (GSRT), Greek Ministry of Education, on hold from his duties as NTUA Professor. During his tenure as GSRT he was responsible for setting and monitoring Research & Innovation policies of the Greek coalition Government within national and European Union (EU) frameworks. This included coordinated planning of University, Research Centre and Private Business R&D related to the EU Horizon 2020 Research & Innovation Programme and the Greek Structural Funds Initiative (National Strategic Reference Framework 2014-2020).

His current research interests focus on machine learning methods aiming to identify and mitigate attacks in cyber infrastructures. These include modeling and experimental verification of management architectures, statistical analysis of monitoring data, evaluation of distributed control algorithms across software-defined cyber-infrastructures, acceleration of machine learning algorithms via programmable

data planes and privacy-aware collaborative detection of cyber threats based on the Federated Learning paradigm.

Professor Maglaris created the course "[Stochastic Processes & Optimization in Machine Learning](#)" within the interdisciplinary postgraduate program "[Data Science & Machine Learning](#)" coordinated by the NTUA School of Electrical & Computer Engineering. This course is also included in the "[Mathematical Modeling in Modern Technologies & in Finance](#)" postgraduate interdisciplinary program of the NTUA School of Applied Mathematical & Physical Sciences.