

CURRICULUM VITAE



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1. PERSONAL DATA

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2. EDUCATION

- Diploma in Electrical Engineering, University of Patras, Greece, 1982.
- Master of Science, Dept. of Electr. & Comp. Engin., University of Massachusetts at Amherst, USA, 1984.
- Ph.D. in Computer Engineering & Informatics, University of Patras, Greece, 1987.

3. EMPLOYMENT HISTORY

3.1 Present Position

Professor, Open University of Cyprus, Cyprus (01.02.2018 -)

Professor, Center for Cyber and Information Security, Norwegian University of Science and Technology, Norway (2015 –)

3.2 Previous Positions

After completing my undergraduate studies, I was admitted as a graduate student to the Dept. of Electrical & Computer Engineering of the University of Massachusetts at Amherst, USA. I was also employed by the University initially as a Teaching Assistant in the Department of Electrical & Computer Engineering (September 1982- August 1983), later as a Research Assistant (March 1983 – May 1983) and then as Teaching Associate in both the Department of Electrical & Computer Engineering and the Department of Mathematics and Statistics (September 1983- February 1984), until the completion of my MSc degree in February 1984. I then returned to Greece and started my doctoral study at the University of Patras. I was also employed as an adjunct professor with the National Merchant Marine Academy in Athens (February – September 1984) and as an adjunct associate professor with the School of Technology Applications, Technological Education Institute of Patras (October 1984 - February 1987). Following the completion of my Ph.D., I moved back to Athens and served my military service with the Research Center of the Hellenic Navy (June 1987 - June 1988), while maintaining a post-doctoral researcher affiliation with the Computer Technology Institute in Patras (1988-1990). After completing my military service, I was employed by the Department of Informatics of the Technological Education Institute of Athens, initially as an adjunct associate professor (September 1988 - April 1989), then as tenured assistant professor (April 1989 – April 1991) and finally as (tenured) associate professor (April 1991 - October 1993). During 1988 - 1990 I worked as Instructor at the Department of Computer Science, University of La Verne Athens Campus. In March 1990 I started working at the University of the Aegean, initially as adjunct assistant professor of the Department of Mathematics (March 1990 – June 1994), then

as (tenured) associate professor of the Department of Mathematics (June 1994 – March 1998), professor of the Department of Mathematics (March 1998 – December 1999), and finally professor of the Department of Information and Communication Systems Engineering (December 1999– May 2007). During 1995-1997 I was also an adjunct professor with the Graduate Programme, Department of Informatics, Athens University of Economics & Business. During the time I spent with the University of the Aegean, apart from the usual academic duties, I was elected to serve as Vice-Rector of Finances & Development for two terms (March 1997 – September 2003) and as the Rector (September 2003 – September 2006). When my term as Rector finished, I was nominated by the Greek Rectors' Conference as one of the Members of the Board of the newly founded Hellenic Quality Assurance Agency for Higher Education; I remained in this position in parallel with my part-time academic duties until June 2008. In September 2006 I also took sabbatical leave to the University of Piraeus, Department of Digital Systems. In May 2007 I was invited¹ to move to the Department of Digital Systems of the University of Piraeus, as a professor. In June 2008 I was appointed by the Greek Parliament as a Member of the Board of the Hellenic Authority for Network and Information Security and Privacy (June 2008 - November 2009), retaining my full-time appointment with the University of Piraeus. In November 2009 I was appointed Secretary General for Telecommunications and Post of the Ministry of Infrastructures, Transport and Networks of the Hellenic Republic, remaining in that position partly in parallel with my academic duties until July 2012, when I resigned and returned full-time to academia. On October 1, 2015, I was appointed as Professor with the Center for Cyber and Information Security, Norwegian University of Science and Technology, Norway. In the academic years 2015-2016 and 2016-2017 I was adjunct professor of the International Hellenic University, Thessaloniki, Greece. As of February 1, 2018, I am a Professor with the Faculty of Pure and Applied Sciences and the Rector of the Open University of Cyprus, Nicosia, Cyprus.

4. TEACHING ACTIVITIES

4.1 Courses

The first time I was assigned teaching duties was in September 1982, as a teaching assistant with the Department of Electrical and Computer Engineering, University of Massachusetts at Amherst. In the three decades since, I have designed and taught a large number of undergraduate and graduate² courses. Many of these courses are supported by textbooks which I have authored/co-authored/edited; these textbooks are also being used as courseware of several similar courses in other Greek Universities. In the periods 1997-2007 and 2009-2012, I was relieved of my course teaching assignments, being Vice-Rector and then Rector of the University of the Aegean, and General Secretary of Telecommunications and Post of the Hellenic Republic, respectively.

4.2 Short Courses

In 1997 I proposed and led the establishment of an “Inter-University Co-operation Programme (ICP)”, funded by the European Commission SOCRATES programme; one of the activities within the project was the design and implementation of an intensive programme of study in information and communication systems security. The programme, named “Intensive Programme on Information and Communication Security (IPICS)” was designed as a two-week intensive course, aiming at early MSc level students. The course was initially delivered in 1998 and has since being carried out annually, in summer, by teaching staff of the participating institutions; it carries four European Credit Transfer System (ECTS) credits. Institutions that have taken part in implementing the course over the years include: University of the Aegean (GR), University of Thessaloniki (GR), University of Piraeus (GR), University of Patras (GR), Athens University of Economics & Business (GR), University of Athens (GR), Aston University (UK), University College Dublin (IR), University of Plymouth (UK), Royal Holloway College (UK), Kingston University (UK), University of Glamorgan (UK), University of Bristol (UK), University of Kent (UK), Trinity College Dublin (IR), University of Hamburg (DE), Catholic University of Leuven (BE), University of Vienna (AT), Technical University of Vienna (AT), Technical University of Graz (AT), University of Stockholm (SE), University of Lund (SE), Karlstad University (SE), University of Oulu (FI), University of Rome “La Sapienza” (IT), University of Milan (IT), Copenhagen Business School (DK), University of Essen (DE), University of Regensburg (DE), University of Malaga (ES). I have taught in this course subjects such as “Network security”, “Risk management” and “Economics of security” almost every year since 1997. More information on IPICS can be found at the IPICS 2018 site:

¹ Equivalent to chair professorship

² Graduate (MSc) courses were first introduced in Greek Universities after 1997.

<https://summer-schools.aegean.gr/IPICS2018>. IPICS was also implemented annually as a winter school, from 2000 to 2006, in Oulu, Finland; I also have taught the same subjects in this course in all but one of its occasions.

4.3 Curricula Design

In 1995 I led the design of a “model” graduate MSc curriculum in Information Security, Dependability and Safety, within the framework of an EU-funded ERASMUS project. In 1997 I led the design of the undergraduate curriculum of the Department of Information and Communication Systems Engineering of the University of the Aegean (http://www.icsd.aegean.gr/icsd_en/). I also led the design of the graduate MSc curriculum in Information and Communication Systems Security of the Department of Information and Communication Systems Engineering of the University of the Aegean (http://www.icsd.aegean.gr/icsd_en/). In 2008 I led the design of the graduate MSc curriculum in Digital Systems Security of the Department of Digital Systems of the University of Piraeus (<http://temsec.ds.unipi.gr/en/category/digital-systems-security/>).

4.4 Diploma, Master’s and Ph.D. Theses Supervision

a. Diploma theses supervision

I have supervised a large number of diploma theses at the University of Piraeus, the University of the Aegean, the University of Patras, the Technological Education Institute of Athens, and the Technological Education Institute of Patras on subjects in information and communication systems security, estimation theory, automatic control, signal processing, artificial intelligence, operating systems.

b. Master’s theses supervision

I have supervised to successful completion the theses of 62 MSc students of the Department of Digital Systems, University of Piraeus; of the School of Science and Technology of the International Hellenic University; and of the Department of Information Security and Communications Technology of NTNU. I have served as external examiner of the theses of five MSc students of the Department of Computer Science, University College Dublin. All of these theses were on subjects in Information and Communication Systems Security.

c. Ph.D. theses supervision

I have supervised or co-supervised³ to successful completion the theses of five Ph.D. students of the Department of Computer Engineering and Informatics, University of Patras; of one student of the Department of Mathematics, University of the Aegean; of seven students of the Department of Information and Communication Systems Engineering, University of the Aegean; and of four students, of the Department of Digital Systems, University of Piraeus. Six of these persons are now University Professors in Greek or foreign Universities, and three are Professors in Greek Technological Education Institutes. I have served as external examiner of the theses of two PhD students of the School of Electrical, Electronic, and Communications Engineering, University of Plymouth, U.K.; of one student of the Department of Computer Science, University of Jyväskylä, Finland (two theses); of three students of the Faculty of Engineering, The Built Environment and Information Technology, University of Pretoria, South Africa; of one student of the School of Computing, Electronics and Mathematics, Faculty of Science and Engineering, University of Plymouth, U.K.; of one student of the School of Information Sciences, University of Tampere, Finland; and of one student of the Department of Computer Science, Karlstad University, Sweden. I have also served as member of numerous examination committees of PhD theses in several Greek Universities. I am currently supervising the theses of five Ph.D. students of the Department of Digital Systems, University of Piraeus, and of five students of the Department of Information Security and Communication Technology, Norwegian University of Science and Technology.

³ PhD theses in Greek Universities are jointly supervised by a three-member committee; one of the members is the supervisor. I have been a member of a very large number of PhD supervision committees; the ones listed here are those in the supervision of which either I was the supervisor or I contributed a substantial part (more than 50%) of the overall supervision effort.

5. RESEARCH ACTIVITIES

5.1 Research Interests

My areas of specialization and my technical and research interest lie within the fields of Information and Communication Systems Security; Adaptive Estimation and Control Theory Applications; Applications of evolutionary computing – Genetic Algorithms.

5.2 Research Contributions

I have been an active researcher in my fields of interest continuously since 1984, when I started working towards my PhD. Initially (1984-1990), my research focused exclusively on applied estimation theory and adaptive control, and in particular the extension and application of the multimodel partitioning approach to estimation and control of Lainiotis to several problem areas, including geophysical signal processing; deconvolution; computational analysis and parallel implementations of algorithms; autoregressive model identification. In 1989 I engaged in a research project on the security of information systems in Greek hospitals and started publishing in the security domain in 1990; this has been my primary field of research interest since. In this field, my research contribution extends to security in medical information systems; intrusion detection systems; neural network applications to computer and network security; network security; public key infrastructure; e-commerce security; security and privacy economics; e-voting systems; disaster recovery. However, applied estimation theory has also remained a research field of central interest to me; within this field I have contributed research results on radar signal processing; sonar signal processing; Riccati equations solutions; electricity demand load forecasting. In 1992 I started working with genetic algorithms, initially towards their application in automated software testing, later towards their application for active noise control actuator positioning in aircraft and then towards designing variable structure multiple model estimators.

My research activity over the past 30 years has resulted in the publication of 41 books; 35 book chapters; 92 journal publications (of which 9 invited); and 137 publications in conference proceedings (of which 30 invited). According to Googlescholar, my research work has been cited 3.485 times (April 2020) and my h-index is 29.

5.3 Research Funding

5.3.1. International R&D projects

Since 1989 my research team has participated in 33 Research & Development projects funded by the European Commission. These are highly competitive, pre-competitive research projects that are normally carried out by international consortia comprising academic, research and industrial partners. The total budget share allocated to my team in these projects exceeds 5.000.000 €

5.3.2 National R&D projects

Since 1984 my research team has participated in 15 Research & Development projects funded by national (Greek and Norwegian) agencies. Some of these projects required co-operation with industry. Appendix V The total budget share allocated to my team in these projects exceeds 3.500.000 €

5.4 Research reviews and evaluations

At the national level, I was an expert evaluator of proposals for high technology investments under Law 1262 of the Ministry of Industry, Research and Technology; I have also been member or chair of several committees for evaluating proposals for research grants as well as for reviewing the outcome of such projects and recommending acceptance or rejection. At the international level, I have been regularly evaluating research proposals, in the area of information and communication systems security, for funding by the European Commission since 1990. I have also been a reviewer⁴ for several European R&D projects in the area of information and communication systems security.

⁴ R&D projects funded by the European Commission are reviewed annually by two independent reviewers who, after assessing the progress and the results of the project during the past year, make recommendations to the Commission regarding the project's work in the coming year(s).

I have evaluated proposals for research grants in the area of information and communication systems security on behalf of: the French Ministry of Research and New Technologies; the Technology Foundation STW Dutch funding agency for academic research; the Irish Enterprise Ireland Basic Research Programme; the Research Foundation – Flanders (FWO); the CHIST-ERA (European Coordinated Research on Long-term Challenges in Information and Communication Sciences & Technologies ERA-NET); and the Austrian Science Fund (FWF).

I have served as evaluator of the research outcomes of three Professors in South African Universities, on behalf of the South African National Research Foundation, within their programme for research evaluation and rating of researchers. I have also served as evaluator of the research outcome of several Professors in Italian Universities, on behalf of the Italian National agency for the evaluation of universities and research institutes, within their “Evaluation of research quality programme”.

5.5 Editorial, reviewing and conference committee activities

I am/have been a member of the editorial board for the following journals: International Journal of Information Security; International Journal of Information Security Science; Computers & Security; Computer Communications Journal; Electronic Journal of e-Commerce Tools and Applications (eJETA); Information & Computer Security Journal; International Journal of Knowledge Management; IEEE Transactions on Information Technology in Biomedicine; Journal of Autonomic and Trusted Computing; International Journal on Advances in Security; Open Journal of Information Systems; International Journal of Communication Technology for Social Networks; International Journal of Psychology of Cyber Crime; International Journal of Social Computing and Cyber-Physical Systems; International Journal of Research Innovations in Information Security; Безопасность информационных технологий (IT Security); EAI Endorsed Transactions on Security and Safety; International Journal of Industrial Control Systems Security; Cybersecurity; Information; Journal of the Knowledge Economy (Chair of the editorial Board).

I have been guest editor for the following special issues: *Sensors*, Special Issue on Security, Privacy, and Trustworthiness of Sensor Networks and Internet of Things, 2019; *Security and Communication Networks*, Special Issue on Security of Cyberphysical Systems and Industrial Control Systems and Networks, 2017; *Information*, Special issue on Trust, Privacy and Security in Digital Business, 2017; *Frontiers in Psychology*, Special issue on Mastering Cyberpower: Cognitive Sciences and The Human Factor in Civilian and Military Cyber Security, 2017; *IEEE Computer*, Special Issue on Security Risk Assessment, 2017; *International Journal of Electronic Governance*, Special Issue on e-Democracy, 2017; *International Journal of Electronic Governance*, Special Issue on e-Democracy, 2015; *Computer Communications*, Special Issue on Emerging Middleware for Next Generation Networks, 2007; *Computer Communications*, Special Issue on Public Key Infrastructures for Secure Computer Communications, 2004; *Information Management & Computer Security*, Special Issue on Security Issues of IT Outsourcing, 2006;

and a reviewer for the following journals: IEEE Transactions on Signal Processing; Signal Processing Journal; Computer Communications Journal; Computers & Security; IEE Proceedings; The Computer Journal; Electronics Letters; Future Generation Computer Systems; IET Science, Measurement and Technology; IEEE Transactions on Information Forensics and Security; IEEE Transactions on Dependable and Secure Computing; Journal of Computer Engineering & Information Technology; Digital Signal Processing; International Journal of Electronic Governance; Journal of Network and Computer Applications; International Journal of Electronic Government; Chaos, Soliton & Fractals; Computer Science Review; Computer Standards & Interfaces; Engineering Applications of Artificial Intelligence; Information & Management; Pattern Recognition Letters; Sustainability; Journal of Medical Imaging; Journal of Information Security and Applications, Applied Sciences.

Since 1991 I have served on the technical programme and/or organization and/or steering committees as a member or chair for nearly 700 scientific conferences.

5.5 Invited lectures

Over the years I have delivered a large number of invited lectures within the context of postgraduate courses in Greek Universities and in international conferences.

7. ACADEMIC NETWORKING ACTIVITIES

Apart from academic networking achieved through my research engagement in international R&D consortia, since 1987 I have participated in or led several international and national academic networking activities, all of which were funded either by the European Commission (international) or the General Secretariat for Research and Technology (national).

8. CONSULTANCY

8.1 Consultancy to industry

My consulting activities to industry were mostly in the form of projects granted to and carried out by my research team. Most of them pertain to carrying out risk assessment and management exercises for information systems and installations using the CRAMM ® method and subsequently proposing appropriate security plans. Since 1997 I have concluded consultancy projects worth totally over 1.700.000 €

8.2 Consultancy to government

I have been providing consultancy services to the Greek government since 1990. Initially, this was mostly in the form of membership or chairing of committees for technically and financially evaluating bids for the development or procurement of medium to large scale information systems to be used in government agencies such as: Hellenic Parliament, Ministry of Merchant Marine, Ministry of Health, Ministry of Labor, Ministry of Development, Ministry of the Interior and Public Administration, Ministry of Education. Later, around 2000, I started being appointed as chair or member of strategic planning committees, such as: Chair, Division of Transportation and Vehicle Technical Control, Immediate Action Group, Ministry of the Interior, Public Administration and Decentralization (2000-2001); Chair, Strategic Committee for ICT in Healthcare and Welfare, Ministry of Health and Welfare (2000-2002); Member, Strategic Committee for the Information Society, Ministry of National Education and Religious Affairs (2001- 2004); Member, Monitoring Committee of the “POLITEIA” Programme, Ministry of National Education and Religious Affairs (2001-2004); Member, Scientific Advisory Committee, Greek Research Network S.A. (2000-2007); Member, Strategic Committee for the Information Society, General Secretariat for Social Security (2000-2004); Chair, Strategic Committee for the Information Society, Ministry of Justice (2002-2004); Chair, Advisory Technical Council, Ministry of Administrative Reform & Electronic Government (2011-2012); President, Council of Higher University Education (2013-2014); President, National Council of Education (2013-2015).

8.3 Standardization

I was member of the team that prepared, under contract, the CEN ENV 12924:1997 “Medical Informatics – Security categorisation and protection in healthcare information systems” international standard.

9. LEADERSHIP & MANAGEMENT

9.1 Academic

In March 1997 I was elected⁵ Vice-Rector for Finances and Development of the University of the Aegean, Greece. I was re-elected in the position in May 2000. In this capacity, I was responsible for all matters pertaining to the formulation, monitoring and execution of the budget of the University and to its strategic development. The University of the Aegean in 1997 comprised seven academic departments, offering undergraduate programmes of study and doctoral studies; in 2000 the University comprised seventeen departments, offering undergraduate, graduate (MSc) and doctoral studies.

⁵ Until 2011, the Rector and the two Vice-Rectors of each Greek University were elected by an electoral body comprising all the faculty members of the University, student representatives and representatives of the administrative personnel.

In May 2003 I was elected Rector of the University of the Aegean. In the Greek –and European- University system, the Rector is both the institutional leader and manager at the same time. In 2005, the University of the Aegean was evaluated within the Institutional Evaluation Programme of the European University Association⁶; the result of this evaluation, which includes the institutional leadership and management can be found at https://www.aegean.gr/sites/default/files/attach/16/10/eua_institutional_evaluation_report_website.pdf.

During my terms as Vice-Rector and Rector of the University of the Aegean, Greek Universities had access to European funds administered through the Ministry of Education; these funds aimed at developing and enhancing the tertiary education in Greece. The University of the Aegean showed excellent performance in attracting and managing such funds that were administered in the form of large grants approved through a strictly competitive process within the Operational Programme for Education and Initial Professional Training (EPEAEK). Among these projects, I was personally involved in the preparation of and managed projects whose total budget exceeds 10.000.000 €

In 2000 I was appointed as one of the three members of the then founded Finances Committee of the Greek Rectors' Conference, a capacity that I retained until 2006. The Committee had responsibility for liaising between the Conference and the government on all matters pertaining to the finances of all Universities, including the strategic planning of the national and European funds made available to Universities.

I have also served in other academic management capacities: Founder and Director, MSc Programme in “Techno-economic management and security of digital systems”, Dept. of Digital Systems, University of Piraeus (2009); Acting Head, Dept. of Statistics and Actuarial-Financial Mathematics, University of the Aegean (2003-2006); Founder and Head, Dept. of Information and Communication Systems Engineering, University of the Aegean (1997-1998) and (2000); Associate Head, Dept. of Information and Communication Systems Engineering, University of the Aegean (1998-2000); Acting Head, Dept. of Geography, University of the Aegean (1997-1999); Associate Head, Dept. of Mathematics, University of the Aegean (1997); Head, Division of Analysis, Dept. of Informatics, TEI of Athens (1990-1991).

In December 2017, following an international call, I was offered the position of Professor and Rector of the Open University of Cyprus, Nicosia, Cyprus. I took up the post on February 1, 2018.

9.2 Research

At the national level, during 1997-2003, while being Vice-Rector for Finances and Development, University of the Aegean, I was ex-officio serving as the Chairman of the University Research Committee. The Committee has full responsibility and authority in Greek Universities on all matters pertaining to research, from research strategy formulation to monitoring progress against research plans, to administering research contracts, to formulating, monitoring and executing the research budget etc.

In 1998 I founded the Research Laboratory on Information and Communication Systems Security (InfoSec Lab)⁷, within the Department of Information and Communication Systems Engineering, University of the Aegean, which I directed until 2005. The Laboratory was the first and is still the largest academic research unit on Information and Communication Systems Security in Greece. In 2008 I founded the Systems Security Laboratory (SSL)⁸ within the Department of Digital Systems of the University of Piraeus, which is now the largest academic research unit on Information and Communication Systems Security in Greece.

At the international level, in 2004 I was appointed by the Secretary General of Research and Technology as one of Greece's national experts on horizontal issues pertaining to the whole 1st special programme and to special activities within the 6th Framework Programme on R&D of the European Union; this position I retained until the end of FP6 in 2007. In 2007 I was appointed, again by the Secretary General of Research and Technology as Greece's national representative to the management committee of the “People” Programme⁹, within the 7th Framework Programme on R&D of the European Union. In 2016 I was invited to become a member of the 8-member International Scientific

⁶ <https://www.iep-qaa.org/>

⁷ <http://www.icsd.aegean.gr/group/index.php?group=L1>

⁸ <http://ssl.ds.unipi.gr/>

⁹ <http://ec.europa.eu/research/mariecurieactions/>

Council of the newly founded Institute of Cyber Intelligence Systems of the National Research Nuclear University MePhI (Moscow Engineering Physics Institute - <https://mephi.ru/eng/>), Russia. In 2018 I was invited to become a member of the Scientific Council of the Institute for Privacy Law, Data Protection and Technology of the European Public Law Organization (<https://www1.eplo.int/ipl>).

I have been the coordinator of the Critical Infrastructure Security and Resilience (CISaR) Research group (<https://www.ntnu.edu/iik/cisar>) of the Center of Cyber and Information Security (CCIS), hosted by the Dept. of Information Security and Communication Technology, Norwegian University of Science and Technology, Gjøvik, Norway since 2015 and I sit on the Scientific Board of CCIS since 2016. I was Acting Scientific Director of CCIS between January-March and October-December 2017.

9.3 Government

In September 2006, following a nomination by the Greek Rectors' Conference, I was appointed as one of the Members of the Board of the newly founded Hellenic Quality Assurance Agency for Higher Education (now Hellenic Quality Assurance and Accreditation Agency)¹⁰. The Agency is an independent administrative authority; its mission is to support Higher Education Institutions in implementing procedures aiming at assuring and enhancing quality; to ensure the transparency of the pertinent procedures; to foster research in related fields; and to inform the State and the HEIs on the current international developments and trends in this field. I remained in this position until June 2008, when I resigned, because I was appointed as a member of the Board of another Authority.

In June 2008 I was appointed by the Greek Parliament as a member of the Board of the Hellenic Authority for Communication Security and Privacy (ADAE)¹¹. ADAE is an independent authority that has been granted self-governing independence; it has been established according to article 19 par. 2 of the Hellenic Constitution. Its mission is to ensure that the protection of the security and privacy of any form of communication, including the postal service is maintained. I remained in this position until November 2009, when I resigned, because I took over another government post.

In November 2009, following an open contest, I was appointed jointly by the Prime Minister and the Minister of Infrastructures, Transport and Networks as the Secretary General of Communications (now Telecommunications and Post) of the Greek government. Secretaries General in the Greek government serve a liaison role between a Ministry's political leadership (Minister, Vice-Ministers, Deputy Ministers) and the administration. While in this post, where I remained until July 2012 when I resigned, because of the change in government following elections, I had responsibility and authority in all matters pertaining to the telecommunications and post in the country, including political supervision of the telecommunications and post regulatory authority; liaison -at the political level- with the European Network and Information Security Agency (ENISA)¹²; and political supervision of the Hellenic Post S.A. I was reporting directly to the Deputy Minister of Infrastructures, Transport and Networks until June 2010 and to the Minister of Infrastructures, Transport and Networks thereof. In April 2011 I was appointed as one of the five members of the Committee on Information and Communication Technologies of the Greek government, with responsibility and authority over all matters pertaining to ICT in the country; the committee was reporting directly to the Prime Minister.

In May 2013 I was appointed, following a hearing in the Hellenic Parliament, as the President of the National Council of Education, for a three-year term. The Council is the supreme advisory body to the Minister of Education with competence on all three levels of education, namely primary, secondary and higher education and all matters related to education. In the period June 2013-June 2014 I also served as the President of the Council for Higher University Education, which is one of the constituents of the National Council of Education, with similar competences to those of the National Council of Education, albeit focused on Higher University Education.

¹⁰ <http://www.adip.gr/>

¹¹ <http://www.adae.gr/en/>

¹² <http://www.enisa.europa.eu/>

9.4 Professional organizations

I was elected as a member of the Board of the Greek Computer Society in 1994-1997 and as the Vice-President during 1996-1997. I was elected as Member of the Board and Vice-President of the Panhellenic Federation of Associations of University Professors for 2009. I served as a member of the Board of the Information and Communication Technologies chapter of the Technical Chamber of Greece. I was Chairman of Working Group 4 (Network Security) of Technical Committee 11 (IT Security) of IFIP in 1996-1999; and the national representative of Greece to IFIP's general assembly from 1997 until 2007. In October 2012 I was elected President of the Hellenic chapter of the Association for Information Systems.

9.5 Other

During 1996-1997 I was a member of the Technical Council of the University of the Aegean. The Technical Council comprises only engineers as members and it is an Advisory Board to the University management on all matters pertaining to technical works. I chaired this council during 1997-2003. During 2003-2006, being the Rector of the University of the Aegean, I was ex-officio the Chairman of the Board of the Company for Managing and Exploiting the Property of the University of the Aegean S.A. The company acts as a manager of all the real estate property of the University.

10. ACADEMIC EVALUATIONS

I have carried out, individually or as a member of a team, several evaluations of individual study programmes, both undergraduate and graduate, offered by Universities in Greece, Cyprus and Latvia.

At the international level, in 2006 I was invited to join the pool of expert evaluators of the Institutional Evaluation Programme of the European University Association (<https://www.iep-qaa.org/>). Membership is by invitation only and can be extended only to current or former Rectors and Vice-Rectors. In 2008 I was "promoted" to evaluation team chair and in 2011-2019 I was sitting on the Programme Steering Committee. In 2015-2019 I served as the Chair of the Programme Steering Committee. Within this framework I have evaluated more than 20 higher education institutions in Slovakia, Portugal, Turkey, Romania, Ireland, Montenegro, Lebanon and FYROM. Since November 2014 I have been an ENQA evaluator.

11. SCHOLARSHIPS, AWARDS, DISTINCTIONS

- Doctor Honoris Causa (Honorary doctorate), Department of Production and Management Engineering, Democritus University of Thrace, Greece, May 2019.
- Outstanding Reviewer, Information & Computer Security Journal, 2018.
- Outstanding Reviewer, Information & Computer Security Journal, 2016.
- Infocom Award for outstanding achievements (contribution to the development of the telecommunications sector in Greece), 2012.
- Outstanding Reviewer, Information Management & Computer Security Journal, 2010.
- Outstanding Reviewer, Information Management & Computer Security Journal, 2009.