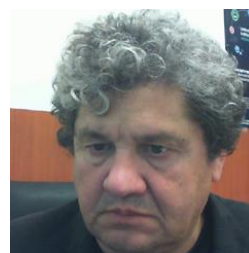


Eleftherios Stergiou

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Education:

- 2010 University of Patras, Patra, GR
PhD in Computer Science with research interest in Performance of Network -
Dissertation Title: "**Approximate Analytical Models for Performance Study of Multilayer Interconnected Switching Networks**", directed by Prof. John Garofalakis.
<https://nemertes.lis.upatras.gr/jspui/handle/10889/4020>
- 1998 MS in **Telematics**, Department Computer Science of University of Sheffield, 1998.
- 1986 National University of Athens (NTUA), Athens, Greece
Department of **Electrical Engineering** and Informatics, 5-year degree.

Research Interests

Performance issues of computer networks and Telecommunication systems:

- Performance of Interworking Networks and systems.
- Analysis of Multilayer networks (Banyan, Delta, Cube etc.)
- Development of detailed models of Computer Network Switching Systems and parallel systems.
- Communication protocols between systems.
- Study of technologies such as Ethernet, Grade Ethernet, IPv4, IPv6, etc.
- Also Interworking issues such as network interfaces using Bridges, Routers and Gateways, etc.
- Use of Multimedia on the internet.
- Behavior study of backbone networks

Technical Summary:

Software Knowledge

OS: UNIX, Windows, VMS, and Macintosh.

Languages: Java, SQL, PL/SQL, C, PhP, C++, Pascal, FORTRAN, R Language, 68000 & 6502 assembly.

Databases: Oracle, SYBASE, SQL Server, MySQL, UNIFY, Access

Web Servers: Apache Tomcat

Document Preparation: HTML, XML, MSWord, PW, LaTeX, TeX

Hardware Knowledge

Configure Mikrotic, Router, PC, Mac, and Workstations (installing and configuring peripherals and expansion cards)

Publications:**International Journals**

- J1.** Eleftherios Stergiou, John Garofalakis, Dimitrios Liarokapis and Spiridoula Margariti, 'INVESTIGATING MULTILAYER OMEGA-TYPE NETWORKS OPERATING WITH THE CUT-THROUGH TECHNIQUE UNDER UNIFORM OR HOTSPOT TRAFFIC CONDITIONS', International Journal of Computer Networks & Communications (IJCNC) Vol.13, No.5, September 2021. <https://doi.org/10.1109/InfoTech55606.2022.9897116>
- J2.** Lambros Sakkas, Eleftherios Stergiou, Georgios Tsoumanis and Constantinos T. Angelis, '5G UFMC Scheme Performance with Different Numerologies', Journals Electronics, Volume 10, Issue 16, Published: 10 August 2021, <https://doi.org/10.3390/electronics10161915>
- J3.** Eleftherios Stergiou, "A study of multistage interconnection networks operating with wormhole routing and equipped with multi-lane storage", International Journal of Parallel, Emergent and Distributed Systems, Taylor & Francis Group, Volume 36, Issue 3, Pages 221-239, Published online: 18 Jul 2020. <https://doi.org/10.1080/17445760.2020.1793981>
- J4.** Eleftherios Stergiou, Constantinos Angelis and Spiridoula V. Margariti, "Evaluation Methodology of MIMO Networks Performance over Rayleigh Fading", International Journal of Computer Networks & Communications (IJCNC) Vol.12, No.1, January 2020. DOI:[10.5121/ijcnc.2020.12103](https://doi.org/10.5121/ijcnc.2020.12103)
- J5.** Eleftherios Stergiou, John Garofalakis," Quantitative analysis of Multilayer Switching Networks providing multiple internal routes", International Journal of Communication Systems, Wiley, Volume 31 Issue 35, pp. 1-17, October 2018. <https://doi.org/10.1002/dac.3785>
- J6.** Dimitrios Liarokapis, Eleftherios Stergiou, "Does Anonymity in Student Evaluations Matter and How to Preserve It", Journal of Modern Education Review, ISSN: 2155-7993, pp.118–125, Published 7/2018. [https://doi.org/10.15341/jmer\(2155-7993\)/02.08.2018/005](https://doi.org/10.15341/jmer(2155-7993)/02.08.2018/005)
- J7.** Eleftherios Stergiou, Dimitrios Liarokapis, Constantinos Angelis, Fotis Vartziotis, "Vigorous Distance Learning Applications Using the Stream Control Transmission Protocol", Science Journal of Education, Volume 5, Issue 6, December 2017, pp.262-267, Dec. 22, 2017. DOI: [10.11648/j.sjedu.20170506.15](https://doi.org/10.11648/j.sjedu.20170506.15)
- J8.** John Garofalakis, Eleftherios Stergiou, "An Analytical Model for the Performance Evaluation of Multistage Interconnection Networks with two Class Priorities", Journal Future Generation Computer Systems, Elsevier, 29(2013) 114-129. <https://doi.org/10.1016/j.future.2012.05.014>
- J9.** Eleftherios Stergiou, John Garofalakis, "Performance estimation of banyan semi layer networks with drop resolution mechanism", Journal of Network and Computer Applications, (JNCA), Elsevier, Volume 35, Issue 1, January 2012, pp. 287-294. <https://doi.org/10.1016/j.jnca.2011.08.010>
- J10.** Eleftherios Stergiou, "Quality of Service Study for Single and Semi layer Interconnection Networks with Relaxing Blocking", WSEAS TRANSACTIONS on COMMUNICATIONS, Issue 8, Volume 12, August 2013, pp. 406-419. <https://www.wseas.org/multimedia/journals/communications/2013/165704-148.pdf>
- J11.** John Garofalakis, Eleftherios Stergiou, «Analytical model for Performance Evaluation Multistage Interconnection Networks supporting multi-Class priority service», International Journal of Parallel, Emergent and Distributed Systems, Taylor & Francis Group, pp. 399-420, Published on: 04 April 2011 (online). <https://dx.doi.org/10.1080/17445760.2010.541460>
- J12.** John Garofalakis, Eleftherios Stergiou, "An approximate analytical performance model for multistage interconnection networks with backpressure blocking mechanism", Journal

of Communications (JCM), Academy, Vol. 5, No 3, March 2010, pp. 247-261.
<http://dx.doi.org/10.4304/jcm.5.3.247-261>

- J13.** John Garofalakis, Eleftherios Stergiou, “*Performance Evaluation for Single and Semi Layer Multistage Interconnection Networks Servicing Multicast traffic by Full multicast operation*”, International Journal of Communication Systems, Wiley, Vol. 24, no. 4, pp. 415-437, 2011. <https://doi.org/10.1002/dac.1156>
- J14.** John Garofalakis, Eleftherios Stergiou, “*Analytical Model for Performance Evaluation of Multilayer Multistage Interconnection Networks Servicing Unicast and Multicast Traffic by Partial multicast operation*”, Performance Evaluation Elsevier, Volume 67, Issue 10, October 2010, Pages 959-976, 2010. <https://doi.org/10.1016/j.peva.2010.06.001>
- J15.** John Garofalakis, Eleftherios Stergiou, «*Mechanisms and analysis for supporting multicast traffic by using Multilayer Multistage Interconnection Networks*», International Journal of Network Management, Volume 21, Issue 2, 2011, pp. 130-146. <https://doi.org/10.1002/nem.754>
- J16.** G. E. Rizos, D. C. Vasiliadis, E. Stergiou, “*Improving performance on mobile ad hoc networks by using proxy service*”, WSEAS TRANSACTIONS ON COMMUNICATIONS, Volume 7, Issue 12, December 2008, pp. 1137-1146 ISSN:1109-2742. <https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.214.4746&rep=rep1&type=pdf>
- J17.** G.E.Rizos, D.C. Vasiliadis, E. Stergiou, S.V. Margariti, “*Improvement in Service Discovery Protocols in Bluetooth*”, WSEAS TRANSACTIONS ON COMMUNICATIONS Volume 6, Issue 4, April 2007, pp. 614-621 ISSN:1109-2742

Proceedings of International Scientific Conferences

- C1.** Ioannis Koulouras, Spiridoula V Margariti, Ilias Bobotsaris, Eleftherios Stergiou and Chrysostomos Stylios, ‘On the Performance of SDN Controllers in Real World Topologies’, IEEE Conference on Network Function Virtualization and Software Defined Networks, 14–16 November 2022, Chandler, AZ, USA. <https://doi.org/10.1109/NFV-SDN56302.2022.9974719>
- C2.** E Stergiou, D Liarokapis, S Margariti, I Bobotsaris, “Omega Multistage Interconnection Network with High-speed Forwarding Technique Handling a Double-pattern Load”, 2022 International Conference on Information Technologies (InfoTech), IEEE Press, pp. 1-4, 2022. <https://doi.org/10.1109/InfoTech55606.2022.9897116>
- C3.** Zacharis Aristotelis, Margariti V. Spiridoula, Stergiou Eleftherios and Angelis Constantinos, ‘Performance evaluation of topology discovery protocols in software defined networks’, MOBISLICE IV Workshop. 4th edition of Mobility Support in Slice-based Network Control for Heterogeneous Environments, 9th November 2021. <https://doi.org/10.1109/NFV-SDN53031.2021.9665006>
- C4.** Nikolaos Oikonomou, Spiridoula Margariti, Dimitrios Liarikapis and Eleftherios Stergiou, ‘Performance Evaluation of Software-defined Networking Implemented on Various Network Topologies’, 2021 6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM), IEEE, 24-26 Sep. 2021, Preveza, Greece, <https://doi.org/10.1109/SEEDA-CECNSM53056.2021.9566213>
- C5.** Eleftherios Stergiou, John Garofalakis, Dimitrios Liarokapis and Spiridoula Margariti, “A Study of Multilayer Omega Networks Operating with Cut-Through Mechanism under Uniform Traffic”, Proceedings of the 2020 IEEE 5th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, September 25-27, 2020. <https://doi.org/10.1109/SEEDA-CECNSM49515.2020.9221819>
- C6.** Eleftherios Stergiou, Glavas Evripides and Spiridoula Margariti, “Performance Evaluation of Delta Networks Operating via Cut-Through Switching under Hotspot Traffic”, Proceedings of the 2020 IEEE International Conference on Information Technologies

(InfoTech-2020), pp. 120-125, 17-18 September 2020, St. St. Constantine and Elena, Bulgaria. <https://doi.org/10.1109/InfoTech49733.2020.9210984>

- C7.** Georgios Tsoumanis, Nikolaos Giannakeas, Alexandros T. Tzallas, Evripidis Glavas, Eleftherios Stergiou, "A Lifetime Extension Framework for Wireless Sensor Networks", 2020 43rd International Conference on Telecommunications and Signal Processing (TSP), pp. 260-264, Milan, Italy, 7-9 July 2020. <https://doi.org/10.1109/TSP49548.2020.9163515>
- C8.** Eleftherios Stergiou, Constantinos T. Angelis, Nikolaos Giannakeas, Georgios Tsoumanis, Alexandros T. Tzallas, Evripidis Glavas, "Optimum Capacity over Power Consumption Requirements in MIMO Systems", 42nd International Conference on Telecommunications and Signal Processing (TSP), IEEE Xplore: 25 July 2019, Budapest, Hungary, 1-3 July 2019. <https://doi.org/10.1109/TSP.2019.8768832>
- C9.** E. Stergiou¹, D. Liarokapis, E. Glavas, C. Angelis, S. Margariti, "Reliability study of U-type multistage interconnection networks", Proceeding of 3rd International Conference on Reliability Engineering (ICRE 2018), Barcelona, November 24 - 26, 2018, IOP Publishing, IOP Conf. Series: Materials Science and Engineering 575 (2019) 012001. <https://doi:10.1088/1757-899X/575/1/012001>
- C10.** Dimitrios Liarokapis, Vasilios Papigiotis, Eleftherios Stergiou, Christos Gogos, "Creating an Electronic Magazine in Wordpress for Promoting the Practical Training of Students", Proceeding of International Conference on Information Technologies (InfoTech-2018), IEEE Conference Rec. No. 4611620-21 September 2018, pp.181-188, St. St. Constantine and Elena, Bulgaria, 20-21 September 2018, Bulgaria. <http://dx.doi.org/10.1109/InfoTech.2018.8510718>
- C11.** Eleftherios Stergiou, Dimitrios Liarokapis, E. Glavas, G. E. Rizos, Dimitris C. Vasiliadis "Reliability Study of Multilayer Multistage Interconnection Networks Equipped with Internal Path Redundancy", Conference: Tenth International Conference on Communication Theory Reliability and Quality of Service, (CTRQ 2017), Venice Italy, April 2017. https://www.thinkmind.org/index.php?view=article&articleid=ctrq_2017_1_10_70006
- C12.** Eleftherios Stergiou, Dimitrios Liarokapis, John Garofalakis, "Improving the Behavior of Interconnection Networks by Using Multiple Internal Paths and Fan-Outs", 2017 IEEE Symposium on Computers and Communications (ISCC), 3-6 July 2017, Heraklion, Greece. <https://doi.org/10.1109/ISCC.2017.8024550>
- C13.** Eleftherios Stergiou, Dimitrios Liarokapis, "IMPROVING THE QUALITY OF DISTANCE LEARNING APPLICATIONS USING THE STREAM CONTROL TRANSMISSION PROTOCOL", International Scientific and Educational Conference 'Actual Problem of Education', MIP-2017, 1-2 June 2017, Riga, Latvia. https://www.researchgate.net/publication/316972496_IMPROVING_THE_QUALITY_OF_DISTANCE_LEARNING_APPLICATIONS_USING_THE_STREAM_CONTROL_TRANSMISSION_PROTOCOL
- C14.** Dimitrios Liarokapis, Eleftherios Stergiou, "PRESERVING ANONYMITY IN STUDENT EVALUATIONS", International Scientific and Educational Conference 'Actual Problem of Education', MIP-2017, 1-2 June 2017, Riga, Latvia. https://www.researchgate.net/publication/316972511_PRESERVING_ANONYMITY_IN_STUDENT_EVALUATIONS
- C15.** Eleftherios Stergiou, Dimitrios Liarokapis and Gerasimos Meletiou, "Investigating the Optimal Performance of Multicast Communication by Simulation", Proceeding 3rd International Conference on Simulation and Modeling Methodologies, Technologies, and Applications (SIMULTECH - 2013) pg. 108-116, Reykjavik, Iceland, July 29 - 31, 2013. <https://doi.org/10.5220/0004479401080116>
- C16.** E. Stergiou, G. E. Rizos, D.C. Vasiliadis and S. V. Margariti, "Experimental Performance Study of TCP Flows", Proceed of International Conference on Network and Computer Science (ICNCS 2012) IPCSIT vol. 30 (2012) IACSIT Press Singapore, 2012 IACSIT/ICNCS Conferences 10-12 March 2012, Hong Kong.

- C17.** Eleftherios Stergiou, John Garofalakis, "A SIMULATION STUDY FOR OPTIMIZING THE PERFORMANCE OF SEMI-LAYER DELTA NETWORKS", Proceeding of 1st International Conference on Simulation and Modeling Methodologies, Technologies, and Applications (SIMULTECH - 2011), 29-31 July, Noordwijkerhout, Netherlands 2011. DOI : 10.5220/0003598202570265
- C18.** Eleftherios Stergiou, Spyridoula V. Margariti, Gerasimos C. Meletiou, George E. Rizos, Dimitrios C. Vasiliadis "Performance Study for End-point Links of Networks", Proceeding of The Seventh Advanced International Conference on Telecommunications (AICT 2011), pp. 38-42, St. Maarten, The Netherlands Antilles, March 20-25, 2011. https://www.researchgate.net/publication/282696788_Performance_study_for_end-point_links_of_networks
- C19.** G. E. Rizos, D. C. Vasiliadis, and E. Stergiou, "Comparative Study of Performance Evaluation for Mobile Ad hoc networks using a proxy node", Proceedings of RECENT RESEARCH in COMMUNICATIONS and IT, Proceedings of the 5th International Conference on Communications and Information Technology (CIT '11), pp. 283-287, Corfu Island, Greece July 14-17, 2011. https://www.researchgate.net/publication/262400993_Comparative_study_of_performance_evaluation_for_mobile_ad_hoc_networks_using_a_proxy_node
- C20.** D.C. Vasiliadis, G. E. Rizos, E. Stergiou and S. V. Margariti, "Performance Study of a Wireless Dynamic Topology over High Mobility Conditions", Proceedings of LATEST TRENDS on COMMUNICATIONS and INFORMATION TECHNOLOGY, ISBN: 978-960-474-207-3, 4th International Conference on Communications and Information Technology (CIT '10), pp. 150-154, Corfu Island, Greece July 22-25, 2010. <https://dl.acm.org/doi/10.5555/1864098.1864126>
- C21.** D. C. Vasiliadis, G. E. Rizos, E. Stergiou, E. Glavas and S. V. Margariti, "Improving performance of Client-Proxy-Server service model on Mobile Ad hoc networks through prediction of mobility broken link", Proceedings of LATEST TRENDS on COMMUNICATIONS and INFORMATION TECHNOLOGY, ISBN: 978-960-474-207-3, 4th International Conference on Communications and Information Technology (CIT '10), pp. 11-17, Corfu Island, Greece July 22-25, 2010. <https://www.semanticscholar.org/paper/Improving-performance-of-client-proxy-server-model-Rizos-Vasiliadis/28b8d7847aa0e3c6736398d4d7f7b6167c83c00b>
- C22.** D. C. Vasiliadis, G. E. Rizos, E. Stergiou, E. Glavas and S. V. Margariti, "Performance Study of a Regulated Switch System for Double Priority Traffic", Proceedings of LATEST TRENDS on COMMUNICATIONS and INFORMATION TECHNOLOGY, ISBN : 978-960-474-207-3, 4th International Conference on Communications and Information Technology (CIT '10), pp. 18-22, Corfu Island, Greece July 22-25, 2010. <https://dl.acm.org/doi/10.5555/1864098.1864101>
- C23.** J. Garofalakis, E. Stergiou, "Performance Evaluation for Multistage Interconnection Networks Servicing Multicast Traffic", the First International Conference on Advances in Future Internet (AFIN 2009), June 18-23, 2009, Greece, IEEE Computer Society Conference Proceedings 978-0-7695-3664-4/09, pp. 39-46. <https://doi.org/10.1109/AFIN.2009.14>
- C24.** John Garofalakis, Eleftherios Stergiou, "Performance Evaluation for Multistage Interconnection Networks Servicing Unicast and Multicast Traffic (by Partial Operation)", 2009 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS 2009), July 13-16, 2009, Turkey. <https://ieeexplore.ieee.org/document/5224109>
- C25.** G. E. RIZOS, D. C. VASILADIS, and E. STERGIU," Comparative Study of Demand Driven Routing Protocols over Mobile Ad-hoc Networks", Proceedings of the 13th WSEAS International Conference on COMMUNICATIONS, pp. 49-55, Rodos, Greece July 23-25, 2009. <https://dl.acm.org/doi/10.5555/1627815.1627829>
- C26.** J. Garofalakis, E. Stergiou, "A General Analytical Method for the Performance Evaluation of Multistage Interconnection Networks Supporting Multi-Class Priority Traffic",

4th Advanced International Conference on Telecommunications (AICT 2008), June 8-13, 2008, Athens, Greece, IEEE Computer Society Conference Proceedings 978-0-7695-3162-5/08, pp. 111-119. <https://doi.org/10.1109/AICT.2008.16>

- C27.** J. Garofalakis, E. Stergiou, "Analytical model for Performance Evaluation of Blocking Banyan Switches supporting double priority traffic", International Conference on Communication Theory, Reliability, and Quality of Service (CTRQ 2008), June 29 - July 5, 2008, Bucharest, Romania, IEEE Computer Society Conference Proceedings 978-0-7695-3190-8/08, pp. 25-33. <http://dx.doi.org/10.1109/CTRQ.2008.8>
- C28.** J. Garofalakis, E. Stergiou, "An analytical performance model for multistage interconnection networks with blocking", 6th Annual Conference on Communication Networks and Services Research (CNSR 2008), May 5-8, 2008, Halifax, Canada, IEEE Computer Society Conference Proceedings 978-0-7695-3135-9/08, pp. 373-381. <https://doi.org/10.1109/CNSR.2008.33>
- C29.** S. V. Margariti, G. Meletiou, E. Stergiou, D. C. Vasiliadis, and G. E. Rizos, "A Lightweight Implementation of Security for Peer-to-Peer Networks", AIP Conf. Proc. 1060, 397 (2008). <https://doi.org/10.1063/1.3037102>
- C30.** E. Stergiou, G. Meletiou, D. C. Vasiliadis, G. E. Rizos, and S. V. Margariti "Evaluation Study of a Broadband Multicasting Service over a Gigabit Ethernet Delivery Network", AIP Conf. Proc. 1060, 392 (2008). <https://doi.org/10.1063/1.3037101>
- C31.** L. E. Tsiantis, E. Stergiou, and S. V. Margariti "Security Issues in E-learning Systems", AIP Conf. Proc. 963, 959 (2007). <http://dx.doi.org/10.1063/1.2836251>
- C32.** S. V. Margariti, G. Meletiou, E. Stergiou, D. C. Vasiliadis, and G. E. Rizos, "Security Systems Consideration: A Total Security Approach", AIP Conf. Proc. 963, 954 (2007). <https://doi.org/10.1063/1.2836250>
- C33.** E. Stergiou, G. Meletiou, D. C. Vasiliadis, G. E. Rizos, and S. V. Margariti, "Evaluating the Multicast Control Protocol on a Multicasting Network Architecture", AIP Conf. Proc. 963, 943 (2007). <http://dx.doi.org/10.1063/1.2836248>
- C34.** D. Vasiliadis, G. Rizos, E. Stergiou, S. Margariti, "A trusted Network Model using the Lightweight Directory Access Protocol", Proceeding of the 7th International Conference on Applied Informatics and Communications (AIC' 07), pp. 254-256, Athens, Greece, August 24-26, 2007. <https://dl.acm.org/doi/abs/10.5555/1348011.1348054>
- C35.** E. Stergiou, S. Margariti, D. Vasiliadis, G. Rizos, "Improving the Security of a Networking Semantic Service Oriented Architecture", Proceeding of the 7th International Conference on Applied Informatics and Communications (AIC' 07), pp. 259-264, Athens, Greece, August 24-26, 2007. <https://www.semanticscholar.org/paper/Improving-the-security-of-a-networking-semantic-Stergiou-Margariti/23b20fe724297353a01b5dcb637e9555a4549520>
- C36.** G. Rizos, D. Vasiliadis, E. Stergiou, S. Margariti, "Comparative Study of Service Discovery Protocols for ad-hoc Networks", Proceedings of the 6th WSEAS Int. Conference on Electronics, Hardware, Wireless and Optical Communications, Corfu Island, Greece, February 16-19, 2007. pp. 156-161. https://www.researchgate.net/publication/254331151_Comparative_Study_of_Service_Discovery_Protocols_for_ad-hoc_Networks

----- [Articles in Greek international Conferences](#) -----

- C37.** G. Meletiou, D. C. Vasiliadis, E. Stergiou and M. Vrahatis, "Dynamic Self – Evaluation in O.D.L", Proceedings of 6th International Conference in Open & Distance Learning - 4-6, November 2011, Loutraki.
- C38.** H. Laskari, G. Meletiou, E. Stergiou, M. Vrahatis, "Electronic Evaluation in Open and Distance Education" (Ηλεκτρονική Αξιολόγηση στην Ανοικτή και εξ Αποστάσεως Εκπαίδευση), International Conference for Distance Education, Patra, June 2005.

- C39.** Eleftherios Stergiou, Euripides Glavas, “*Η Νέα Υπηρεσία Web – Μία καινοτομία για την Ηλεκτρονική Ανάπτυξη των Επιχειρήσεων και της περιφέρειας*”, (“A new web service - An innovation for the Development of Electronic Business and regional areas”). Proceedings of the 2nd International Conference on Enlarged and Europe and Regional Disparities, pp 604-612, Technological Educational Institute of Epirus, Preveza 3-4 June 2004.

Books

In Greek language



LAN-MAN (“**ΤΟΠΙΚΑ ΚΑΙ ΑΣΤΙΚΑ ΔΙΚΤΥΑ**”), Editor New Technologies (ΝΕΕΣ ΤΕΧΝΟΛΟΓΙΕΣ), ISBN: 9789608105959, 1st edition (2006), Pages: 563

Chapters in Books

- D1.** G.E. Rizos, D.C. Vasiliadis, E. Stergiou, and E. Glavas, “A Computation Study in Mesh Networks by Scheduling Problems”, Chapter 58 in Lecture Notes in Series: “Electrical Engineering”, Vol. 27, pp. 583-589, ISBN: 978-0-387-848136 Springer Science press Business Media, 1st Edition, 2009. https://link.springer.com/chapter/10.1007%2F978-0-387-84814-3_58
- D2.** G.E. Rizos, D.C. Vasiliadis, and E. Stergiou, “Performance Comparison and Improvement of Wireless Network Protocols”, Chapter 64 in Lecture Notes in Series ‘Electrical Engineering’, Vol. 27, pp. 643-650, ISBN: 978-0-387-84813-6, Springer Science press Business Media, 1st Edition, 2009. http://dx.doi.org/10.1007/978-0-387-84814-3_64
- D3.** Eleftherios Stergiou, “Analytical Performance Method for Multistage Fabrics with Backpressure Blocking Operation”, Chapter 2 in Recent Trends in Education, Volume 2, pp. 27-45, AkiNik Publications, New Delhi, 2019.

Other Scientific actions

- Member in Editorial Board of the International Journal of Computer Networks and Communications (**IJCNC**)
- Reviewer in Publons (<https://publons.com/about/home/>)
- Reviewer in Journal of Elsevier (<https://www.elsevier.com/>)

Σύνδεσμοι

- Google Scholar: <https://scholar.google.com/citations?user=TBPgMkkAAAAJ&hl=en&oi=sra>
- ResearchGate: <https://www.researchgate.net/profile/E-Stergiou>

ADMINISTRATIVE EXPERIENCE

- Member of the doctoral studies committee 2019-2022
- Member of the "Computer and Network Engineering" Graduate Studies Committee of the Department of Informatics & Telecommunications of the University of Ioannina (former Department of Informatics Engineering T.E.) (3/2016 - today)
- Department representative for the Erasmus program (2008-2014 and 2018-2021)
- Departmental Head of the Department's Student Internship Committee (2006-2010)
- Member of the Department's Internal Evaluation Committee (2007-2008)
- Member of the Commission for receiving office equipment, new building of Teleinformatics and Administration department, TEI of Epirus (2006-2007)
- Member of the Committee for feeding-housing in Arta, TEI of Epirus (2008-2009)
- Chairman of the Materials Destruction Committee for the Artas TEI Epirus University Campus (2006-2007)
- Participation in several other administrative actions of the academic community

Participation in scientific associations

- Technical Chamber of Greece (TEE from 1986).
- Panhellenic Association of Graduate Mechanical and Electrical Engineers
- Hellenic Society for Artificial Intelligence (EETN)
- Institute of Electrical and Electronics Engineers (IEEE).

Experience:

Experience (from 1983 to 2000)	
1. Programmer and analyst in MEMORY AEBEE (Programming with COBOL and PASCAL).	1983-85
2. Programmer and analyst in Hellenic Air Force General Staff, 227-231 Mesogion Avenue, Athens (Working on BULL DPS-64, with COBOL language).	1985-86
3. Collaboration with MICRO PC.	1987-88
4. Programmer and analyst in ELEA Ltd. Creating applications for <ul style="list-style-type: none"> • Application for National Press • Application for "ΔΕΛΤΑ Α.Ε." • Application for O.T.E. A.E. • Application Analysis for "PUBLIC CONSTRUCTIONS" and "ΝΟΜΙΚΟΣ". • Network installations for various clients. <i>System: Convergent Technologies-DDE (Mini).</i> <i>Tools: Unix, ΠροΓλ. Προγραμματισμού Cobol-Lelel II, UNIFY.</i> 	1989-90
5. Computer Manager of the Technical Contracting Company: METPON ATENE A.E. Network: NOVEL ELS II Applications: <ul style="list-style-type: none"> □ " CONTRACTOR" for the Financial Monitoring of public projects για την Οικονομική Παρακολούθηση των δημοσίων έργων □ " PRE-COSTING OF PUBLIC WORKS " □ FINANCIAL APPLICATIONS OF SINGULAR. For example: FASMA II (Accounting and Fixed Assets, Vendors and Securities etc.) □ Secretarial support applications. 	1990-91

6. Responsible for developing its Information Systems of AIXMH E.A. & Co. E.E. Main subject: the development and support of Information Systems. Used NOVELL, UNIX and DBMS networks on various operating systems. Lecturer in technical seminars.	1990-91
7. Responsible of the Networks of IEK ARTAS <i>Laboratory I:</i> 12 stations and Server with Software SCO UNIX and Netware/Novell 3.12. <i>Laboratory II:</i> 14 stations and 2 Servers.	1993-97
8. Network Support (Georgiou S.) Developed and supported software using the RM Cobol Programming Language.	1999
9. TEI OF EPIRUS: Participation in Networks Technical Team in a Network upgrade study, Videoconference operation, Distance learning study, Installation of Routing Protocols, Installation of NFS (Client - Server).	1999 - 2000