# CURRICULUM VITAE

## 1. Personal Information

Name                            Nick Z. Zacharis

Professional Position           Professor,

                                University of West Attica


Address                         Department of Informatics & Computer Engineering

                                Building 16, Office 215

                                28 Agiou Spyridonos Str.

                                12243 Aigaleo, Greece


Email                           nzach@uniwa.gr


## 2. Academic Qualifications

**2002**,        *Ph.D*.   Department of Computer Science,
                 University of Piraeus, Department of Computer Science, Greece
Thesis:          An intelligent and adaptive multiagent system for information collection from the web.


**1994**,        M.Sc.   in Intelligent Systems,
                 Faculty of Technology, University of Plymouth, UK
Dissertation:    A comparison of search behavior of genetic algorithms, simulated annealing and simplex method


**1990**,        *Bsc  in Aircraft Engineering*,
                 Department of Aircraft Engineering (SMA)
                 Hellenic Air Force Academy, Greece
Dissertation:    Expert Systems


## 3. Professional  Experience

## 3.1. Teaching Experience of Postgraduate Courses

1. October 2018 – current, as a Module Lecturer for the postgraduate course "Computer Programming", taught to the MSc in Information Technology and Applications, organized by Department of Informatics & Computer Engineering, University of West Attica, Greece.

2. October 2018 – current, as a Module Lecturer for the postgraduate course "Computer Programming", taught to the MSc in New Generation Communication Networks and Distributed Applications Environments, organized by Department of Informatics & Computer Engineering, University of West Attica, Greece.

3. January 2005 – June 2005 and January 2006 – June 2006, as a Module Lecturer for the postgraduate course "Web Development", taught to the MSc in Information Technology, co-organized by Technological Educational Institute of Piraeus and University of Paisley, UK.

4 October 2004 – December 2004 and October 2005 – December 2005, as a Module Lecturer for the postgraduate course "Software Development", taught to the MSc in Information Technology, co-organized by Technological Educational Institute of Piraeus and University of Paisley, UK.

5. October 2005 – December 2005, as a Module Lecturer for the postgraduate course "Requirements Engineering and Management", taught to the MSc in E-commerce, co-organized by Technological Educational Institute of Piraeus and University of Kingston, UK.

6. March 2006 – June 2006), as a Module Lecturer for the postgraduate course "Corporate Data and Database Management", taught to the MSc in E-commerce, co-organized by Technological Educational Institute of Piraeus and University of Kingston, UK.

7. March 2014 - July 2017, as a Module Lecturer for the postgraduate course "Advanced Programming in Java", taught to the MSc in Advanced Information Systems, organized by Department of Computer Systems, Technological Educational Institute of Piraeus.


## 3.2. Teaching Experience of Undergraduate Courses

1. University of West Attika - Department of Informatics & Computer Engineering (Sept 2018 – current) as a Lecturer of courses "Computer Programming" (1st Semester), and "Network Programming" (5th Semester), "Design and Development of Games and Virtual and Augmented Reality Applications" (6th Semester)

2. University of West Attika - Department of Engineering (Sept 2018 – current) as a Lecturer of courses "Computer Programming" (1st Semester)

3 Technological Institute of Piraeus - Department of Computer Systems (October 2004 - 2018), as a Lecturer of the undergraduate courses "Programming Languages I" and "Introduction to Information Technology". "Object Oriented Programming", "Artificial Intelligence".

4. University of Piraeus - Department of Computer Science (September 2002 - September 2004), as a Lecturer (DL 407/80) of Algorithms b) Computer Graphics c) Internet Technology d) d) Intelligent Agents e) Multimedia Technology

## 3.3. Research/Development Projects

| Project Title | Funding source | Period | Role of the PI |
|---|---|---|---|
| "Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics (ENIRISST)" funded by the Operational Programme "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020) and co-financed by Greece and the European Union (European Regional Development Fund). https://www.enirisst.gr/ | EU | 4/2019-now | Task leader for University of West Attica |
| Critical Review of Web Presence of Public Union Organizations: Upgrade Suggestions Internet Presence and Design of Strategic Communication Plan 2020-202, co-financed by Greece and the European Union, EU Program Public Sector Reform (CCI 2014GR05M2OP001) | Koinoniko Polykentro | 4/2020-5/2020 | Project Leader |
| "Mitos: Software for search and mining information – Application on financial news", co-financed by Greece and the European Union, EPET II, EKBAN 2-13-102 | General Secretary of Research and Technology | 04/1999-03/2001 | Scientific Researcher |
| "Modernization of the University of Piraeus Library", co-financed by Greece and the European Union, "EPEAEK Action 3.3 | University of Piraeus | 09/1996-12/1999 | Scientific Researcher |

## 4. Research Activities

## 4.1 Reviewing activities

2003 – 2004    IEEE Computer (Reviewer)
2015 – 2016    IEEE Intelligent Systems (Reviewer)
2005 - 2006    IEEE Internet Computing (Reviewer)
2004 - 2005    IEEE Multimedia (Reviewer)
2005 - 2006    IEEE Transactions on Knowledge and Data Engineering (Reviewer)
2017 - 2018    The Internet and Higher Education – Elsevier (Reviewer)
2011 - 2013    Computers and  Education – Elsevier (Reviewer)


## 4.2 Journal Publications

- "Classification and regression trees (CART) for predictive modeling in blended learning", N.Z. Zacharis, International Journal of Intelligent Systems and Applications, Vol. 3, No. 10, MECS Press, pp. 1-9, 2018

- "*WEB Search Using a Genetic Algorithm*", N. Z. Zacharis and T. Panayiotopoulos, IEEE Internet Computing, IEEE Press, Vol.5, No.2, pp.18-26, March/April 2001.

- "A metagenetic algorithm for information filtering and collection from the World Wide Web", N.Z. Zacharis and T. Panayiotopoulos, Expert systems – The International Journal of Knowledge Engineering, Willey-Blackwell, Vol. 18, No 2, pp.99-108, May 2001.

- "SpiderServer - Design and Implementation of a MetaSearch Engine", N.Z. Zacharis and T. Panayiotopoulos, Journal of Internet Technology, Taiwan Academic Network, Vol. 5, No 3, pp. 233-241, July 2004

- "Measuring the effects of Pair Programming in an introductory programming Java course", N.Z. Zacharis, IEEE Transactions on Education, IEEE Press, Vol. 54, Issue 1, pp. 168-170, February 2011

- "The Effect of Learning Style on Preference for Web-Based Courses and Learning Outcomes", N. Z. Zacharis, British Journal of Educational Technology, Willey – BlackWell, BECTA, Vol 42, Issue 5, 2011

- "A multivariate approach to predicting student outcomes in web-enabled blended learning courses", N.Z. Zacharis, Internet and Higher Education, Elsevier, Vol. 27, pp. 44-53, 2015

- "Predicting student academic performance in blended learning using artificial neural networks", N.Z. Zacharis, International Journal of Artificial Intelligence and Applications (IJAIA), AIRCC Publishing, Vol. 7 (5), pp. 17-29, 2016

- "Predicting college students' acceptance of podcasting as a learning tool", N. Z. Zacharis, Interactive Technology and Smart Education, Vol. 9 No. 3, pp. 171-183, 2012

- "The impact of learning styles on student achievement in a web-based versus an equivalent

face-to-face course", N.Z. Zacharis, College Student Journal, Project Innovation, Inc., vol. 44, no. 3, September 2010

- "Emotional Intelligence development: the implementation ofTransformative Learning through digital technologies in Tourism - A study protocol", S. Kallou, A. Kikilia, M. Kalogiannakis, N. Zacharis, Int. J. of Technology Enhanced Learning, 2022 (accepted for publication)

- "Review of Parsing in Modern Greek - A New Approach", G. Chorozoglou, N. Zacharis, E. Papakitsos, E. Galiotou, A. Giovanis, International Journal of Computational Linguistics (IJCL), Volume (12): Issue (1): 2021

## 4.3. Conferences-Workshops Publications

- "Developing and enhancing emotional intelligence in the tourism sector: the role transformative learning", Sofia Kalou, Aikaterini Kikilia, Michael Kalogiannakis, Nick Zacharis, 9th Conference "Tourism, Travel and Hospitality in a Smart and Sustainable World", September 2022

- "*A two level genetic based query optimization for searching the WWW*", N. Zacharis and T. Panayiotopoulos, 4th Systemics, Cybernetics and Informatics International Conference, SCI 2000, Orlando, Florida, USA, July 23 – 26, 2000, pp 391-395, N. Callaos, T. Pham, M. Kudo, N. Funabiki, D. Andina (Eds.), International Institute of Informatics and Systemics, 2000.

- "*A Learning Recommendation Agent in Virtual Environments*", N.Zacharis and T.Panayiotopoulos, Proceedings of Artificial Intelligence and Soft Computing, M.H.Hamza (Ed), pp.29-32, Cancun, Mexico, May 27-30, 1998.

- "*Libragent : A Learning Information Agent*", N.Zacharis and T.Panayiotopoulos, 16th International Conference on Applied Informatics, (AI'98), M.H.Hamza (Ed), pp.102-104, Garmisch-Partenkirchen, Germany, February 23-25, 1998.

- "*An experimental comparison among Genetic Algorithms and Annealing Simplex*", N.Zacharis and T.Panayiotopoulos, 16th International Conference on Applied Informatics, (AI'98), M.H.Hamza (Ed), pp. 141-143, Garmisch-Partenkirchen, Germany, February 23-25, 1998.

- "*Genetic Algorithms and Logic Programming*", T.Panayiotopoulos and N.Zacharis, 1st Symposium of the Greek Artificial Intelligence Society (SETN'96), Piraeus, Greece, pp. 38-41, December 1996.

- "*An Annealing Simplex Method for Optimization over Continuous Multidimensional Search Spaces*", N.Zacharis and T.Panayiotopoulos, 3rd Hellenic-European Conference on Mathematics and Informatics (HERMIS'96), Athens, Greece, pp. 663-670, September 1996.