

ΔΗΜΟΚΡΙΤΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΡΑΚΗΣ



ΣΧΟΛΗ ΕΠΙΣΤΗΜΩΝ ΓΕΩΠΟΝΙΑΣ ΚΑΙ ΔΑΣΟΛΟΓΙΑΣ
ΤΜΗΜΑ ΔΑΣΟΛΟΓΙΑΣ ΚΑΙ ΔΙΑΧΕΙΡΙΣΗΣ ΠΕΡΙΒΑΛΛΟΝΤΟΣ ΚΑΙ ΦΥΣΙΚΩΝ
ΠΟΡΩΝ
ΠΑΝΤΑΖΙΔΟΥ 193, ΟΡΕΣΤΙΑΔΑ, 68200
Τηλ. Γραφείου: +30-25520-41135
Email: liliadis@fmenr.duth.gr



Λάζαρος Ηλιάδης (BSc, MSc, PhD)

- **Αντικείμενο: ΕΦΑΡΜΟΣΜΕΝΗ ΠΛΗΡΟΦΟΡΙΚΗ**
- **Πρόεδρος του Τμήματος Δασολογίας και Διαχείρισης Περιβάλλοντος και Φυσικών Πόρων**
- **Διευθυντής του Προγράμματος Μεταπτυχιακών Σπουδών του Τμήματος Δασολογίας & Δ.Π. & Φ.Π. (έτος ίδρυσης του ΠΜΣ 2006)**
 - **Διευθυντής του FiLab**

URLs: (English version):

FiLab Page:

<http://filab.fmenr.duth.gr/index.html>

Academia.edu Page

<http://duth.academia.edu/LazarosIliadis>

Google Scholar

<http://scholar.google.fr/citations?user=SngR9wYAAAAJ&hl=fr>

University page:

http://www.fmenr.duth.gr/personel/dep/Iliadis_en.shtml

ΕΚΠΑΙΔΕΥΣΗ

- **Διδακτορικό** στα ΕΜΠΕΙΡΑ ΣΥΣΤΗΜΑΤΑ (EXPERT SYSTEMS) Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Σχολή Δασολογίας και Φυσικού Περιβάλλοντος, Εργαστήριο Πληροφορικής, Thesis: Εφαρμογή των Έμπειρων Συστημάτων στο πρόβλημα των Δασικών Πυρκαγιών (Expert Systems Modelling of Forest Fires in Greece)
- **M.Sc. Master** of Science (February 1995) in Computer Science from the Department of Computer Science and Mathematics, University of Wales, University College of Swansea (Great Britain). MSc Thesis title: Electronic Circuit Design in C
- **Πτυχίο** του Μαθηματικού Τμήματος της Σχολής Θετικών Επιστημών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης (1987)

ΕΝΕΡΓΕΣ ΑΚΑΔΗΜΑΙΚΕΣ ΘΕΣΕΙΣ :

- **Καθηγητής** Εφαρμοσμένης Πληροφορικής στο Τμήμα Δασολογίας και Διαχείρισης Περιβάλλοντος και Φυσικών Πόρων του ΔΠΘ (έτος διορισμού 2001)

Διδασκαλία σε προπτυχιακό επίπεδο:

- Αλγοριθμικές Δομές & Οπτικός Προγραμματισμός
- Βάσεις Δεδομένων & Βάσεις Γνώσης

- Εξόρυξη Γνώσης με ΓΣΠ και C++
- Εισαγωγή στην Πληροφορική
- Μαθηματικά –Εργαστήριο MATLAB

Διδασκαλία σε Μεταπτυχιακό επίπεδο επί 9 (εννέα) συναπτά έτη:

- ΤΕΧΝΗΤΗ ΕΥΦΥΙΑ-ΓΕΩΠΛΗΡΟΦΟΡΙΚΗ.
- ΕΥΦΥΗ ΠΛΗΡΟΦΟΡΙΑΚΑ ΣΥΣΤΗΜΑΤΑ ΚΑΙ ΔΙΑΧΕΙΡΙΣΗ ΠΕΡΙΒΑΛΛΟΝΤΙΚΩΝ ΚΙΝΔΥΝΩΝ

• ΣΕΠ Σύμβουλος Καθηγητής στο ΕΑΠ (Ελληνικό Ανοικτό Πανεπιστήμιο) στη Σχολή Θετικών Επιστημών και Τεχνολογίας από το ακαδημαϊκό έτος 2000-2001 έως και σήμερα (20015-2016) στη Θεματική ενότητα ΠΛΗ10 της Πληροφορικής.

ΠΑΛΙΟΤΕΡΕΣ ΑΚΑΔΗΜΑΙΚΕΣ ΘΕΣΕΙΣ

- Διδάσκων 407 στο Τμήμα Μηχανικών Πληροφορικής και Επικοινωνιών στη Βαθμίδα του Επίκουρου Καθηγητή/ Αναπληρωτή Καθηγητή, (διδασκαλία μαθημάτων: ΑΛΓΟΡΙΘΜΟΙ, ΑΝΤΙΚΕΙΜΕΝΟΣΤΡΑΦΗΣ ΠΡΟΓΡΑΜΜΑΤΙΣΜΟΣ) 2005-06, 2006-07, 2007-08
- Διδάσκων 407 στο Τμήμα Εφαρμοσμένης Πληροφορικής του Πανεπιστημίου Μακεδονίας, (Μαθήματα: Ασφάλεια Πληροφοριακών Συστημάτων, Ευφυή Συστήματα) Θεσσαλονίκη. Ακαδημαϊκά έτη: (1998-1999, 1999-2000)
- Διδάσκων 407 στο Πανεπιστήμιο Θεσσαλίας, Ιατρική Σχολή (Πληροφορική) 1999

ΣΥΓΓΡΑΦΕΑΣ ΒΙΒΛΙΩΝ:

- Ηλιάδης Λάζαρος,. 2007. «Ευφυή Πληροφοριακά Συστήματα και Εφαρμογές στην Εκτίμηση Κινδύνου» ISBN: 978-960-6741-33-3 Εκδόσεις Α. Σταμούλη, Θεσσαλονίκη

- Ηλιάδης Λάζαρος, Αντώνης Παπαλεωνίδας, 2016. «Υπολογιστική Νοημοσύνη και Ευφυείς Πράκτορες – Θεωρία και Υλοποίηση Ευφών Συστημάτων σε περιβάλλον MATLAB, WEKA, eSNN, JADE» Εκδόσεις Τζιόλα Θεσσαλονίκη (υπό εκτύπωση)

-Συν συγγραφέας 2 ακαδημαϊκών συγγραμμάτων Δασική Πληροφορική 1 και Δασική Πληροφορική 2, που διδάσκονται στο Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

ΚΕΦΑΛΑΙΑ ΒΙΒΛΙΩΝ:

- L. Pliadis, T. Betsidou, 2011 “*Soft Computing modeling of wild fire Risk Indices: the risk profile of Peloponnesus region in Greece*”: “E-Agriculture and Rural Development: Global Innovations and Future Prospects” *IGI Global Publishers of Science and Technology*, Pennsylvania, New York, USA Εκδότης Professor B.M. Maumbe, Davis College of Agriculture, Natural Resources and Design, West Virginia University, USA ISBN: 978-1-4666-2655-3

- K Kitikidou, L Iliadis 2011 "Developing neural networks to investigate relationships between air quality and quality of life indicators" Book: "Air Pollution / Book 1" ΚΕΦΑΛΑΙΟ 11, "Developing neural networks to investigate relationships between air quality and quality of life indicators" pp. 245-258 ISBN 979-953-307-228-8 INTECH Editor Mukesh Khare

ΕΠΙΣΤΗΜΟΝΙΚΟ ΕΡΓΟ

Scholar google h-index 13, i10-index 17

ΕΤΕΡΟΑΝΑΦΟΡΕΣ μόνο από το Scholar Google : 647

<https://scholar.google.gr/citations?user=SnqR9wYAAAAJ&hl=el>

DBLP Computer Science Bibliography

http://dblp.uni-trier.de/pers/hd/i/Iliadis:Lazaros_S=

ΣΥΝΟΛΙΚΟ Impact factor 51,091

52 ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ

J1. Iliadis L., Papastavrou A., Lefakis P. (2002). "A computer-system that classifies the prefectures of Greece in forest fire risk zones using fuzzy sets" *FOREST POLICY AND ECONOMICS* 4/1 (2002) pp. 43-54. ISSN: 1389-9341. Amsterdam Elsevier Science, Impact factor 0,768

J2. Iliadis L., Papastavrou A., Lefakis P. (2002). "A Heuristic Expert System for Forest Fire Guidance in Greece" *JOURNAL OF ENVIRONMENTAL MANAGEMENT* Vol. 65, Issue 3. pp. 327-336 August 2002. Academic Press, Cambridge, ISSN: 0301-4797. SCIENCE CITATION INDEX Impact Factor 1,794 5 year Impact factor 2,286

J3. Iliadis L., Koutroumanidis T., Arabatzis G. and Arapatsakos C. (2003). "An Expert System for Ranking Companies and Investments: Wood Industry Case" *YUGOSLAV JOURNAL OF OPERATIONS RESEARCH* University of Belgrade Vol. 13. No 2 pp. 187-197. ISSN: 0354-0243

J4. Iliadis L., Koutroumanidis C. T., Arabatzis G. (2004). "Evaluation and ranking of the financial status of the Greek Union of Rural Cooperatives by a prototype computer expert system that makes use of multicriteria analysis and Fuzzy Logic" *Διεθνές επιστημονικό περιοδικό JOURNAL OF AGRICULTURAL ECONOMICS REVIEW* Volume 5, Number 1, pp. 24-35 January 2004. ISSN 1109-2580.

- J5. Koutroumanidis T., Iliadis L., και Arabatzis G. (2004) "Evaluation and forecasting of the financial performance of the unions of rural cooperatives by a decision support system" *JJRE JAPANISH JOURNAL OF RURAL ECONOMICS*, Volume 6, April 2004, pp. 31-44, Tokyo
- J6. Papageorgiou A., Iliadis L. (2004) "A Decision Support System inferring the Genotypes of seed trees from open pollinated progenies" *SILVAE GENETICA* Volume 53, 3, pp. 111-116, 2004, J.D. Sauerlander's Verlag, Bundesforschungsanstalt für Forst - und Holzwirtschaft Frankfurt, Germany Impact factor 0,28
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- J10. Pimenidis E., Iliadis L., Jahankhani H., (2005) "E-Learning in the workplaces in the Rural Sector of North-Eastern Greece" *OPERATIONAL RESEARCH AN INTERNATIONAL JOURNAL* Volume 5, Number 1, pp. 35-47, January-April 2005. Springer ISSN:1109-2858
- J11. Avramidis S., Iliadis L. (2005). "Predicting Wood Thermal Conductivity Using Artificial Neural Networks" *WOOD AND FIBER SCIENCE* Volume 37 (4) 2005, pp. 682-690. (Virginia Tech Brooks Forest Products Center) Καναδάς. ISSN: 0735-6161. Impact factor 0,453
- J12. Koutroumanidis T., Iliadis L, Sylaios G., (2006) "Time Series Modeling of Anchovy Landings using ARIMA and Fuzzy Expected Intervals' Software" *ENVIRONMENTAL MODELLING AND SOFTWARE* Elsevier Science ISSN: 1364-8152 Volume 21, Issue 12, pp. 1711-1721 Impact factor 4,420
- J13. Avramidis S., Iliadis L., Mansfield S. (2006) "Wood Dielectric Loss Factor Prediction with Artificial Neural Networks" *WOOD SCIENCE AND TECHNOLOGY* ISSN: 0043-7719 Volume 40, Number 7, pp. 563-574. 18th July

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J15. Iliadis L., Maris F., (2007) "An Artificial Neural Network model for Mountainous Water-Resources Management: The case of Cyprus Mountainous Watersheds". *ENVIRONMENTAL MODELLING AND SOFTWARE* Volume 22, Issue 7, pp. 1066-1072 Elsevier Science ISSN: 1364-8152 (Centre for Resource and Environmental Studies

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J17. Mansfield S., Iliadis L., Avramidis S., (2007). "Neural Network Prediction of Bending Strength and Stiffness in Western Hemlock" *HOLZFORSCHUNG*, Volume 61, Issue 6, pp. 707-716 Walter De Gruyter & Co. Impact factor 1,402

J18. Iliadis L., Spartalis S., Paschalidou A., Kassomenos (2007). "Artificial Neural Network Modelling of the surface Ozone concentration" *INTERNATIONAL JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS* Volume 2, No 2, pp.125-138 August 2007. Department of Mathematics, University of Qiongzhou, China ISSN: 1819-4966.

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J20. Iliadis L, S. Spartalis, S. Tachos, (2008) "Application of fuzzy T-norms towards Artificial Neural Networks' evaluation: A case from wood industry" *JOURNAL INFORMATION SCIENCES (Informatics and Computer Science Intelligent Systems Applications)* Volume 178, Issue 20, pp. 3828-3839 Elsevier Science, Impact factor 3,095

J21. T. Glezakos, T. Tsiligkiridis, L. Iliadis, C. Yialouris, F. Maris, P. Ferendinos (2009) "Feature Extraction for Time Series Data: an Artificial Neural Network Evolutionary Training Model for the Management of Mountainous

Watersheds” *NEUROCOMPUTING*, Volume 73, Issue 1-3 pp. 49-59 Elsevier Science, Impact factor 1,429

J22. Efstratios K. Kosmidis, Anastasia S. Tsingotjidou, Lazaros Iliadis, Christos Batzios, Georgios C. Papadopoulos, “(2009) “A sparsely connected network to model the relay stations of the sheep milk ejection reflex”, *NEUROCOMPUTING*, Volume 73, Issue 1-3, pp. 80-86 ISSN:0925-2312 Elsevier Science, Impact factor 1,429

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J25. Spartalis S., Iliadis Lazaros, (2009). “Risk modeling by applying Unsupervised Neural Clustering on Fuzzy Conjunction Vectors” *FUZZY SETS, ROUGH SETS, MUTLIVALUED OPERATIONS AND APPLICATIONS* Volume 1. No 2, (July-December 2009) pp. 143-150, Serial Publications ISSN: 0974-9942

J26. Iliadis Lazaros, M. Vangeloudh, S. Spartalis (2010). “An intelligent system employing an enhanced fuzzy *c*-means clustering model: Application in the case of forest fires”. *Journal COMPUTERS AND ELECTRONICS IN AGRICULTURE* Volume 70 Issue 2, March 2010 pp. 276-284 Elsevier Science. Impact factor 1,273

J27. G. Anastasopoulos, Lazaros Iliadis (2009). “Intelligent hybrid modeling towards the prognosis of abdominal pain” *Engineering Intelligent Systems* Volume 6, Number 4, pp. 245-255 IOS Press

J28. D. Matzaris, G. Anastasopoulos, Lazaros Iliadis, A. Adamopoulos (2009). “A Hybrid Multi-Objective Genetic Algorithm for Evaluation of Essential Sets of Medical Diagnostic Factors” *Engineering Intelligent Systems* Volume 17 Nos 2/3 June/September 2009 pp. 99-104 Curtin University of Technology, Australia, CRL Publishing

J29. T. Tsataltzinos, Lazaros Iliadis, S. Spartalis (2010). “A fuzzy Inference rule-Based System for the estimation of Forest Fire Risk: The case of Greece” *Engineering Intelligent Systems* Volume 18 /2010, no 1, March 2010 pp. 59-67 Curtin University of Technology, Australia, CRL Publishing

J30. Lazaros S. Iliadis, Nikoleta Zigkrika (2011) “Evaluating fuzzy multi-feature scenarios for forest fire risk estimation” *JOURNAL OF INFORMATION TECHNOLOGY IN AGRICULTURE* Volume 4 #1 /2011, ISSN: 1546-959X

J31. Shawn D. Mansfield, Kyu-Young Kang, Lazaros S. Iliadis, Stavros Tachos, Stavros Avramidis (2011) "Predicting the Strength of *Populus spp.* Clones using Artificial Neural Networks and ϵ -regression Support Vector Machines" *HOLZFORSCHUNG, Volume 65* pp. 855-863 Walter De Gruyter & Co. Impact factor 1,307

J32. Lazaros Iliadis, Fotis Maris, Stavros Tachos (2011) "Soft Computing Techniques toward modeling the water supplies of Cyprus" Journal *NEURAL NETWORKS Volume 24 issue 8* pp. 836-842 October 2011 Boston University USA, Elsevier Science Impact factor 1,955

J33. Lazaros Iliadis, Stergios Skopianos, Stavros Tachos and Stepanhos Spartalis (2011) "Testing Sigmoid and Gaussian fuzzy sets towards forest fire risk modeling" *Engineering Intelligent Systems Volume 18 Nos 3/4* September/December 2010 pp.125-132 Curtin University of Technology, Australia, CRL Publishing

J34. Georgios Anastassopoulos, Dimitrios Mantzaris, Lazaros Iliadis, K. Kazakos and Harris Papadopoulos (2011) "Osteoporosis risk factor estimation using artificial neural networks" *Engineering Intelligent Systems Volume 18 Nos 3/4* September/December 2010 pp. 205-211 Curtin University of Technology, Australia, CRL Publishing

J35. L Iliadis, K Kitikidou, K Skoulariki, (2012). "Combining Survival Analysis and Neural Networks to predict Life Expectancy" *International Journal of Artificial Intelligence* Volume 9, Number A12, pp. 140-151

J36. Vijai Rao, L Iliadis, S Spartalis, A Papaleonidas (2012). "Modelling Environmental factors and Effects in Virtual Warfare simulators by using a Multi Agent approach" *International Journal of Artificial Intelligence* Volume 9, Number A12 pp. 172-185

J37. Kyriaki Kitikidou, Lazaros Iliadis, Iliana Spartali (2012) "Neural modeling classification of western and transition European economies based on energy patterns" *Engineering Intelligent Systems* CRL Publishing Leicester UK Vol 20 no 1 March 2012

J38. Ioannis Karydis, Katia Lida Kermanidis, Spyros Sioutas, Lazaros Iliadis (2013) "Comparing content and context based similarity for musical data" *NEUROCOMPUTING* Vol 107, pp. 69-76 Elsevier Impact factor 1,580

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Elsevier Impact Factor 1,580 DOI: 10.1016/j.neucom.2012.05.034 Impact factor 1,580

J40. Ioannis Stephanakis, Georgios Anastasopoulos, Lazaros Iliadis, (2013) “A Self-Organizing Feature Map (SOFM) Model Based On Aggregate-Ordering Of Local Color Vectors According to Block Similarity Measures” *NEUROCOMPUTING* Elsevier Vol 107, pp. 97-107 Impact factor 1,580

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J43 Kyriaki Kitikidou, Elias Milios, Lazaros Iliadis, Minas Kaymakis (2013) Pilot neural modeling of the inside bark tree diameter. A comparative study with robust regression *Engineering Intelligent Systems*, CRL Publishing, Australia, Volume 21 Numbers 2/3: pp. 125–131

J44 Antonios Kalampakas, Stefanos Spartalis, Lazaros Iliadis, Elias Pimenidis (2014) Fuzzy Graphs: Algebraic Structure and Syntactic Recognition *Journal Artificial Intelligence Review*, October 2014, Volume 42, Issue 3, pp 479-490 SPRINGER, University of Edinburgh, UK Impact factor 1,565

J45 Evanthia Faliagka, Lazaros Iliadis, Ioannis Karydis, Maria Rigou, Spyros Sioutas, Athanasios Tsakalidis, Giannis Tzimas (2014) On-line Consistent Ranking on E-recruitment; Seeking the truth behind a well-formed CV” *Journal Artificial Intelligence Review*, October 2014, Volume 42, Issue 3, pp 515-528 SPRINGER, University of Edinburgh, UK Impact factor 1,565

J46 Antonios Papaleonidas, Lazaros S. Iliadis (2013) Neurocomputing techniques to dynamically forecast spatiotemporal air pollution data. *Journal Evolving Systems* vol 4 (4): SPRINGER, pp. 221-233 (2013)

J47 Vasiliki Dimou, Lazaros S. Iliadis, Ilias Bougoudis (2014) Computational intelligence modeling and assessment of industrial noise: the case of wood manufacturing *Engineering Intelligent Systems*, Volume 22 Numbers 3/4 September/December 2014 Australia, CRL Publishing

J48 Ilias Bougoudis, Konstantinos Demertzis, Lazaros Iliadis (2015) “HISYCOL a Hybrid Computational Intelligence System for Combined Machine Learning: The case of Air Pollution Modeling in Athens” *Neural Computing and*

Applications Springer, DOI: 10.1007/s00521-015-1927-7 Impact factor 1,763

J49 Vasileios Kitsikoudis, Epaminondas Sidiropoulos, Lazaros Iliadis, Vlassios Hrissanthou (2015) “A Machine Learning Approach for the Mean Flow Velocity Prediction in Alluvial Channels” *Water Resources Management*, Springer, September 2015, Volume 29, Issue 12, pp 4379-4395 DOI 10.1007/s11269-015-1065-0 Impact Factor 2,6

J50 Konstantinos Demertzis, Lazaros Iliadis, (2015) “Fast and Low Cost Prediction of Extreme Air Pollution Values with Hybrid Unsupervised Learning” *Integrated Computer-Aided Engineering*, IOS Press Accepted, DOI: 10.3233/ICA-150505 Impact factor 4,698

J51 Konstantinos Demertzis, Lazaros Iliadis, Stavros Avramidis and Yousry A. El-Kassaby (2015) “Machine learning use in predicting interior spruce wood density, utilizing progeny test information” *Neural Computing and Applications*, Springer, Impact factor, 1,569 DOI 10.1007/s00521-015-2075-9

J52 Xenophon Evangelopoulos, Victor Giannakouris - Salalidis, Lazaros Iliadis, Christos Makris, 2016. Evaluating Information Retrieval using Document Popularity: An implementation on Map Reduce, *Journal Engineering Applications of Artificial Intelligence* Impact factor, 2,207

77 ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ ΔΙΕΘΝΩΝ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΣΥΝΕΔΡΙΩΝ ΜΕ ΚΡΙΤΕΣ

--IC1. Arapatsakos I. C., Hliadis S.L., Papastavrou K. A. (2001). “A computer system that estimates the environment contribution of the emissions of petrol pruning saws using biofuels” *Proceedings* pp. 799-804 ISBN: 960-86947-4-4 του “Forest Research: A challenge for an integrated European approach. NAGREF

--IC2. Andreopoulou Z., Hliadis L., Lefakis P., Papastavoru A. (2001). “Computer analysis and clustering graduate students of the Department of Forestry and Natural Environment according to computer literacy” *Proceedings* pp. 755-758 ISBN: 960-86947-4-4 του διεθνούς συνεδρίου με τίτλο “Forest Research. A Challenge for an Integrated European Approach” NAGREF

--IC3. Arapatsakos I. C., Hliadis S. L., Koutroumanidis C.T. (2002). Poster. “The use of biofuels in rototiller engines and estimation of the environmental benefits

by using a visual computerized system” Proceedings Volume 2, pp. 1233-1240 I.S.W.A. World Environment International Congress and Exhibition Vol 2. Turkey

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<http://delab.csd.auth.gr/aiai2009/organization.html>
- PROGRAM Chair 6th AIAI-IFIP (WG. 12.5) Conference Artificial Intelligence Applications and Innovations Cyprus, 5-7 October 2010
<http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=9318©ownerid=3565>
<http://www.conferencealerts.com/seeconf.mv?q=ca160hmx>
- PROGRAM Chair 20th ICANN - ENNS International Conference of Artificial Neural Networks. 15-18 September 2010.
<http://delab.csd.auth.gr/icann2010/>
- PROGRAM Chair 12th Joint conference 12th EANN – 7th AIAI – IFIP (WG12.5) 15-18 September 2011 Kerkyra (Corfu).
<http://delab.csd.auth.gr/eann2011/index.html>
- PROGRAM Chair 8th AIAI - IFIP (WG 12.5) Conference Artificial Intelligence Applications and Innovations (AIAI) Chalkidiki, 27-30 September 2012 IFIP (International Federation for Information Processing
<http://delab.csd.auth.gr/aiai2012/call%20for%20papers.html>
- PROGRAM Chair 13th EANN – INNS (SI Group) 20-23 September 2012 London, UK Campus Coventry University <http://www.eann.org.uk/eann2012/org.php>
PROGRAM Chair 14th EANN- INNS (SI Group) International Conference Engineering Applications of Neural Networks Chalkidiki, Greece 13-16 September 2013 <http://delab.csd.auth.gr/eann2013/>
- PROGRAM Chair 9th AIAI- IFIP (WG 12.5) Conference Artificial Intelligence Applications and Innovations Pafos Cyprus, 30 September-2 October 2013

WORKSHOP Chair 26th International Conference on Advanced Information Systems Engineering CAISE 2014, 16-20 June, Thessaloniki
<http://delab.csd.auth.gr/caise2014/cfp.php>

- PROGRAM Committee Chair 10th (AIAI) 2014 Artificial Intelligence Applications and Innovations Rhodes, Greece 19-21 September 2014 IFIP (International Federation for Information Processing
<http://delab.csd.auth.gr/aiai2014/>
- PROGRAM Committee Chair 15th EANN – INNS (SI Group) 5-7 September 2014, Technical University of Sofia, Bulgaria. <http://www.eann2014.org/cms/>
- PROGRAM Committee Chair 16th EANN – INNS (SI Group) 25-28 September 2015, Rhodes, Greece.
<http://delab.csd.auth.gr/eann2015/>
- ORGANIZING Chair 5th MEDI 2015 International Conference Model and Data Engineering 26-28 September 2015, Rhodes, Greece.
<http://delab.csd.auth.gr/medi2015/>
- ADVISORY Committee 11th (AIAI) 2015 Artificial Intelligence Applications and Innovations Biarritz France 14-17 September 2014 IFIP (International Federation for Information Processing <http://aiai2015.sigappfr.org/>
- PROGRAM Committee Chair 12th (AIAI) 2016 Artificial Intelligence Applications and Innovations Thessaloniki, Greece 16-18 September 2016 IFIP (International Federation for Information Processing
<http://conferences.cwa.gr/aiai2016/>
- PROGRAM Committee Chair 8th (ICCCI) 2016 23-25 October 2016 Halkidiki, Greece <http://conferences.cwa.gr/iccci2016/>
- PROGRAM Committee Chair INNS BIG DATA 2016 October 2016, Thessaloniki, Greece

ΜΕΛΟΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΕΠΙΤΡΟΠΩΝ 52 ΔΙΕΘΝΩΝ ΣΥΝΕΔΡΙΩΝ

ΠΡΟΣΚΕΚΛΗΜΕΝΟΣ ΟΜΙΛΗΤΗΣ

- **Keynote Speaker** στο 11th international Conference EANN 2009 που διεξήχθη στο University of East London τον Αύγουστο του 2009 (24-26) με θέμα: *“Fuzzy Logic risk modeling - Intelligent Agents Networks employing hybrid*

techniques: Application in Environmental problems”
<http://www.uel.ac.uk/eann2009/program.htm>

- Εισήγηση Tutorial μιας ώρας (κατόπιν Προσκήσεως από τον Καθηγητή κ *Ανδρέα Ανδρέου Τεχνικό Πανεπιστήμιο Κύπρου*) στο 6th IFIP AIAI Conference (Artificial Intelligence Applications and Innovations) που διεξήχθη στο Πανεπιστήμιο της Κύπρου τον Οκτώβριο 6-7 του 2010. (Διοργάνωση University of Cyprus, Cyprus University of Technology). Η πρόσκληση για να πραγματοποιήσω tutorial εστάλη από τον πρόεδρο του συνεδρίου Καθηγητή του Πανεπιστημίου Κύπρου κ. Ανδρέα Ανδρέου. Θέμα: “*Structured Real Time Mutli Agent Technologies (under the JADE platform) employing Soft Computing: Contribution in Sustainable Development*”
- Εισήγηση Tutorial μιας ώρας (κατόπιν Προσκήσεως από τον Καθηγητή κ *Dominic Palmer Brown ΚΟΣΜΗΤΟΡΑ (Dean) του Faculty of Computing του London Metropolitan University*) στα πλαίσια του Workshop που διοργανώθηκε από την [International Neural Network Society (INNS)] <http://www.inns.org/> και ειδικότερα από το **Special Interest Group** on Engineering Applications of Neural Networks. Η εισήγησή μου είχε θέμα: “Fuzzy Logic Risk Modeling” και πραγματοποιήθηκε στις 25/11/2010.
- Κατόπιν Προσκήσεως του Τμήματος Πληροφορικής του Ιόνιου Πανεπιστημίου στα πλαίσια του Θερινού Σχολείου **HAISS 2013** (3ο Πανελλήνιο Θερινό Σχολείο ΤΕΧΝΗΤΗΣ ΝΟΗΜΟΣΥΝΗΣ-ΜΗΧΑΝΙΚΗ ΜΑΘΗΣΗ) έκανα διάλεξη με το εξής θέμα:
Α. **Ήπια Υπολογιστική Μέρος 1^ο ANN & e-Regression Support Vector Machines**
Β. **Ήπια Υπολογιστική Μέρος 2^ο Ασαφής Λογική και Ασαφή Πληροφοριακά Συστήματα**
- <http://haiss2013learning.di.ionio.gr/index.php/speakers/3-2013-05-14-16-26-26>

ΕΠΙΣΚΕΠΤΗΣ ΚΑΘΗΓΗΤΗΣ ΣΕ ΑΕΙ ΤΟΥ ΕΞΩΤΕΡΙΚΟΥ

- Στις 12/5/09 έδωσα διάλεξη-σεμινάριο σαν Προσκεκλημένος Επισκέπτης Καθηγητής στο **University of London, Birkbeck College, School of Computer Science and Information Systems**, με θέμα *Fuzzy Knowledge Representation and Environmental Risk Assessment*
- Στις 23/11/10 δίδαξα 5 ώρες σαν Προσκεκλημένος Επισκέπτης Καθηγητής στο **Μεταπτυχιακό Πρόγραμμα Σπουδών MSc Data Mining and Knowledge Management Systems** και στα πλαίσια του μαθήματος *Knowledge Management Systems* στο **University of East London, School of Computing Information**

Technology and Engineering, με θέμα Computational Intelligence-Fuzzy Inference Systems

- Προσκλήθηκα από τον Καθηγητή κ Mark Richardson (Acting Head of (DISE) Department of Informatics and Systems Engineering, **CRANFIELD UNIVERSITY** England UK) και έδωσα διάλεξη στο αντικείμενο: «Soft Computing and Real-Time Hybrid Multi Agent Systems: Basics and cases» στις 23 Απριλίου 2012.

Reviewer σε 41 Διεθνή Επιστημονικά Περιοδικά

1. *ECOLOGICAL MODELLING* (Elsevier)
2. *ENVIRONMENTAL MODELLING AND SOFTWARE* (Elsevier)
3. *ECOLOGICAL INFORMATICS* (Elsevier)
4. *RISK ANALYSIS AN INTERNATIONAL JOURNAL*
5. *OPERATIONAL RESEARCH*
6. *INFORMATION SCIENCES-INTELLIGENT SYSTEMS APPLICATIONS* (Elsevier)
7. *TRANCACTIONS ON FUZZY SYSTEMS*
8. *JOURNAL OF UNIVERSAL COMPUTER SCIENCE*
9. *POLISH JOURNAL OF ENVIRONMENTAL STUDIES*
10. *INTERNATIONAL JOURNAL OF NEURAL SYSTEMS*
11. *INTERNATIONAL JOURNAL OF ARTIFICIAL INTELLIGENCE TOOLS*
12. *ASIA PACIFIC MANAGEMENT REVIEW*
13. *COMPUTERS AND ELECTRONICS IN AGRICULTURE* (Elsevier)
14. *WATER MANAGEMENT*
15. *INTELLIGENT SYSTEMS IN ACCOUNTING FINANCE AND MANAGEMENT*
16. *JOURNAL OF AMBIENT INTELLIGENCE AND SMART ENVIRONMENTS*
17. *Journal OR SPECTRUM* (Springer)
18. *NEURAL COMPUTING & APPLICATIONS*
19. *JOURNAL* (Springer)
20. *IEEE JOURNAL OF SELECTED TOPICS IN EARTH OBSERVATIONS AND REMOTE SENSING*
21. *THE COMPUTER JOURNAL*
22. *ENVIRONMENTAL TECHNOLOGY*
23. *ATMOSPHERIC ENVIRONMENT*
24. *CENTRAL EUROPEAN JOURNAL OF OPERATIONS RESEARCH*
25. *IEEE TRANSACTIONS ON SYSTEMS, MAN CYBERNETICS-PART B: CYBERNETICS*
26. *NEURAL NETWORKS* (Elsevier)
27. *GLOBAL NEST JOURNAL*
28. *ENVIRONMENTAL MONITORING AND ASSESSMENT*
29. *Journal SENSORS*
30. *INTERNATIONAL JOURNAL OF ARTIFICIAL INTELLIGENCE*
31. *EDUCATIONAL RESEARCH AND REVIEWS*
32. *JOURNAL OF HYDROLOGY*
33. *NEUROCOMPUTING* (Elsevier)

- 34. IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS
- 35. INTEGRATED COMPUTER-AIDED ENGINEERING
- 36. INFORMATION SYSTEMS AND e-BUSINESS MANAGEMENT
- 37. EVOLVING SYSTEMS
- 38. COGNITIVE COMPUTATION
- 39. COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE
- 40. BIORES (BioResources)
- 41. Journal of Intelligent Manufacturing

Μέλος Επιστημονικών Εταιρειών

- Secretary of the *Technical Committee 12 Working Group 12.5* of IFIP
- Member of the board of governors of the ENNS (European Neural Network Society),
- Member of the Hellenic AI Society
- Member of the INNS (International Neural Network Society)
- Ex-President of the HAICTA

- **ΑΞΙΟΛΟΓΗΤΗΣ ΕΡΕΥΝΗΤΙΚΩΝ ΠΡΟΤΑΣΕΩΝ ΣΤΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ**

Επιλέχθηκα από την Επιτροπή Προκήρυξης του Προγράμματος Ενίσχυσης της Έρευνας "Καραθεοδωρή" στο Πανεπιστήμιο Πατρών ως κριτής ερευνητικών προτάσεων Βασικής Έρευνας.

- **ΜΕΛΟΣ ΕΠΙΤΡΟΠΩΝ ΑΞΙΟΛΟΓΗΣΗΣ ΕΡΓΩΝ ΤΗΣ ΚΟΙΝΩΝΙΑΣ ΤΗΣ ΠΛΗΡΟΦΟΡΙΑΣ Α.Ε.**

i) Με βάση την απόφαση 4654/14-10-2003 η κοινωνία της Πληροφορίας με εξέλεξε σαν **τακτικό** μέλος της επιτροπής Διενέργειας και αξιολόγησης προσφορών του ανοικτού διαγωνισμού για το έργο «Σύμβουλος Τεχνικής Υποστήριξης για το Ολοκληρωμένο **Πληροφοριακό Σύστημα** Υγείας του ΠΕΣΥΠ Αν. Μακεδονίας και Θράκης»

ii) Με βάση την απόφαση 2975/9-7-2003 η κοινωνία της Πληροφορίας με εξέλεξε σαν **αναπληρωματικό** μέλος της επιτροπής Διενέργειας και αξιολόγησης προσφορών του ανοικτού διαγωνισμού επιλογής αναδόχου για το έργο «**Πληροφοριακό Σύστημα** Υγείας του ΠΕΣΥΠ Αν. Μακεδονίας και Θράκης.

- **ΑΞΙΟΛΟΓΗΤΗΣ ΕΡΕΥΝΗΤΙΚΩΝ ΠΡΟΤΑΣΕΩΝ-ΕΡΓΩΝ
ΣΤΟΝ ΕΘΝΙΚΟ ΟΡΓΑΝΙΣΜΟ ΕΡΕΥΝΑΣ ΤΗΣ ΧΙΛΗΣ
(COMISION NACIONAL DE INVESTIGACION CIENTIFICA
Y TECNOLOGIA) – CONICYT- National Fund for Scientific and
Technological Development - FONDECYT**

Το 2015 αξιολόγησα σειρά ερευνητικών προτάσεων από Πανεπιστήμια και ερευνητικά κέντρα της Χιλής

- **ΑΞΙΟΛΟΓΗΤΗΣ ΕΡΓΩΝ-ΠΡΟΤΑΣΕΩΝ ΕΡΕΥΝΑΣ ΤΗΣ ΓΓΕΤ**

Το 2015 αξιολόγησα σειρά ερευνητικών έργων στο Β αιγαίο και στην Αν Μακεδονία-Θράκη

- **ΑΞΙΟΛΟΓΗΤΗΣ ΔΙΔΑΚΤΟΡΙΚΗΣ ΔΙΑΤΡΙΒΗΣ ΚΑΙ ΤΟΥ
ΠΡΟΓΡΑΜΜΑΤΟΣ ΜΕΤΑΠΤΥΧΙΑΚΩΝ ΣΠΟΥΔΩΝ ΣΤΟ
UNIVERISTY OF EAST LONDON**

ΕΠΙΒΛΕΠΩΝ ΔΙΔΑΚΤΟΡΙΚΗΣ ΔΙΑΤΡΙΒΗΣ (ΑΠΟ ΤΗΝ ΑΡΧΗ) ΠΟΥ ΟΛΟΚΛΗΡΩΘΗΚΕ ΕΠΙΤΥΧΩΣ

- ***ΑΙ. Επιβλέπων της Διδακτορικής Διατριβής του κ. Τσαταλτζινού Θεοχάρη στο τμήμα Δασολογίας και Δ.Π και ΦΠ του Δημοκρίτειου Πανεπιστημίου Θράκης η οποία ολοκληρώθηκε επιτυχώς. Θέμα της διατριβής: «Ανάπτυξη και εφαρμογή Πρωτότυπου Πληροφοριακού Συστήματος με τη χρήση Μηχανισμών Νόησης βάσει Κανόνων και Περιπτώσεων για τη Διαχείριση Προβλημάτων Φυσικών Καταστροφών» Δημοσιεύσεις: IC26, IC28, IC46, IC52, IC64, HC4, J19, J29***

ΕΠΙΒΛΕΠΩΝ ΔΙΔΑΚΤΟΡΙΚΩΝ ΔΙΑΤΡΙΒΩΝ ΣΕ ΕΞΕΛΙΞΗ

- ***ΑΙ. Επιβλέπων της Διδακτορικής Διατριβής του κ. Μπεζιρτζόγλου Χρήστου στο Δημοκρίτειο Πανεπιστήμιο Θράκης με θέμα: «Σχεδιασμός βιώσιμης περιφερειακής ανάπτυξης ως προς τον παράγοντα της ατμοσφαιρικής ρύπανσης μέσω ενός Συστήματος Στήριξης Αποφάσεων» Δημοσιεύσεις: IC38***

- **A2. Επιβλέπων της Διδακτορικής Διατριβής** του κ Παπαλεωνίδα Αντώνη στο Δημοκρίτειο Πανεπιστήμιο Θράκης με **θέμα:** ««Ανάπτυξη Κατανεμημένου Δικτύου Ευφυών Πρακτόρων Υβριδικής Νόησης, για την ανάλυση- παρακολούθηση περιβαλλοντικών προβλημάτων με σκοπό τη διαχείρισή τους σε πραγματικό χρόνο» **Δημοσιεύσεις:** IC49
- **A3. Επιβλέπων της Διδακτορικής Διατριβής** του κ. Κων/νου Δεμερτζή στο Δημοκρίτειο Πανεπιστήμιο Θράκης με **θέμα:** «"Ανάπτυξη Ευφυών Προτύπων και αντίστοιχων Πληροφοριακών Συστημάτων, εμπνευσμένων από Βιολογικά αντίστοιχα, με στόχο την αξιολόγηση Περιβαλλοντικών Προβλημάτων και Κινδύνων"
- **A4. Επιβλέπων της Διδακτορικής Διατριβής** του κ. Βαρδή Ανεζάκη

ΕΠΙΒΛΕΠΩΝ ΜΕΤΑΠΤΥΧΙΑΚΩΝ ΔΙΑΤΡΙΒΩΝ

Στα πλαίσια του ΠΜΣ του Τμήματος Δασολογίας και Δ.Π. και Φ.Π. του ΔΠΘ με τίτλο "ΑΕΙΦΟΡΙΚΗ ΔΙΑΧΕΙΡΙΣΗ ΠΕΡΙΒΑΛΛΟΝΤΟΣ ΚΑΙ ΦΥΣΙΚΩΝ ΠΟΡΩΝ" επέβλεψα την εκπόνηση 17 Μεταπτυχιακών Διατριβών οι οποίες ολοκληρώθηκαν και επιβλέπω 4 μεταπτυχιακές διατριβές σε εξέλιξη

ΕΠΙΣΤΗΜΟΝΙΚΑ ΥΠΕΥΘΥΝΟΣ ΠΡΟΣΦΑΤΩΝ ΑΝΤΑΓΩΝΙΣΤΙΚΩΝ ΕΡΕΥΝΗΤΙΚΩΝ ΠΡΟΓΡΑΜΜΑΤΩΝ (ολοκληρώθηκαν)

Α. Από το Σεπτέμβριο του 2011 ήμουν **Επιστημονικά Υπεύθυνος** για το ΔΠΘ του **ανταγωνιστικού** έργου ΕΣΠΑ που χρηματοδοτείται από τη ΓΓΕΤ, Υπ. Παιδείας ΔΒΜΘ-ΕΥΔΕ/ΕΤΑΚ (ΕΣΠΑ/ΕΠΑΝ ΙΙ-ΠΕΠ/ Ενίσχυση Μικρομεσαίων Επιχειρήσεων) ΚΕ 2140 27/9/2011 έως και 26/5/2014 Τίτλος: «Κατανεμημένο Ευφύες Σύστημα παρακολούθησης και αντιμετώπισης έντονων αλλαγών της ατμοσφαιρικής ρύπανσης και του δείκτη δυσφορίας σε πραγματικό χρόνο μέσα από μια συνεχή διαδικασία» **Συνολικός προϋπολογισμός 170.000 Ευρώ για το ΔΠΘ 66.255 Ευρώ**

Αγγλικός τίτλος "*Distributed System of Intelligent Agents for the monitoring and facing serious changes in the levels of air pollution and Heat Index in real time (AID)* (Air pollution Intelligent Defense) <http://www.karteco.gr/AID/>
<http://www.b2green.gr/el/post/19781/>

B. Συμμετείχα στην ερευνητική ομάδα του Ερευνητικού έργου «*Real Time Operational Control Tool of Combined Sewerage Overflows (SCO) at Coastal Cities*» σαν Επιστημονικά Υπεύθυνος για το ΔΠΘ. Το έργο ολοκληρώθηκε στα πλαίσια της Δράσης Εθνικής Εμβέλειας «**ΣΥΝΕΡΓΑΣΙΑ 2011 – Συμπράξεις Παραγωγικών και Ερευνητικών Φορέων σε Εστιασμένους Ερευνητικούς και Τεχνολογικούς Τομείς**» η **χρηματοδότηση της οποίας εγκρίθηκε από τη ΓΓΕΤ**. Η πρόταση είναι μια από τις **85 που εγκρίθηκαν από το σύνολο των 581 που είχαν υποβληθεί**. Συνολικός προϋπολογισμός **680.000 Ευρώ**

<http://www.realtso.gr/>

<https://itunes.apple.com/gr/app/real-tso/id1032021285?l=el&mt=8>

Η Συμμετοχή μου αφορούσε στην ανάπτυξη καταναεμημένου Δικτύου Ευφών Πρακτόρων που λειτουργεί σε πραγματικό χρόνο για monitoring και control του αποχετευτικού δικτύου της ΕΥΑΘ.

Συμμετοχή σε πολλά παλαιότερα Ερευνητικά προγράμματα.

ΣΥΜΜΕΤΟΧΗ ΣΕ ΕΠΤΑΜΕΛΕΙΣ ΕΠΙΤΡΟΠΕΣ ΔΙΔΑΚΤΟΡΙΚΩΝ ΔΙΑΤΡΙΒΩΝ:

ΔΠΘ

- Τμήμα Δασολογίας & Διαχείρισης Περιβάλλοντος και Φυσικών Πόρων
- Τμήμα Πολιτικών Μηχανικών

ΑΠΘ

- Σχολή Δασολογίας και Φυσικού Περιβάλλοντος

ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ

ΣΥΜΜΕΤΟΧΗ ΣΕ ΕΚΛΕΚΤΟΡΙΚΑ ΣΩΜΑΤΑ:

- ΔΠΘ
- ΑΠΘ
- ΙΟΝΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ
- ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
- ΤΕΙ ΚΕΝΤΡΙΚΗΣ ΕΛΛΑΔΑΣ
- ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΙΓΑΙΟΥ