

Βιογραφικό Σημείωμα

Καθ. Στυλιανός Παπαδάκης

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ΕΚΠΑΙΔΕΥΣΗ

- PhD Thesis: “Genetic Algorithms development for structure identification of Fuzzy systems,” Aristotle University of Thessaloniki, Dept. Electrical and Computer engineer, 1999.
 - Electrical Engineering degree (Dipl.-Eng.), Aristotle University of Thessaloniki, Dept. Electrical and Computer engineer, 1994.
 - Foreign Language: English
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ΑΚΑΔΗΜΑΙΚΕΣ ΘΕΣΕΙΣ

- **09/ 2015-Σήμερα:** Καθηγητής, Τμήμα Διοίκησης Επιχειρήσεων Αγίου Νικολάου, Σχολή Διοίκησης και Οικονομίας, Τεχνολογικό Εκπαιδευτικό Ίδρυμα Κρήτης.
- **12/2017-Σήμερα:** Πρόεδρος Τμήματος Διοίκησης Επιχειρήσεων Αγίου Νικολάου, Σχολή Διοίκησης και Οικονομίας, Τεχνολογικό Εκπαιδευτικό Ίδρυμα Κρήτης.
- **2/2017-12/2017:** Άδεια.
- **09/2013-02/2017:** Πρόεδρος Τμήματος Διοίκησης Επιχειρήσεων Αγίου Νικολάου, Σχολή Διοίκησης και Οικονομίας, Τεχνολογικό Εκπαιδευτικό Ίδρυμα Κρήτης.
- **09/2013-09/2015:** Αναπληρωτής Καθηγητής, Τμήματος Διοίκησης Επιχειρήσεων Αγίου Νικολάου, Σχολή Διοίκησης και Οικονομίας, Τεχνολογικό Εκπαιδευτικό Ίδρυμα Κρήτης.
- **05/2014-09/2014:** Αναπληρωτής Διευθυντής Σχολή Διοίκησης και Οικονομίας, Τεχνολογικό Εκπαιδευτικό Ίδρυμα Κρήτης.
- **2011-2013:** Αναπληρωτής Καθηγητής, Τμήμα Επιχειρηματικού Σχεδιασμού και Πληροφοριακών Συστημάτων Σχολή Διοίκησης και Οικονομίας, Τεχνολογικό Εκπαιδευτικό Ίδρυμα Κρήτης.
- **2009-2011:** Προϊστάμενος Τμήματος Βιομηχανικής πληροφορικής TEI Καβάλας.
- **2006-2009:** Υπεύθυνος Τομέα υπολογιστικών συστημάτων TEI Καβάλας.
- **2005-2006:** Αναπληρωτής Καθηγητής, Τμήματος Βιομηχανικής πληροφορικής TEI Καβάλας.
- **2002-2005:** Επιστημονικός Συνεργάτης Τμήματος Βιομηχανικής Πληροφορικής TEI Καβάλας.

PROJECTS

- **03/2016 – 06/16:** Updating of Renewable Energy Forecasting software (RENFOR), Funded by HTSO S.A (Hellenic Transmission System Operator S.A.).
- **08/2013-12/2013:** *SiNGULAR*, (Smart and Sustainable Insular Electricity Grids under Large-Scale Renewable Integration) in collaboration with power systems laboratory of Electrical and computer engineering department of AUTH. funded by European Commission-Research Directorate General (FP7).
- **3/2012-9/2014:** *Project Archimedes III/Task 4*, Safe retrieval of text and image in special purpose industrial and wireless networks. Technological Educational Institute of Athens, Department of software engineering.
- **2012-2013:** LDS, Load Declaration Software for the participation of the electricity suppliers in the day-ahead electricity market.
- **2011-2012:** *R.EN.FOR*. Forecasting of the production of distribution-level Renewable Energy Sources, including P.V., small hydro, co-generation, biomass, etc., Funded by HTSO S.A (Hellenic Transmission System Operator S.A.).
- **2008-2009** Project Leader: Fuzzy Interval Number Techniques for digital image classification by using parallel processing. (2008-2009).
- **01/2008-03/2009:** *STELF*, Short Term Load forecasting (nodal) Software 2008. Funded by HTSO S.A (Hellenic Transmission System Operator S.A.), (2008).
- **08/2006-08/2008** Project Leader: EPEAEK II, - Reform of Programme of Study for Industrial Informatics Department. Expansion of University Education, Operational Programme in Education and Initial Vocational Training II.(2006-2008) funded by the European Union (European Social Fund) and by National Sources.
- **01/2004-06/2007:** Project Archimedes I, contract no. 04-3-001/1 under Operational Programme in Education and Initial Vocational Training II.
- **06/2003- 06/2004:** DAPHNE, Neural Network based Short-Term Electric Load Forecasting Software. Funded by the PPC, 2003.
- **03/1998-06/1998:** Supervisor of practical Exercising of students for the Department of Electrical Engineering of AUTH.
- **9/1995-12/1996:** Automated system for automatic leather cutting BRITE-EURAM. Aristotle University of Thessaloniki (Auth).

ΔΗΜΟΣΙΕΥΣΕΙΣ

ΔΙΔΚΤΟΡΙΚΗ ΔΙΑΤΡΙΒΗ

- “Γενετικοί αλγόριθμοι και εφαρμογή σε προβλήματα προσδιορισμού δομής των ασαφών συστημάτων,” Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Η/Υ, Αριστοτέλειο πανεπιστήμιο Θεσσαλονίκης, 1999.

ΒΙΒΛΙΑ

- Στέλιος Παπαδάκης και Κώστας Διαμαντάρας, “Προγραμματισμός και Αρχιτεκτονική Συστημάτων Παράλληλης Επεξεργασίας,” Κλειδάριθμος 2001.

ΚΕΦΑΛΑΙΑ ΒΙΒΛΙΩΝ

- George Mastorakis, Evangelos Pallis, Constandinos X. Mavromoustakis, Giorgio Sismanidis, Dimitrios Stratakis, Stelios Papadakis, "Energy-efficient Routing in Cognitive Radio Networks," Edited by: Mavromoustakis, Constandinos X., Pallis, Evangelos, Mastorakis, George, Springer 2014.
- A. Amanatiadis, A. Gasteratos, S.E. Papadakis and V.G. Kaburlasos, "Image Stabilization in Active Robot Vision," Robot Vision, Edited by Ales Ude, ISBN 978-953-307-077-3, pp. 261-274, Publishing date: March 2010, INTECH.
- S.J. Kiartzis, S.E. Papadakis, J.B. Theocharis, A.G. Bakirtzis and V. Petridis, "DAFNE: a neural network based short-term load forecasting program," S.G Tzafestas Advances In Manufacturing. Decision Control and Information Technology," Springer ISBN 1-85233-126- London, Berlin Heidelberg, 1999.

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ

- A. Dimitras, S. Papadakis, and A. Garefalakis, "Evaluation of empirical attributes for credit risk forecasting from numerical data," Investment Management and Financial Innovations, vol. 14, no. 1, pp. 9–18, Mar. 2017.
- S. E. Papadakis, V. G. Kaburlasos, and G. A. Papakostas, "Two fuzzy lattice reasoning (flr) classifiers and their application for human facial expression recognition," J. Mult.-Valued Logic Soft Comput., vol. 22, no. 4–6, pp. 561–579, 2014.
- V. G. Kaburlasos, S. E. Papadakis, and G. A. Papakostas, "Lattice computing extension of the fam neural classifier for human facial expression recognition," IEEE Trans. Neural Networks Learn. Sys., vol. 24, no. 10, pp. 1526–1538, 2013.
- V. G. Kaburlasos, S. E. Papadakis, and A. Amanatiadis, "Binary image 2d shape learning and recognition based on lattice-computing (LC) techniques," J Math Imaging Vision, vol. 42, no. 2–3, pp. 118–133, 2012.
- A. Amanatiadis, V. G. Kaburlasos, A. Gasteratos, and S. E. Papadakis, "Evaluation of shape descriptors for shape-based image retrieval," IET Image Proc., vol. 5, no. 5, pp. 493–499, 2011.
- S. E. Papadakis and V. G. Kaburlasos, "Piecewise-linear approximation of non-linear models based on probabilistically/possibilistically interpreted intervals' numbers (INs)," *Information Sciences*, vol. 180, no. 24, pp. 5060–5076, 2010.
- C. G. Baslis, S. E. Papadakis, and A. G. Bakirtzis, "Simulation of optimal medium-term hydrothermal system operation by grid computing," IEEE Trans Power Syst, vol. 24, no. 3, pp. 1208–1217, 2009.
- V. G. Kaburlasos and S. E. Papadakis, "A granular extension of the fuzzy-ARTMAP (FAM) neural classifier based on fuzzy lattice reasoning (FLR)," *Neurocomputing*, vol. 72, no. 10–12, pp. 2067–2078, 2009.
- V. G. Kaburlasos and S. E. Papadakis, "Granular self-organizing map (grSOM) for structure identification," Neural Networks, vol. 19, no. 5, pp. 623–643, Jun. 2006.
- S. E. Papadakis and J. B. Theocharis, "A genetic method for designing TSK models based on objective weighting: Application to classification problems," Soft Comput., vol. 10, no. 9, pp. 805–824, 2006.
- S. E. Papadakis, P. Tzionas, V. G. Kaburlasos, and J. B. Theocharis, "A genetic based approach to the type I structure identification problem," *Informatica*, vol. 16, no. 3, pp. 365–382, 2005.

- S. E. Papadakis and J. Theocharis, “A GA-based fuzzy modeling approach for generating TSK models,” *Fuzzy Sets and Systems*, vol. 131, no. 2, pp. 121–152, 2002.
- S. E. Papadakis, J. Theocharis, and A. Bakirtzis, “A load curve based fuzzy modeling technique for short-term load forecasting,” *Fuzzy Sets and Systems*, vol. 135, no. 2, pp. 279–303, 2003.
- S. A. Kazarlis, S. E. Papadakis, J. B. Theocharis, and V. Petridis, “Microgenetic algorithms as generalized hill-climbing operators for GA optimization,” *IEEE Trans Evol Comput*, vol. 5, no. 3, pp. 204–217, 2001.
- S. Papadakis, J. Theocharis, S. Kiartzis, and A. Bakirtzis, “A novel approach to short-term load forecasting using fuzzy neural networks,” *IEEE Transactions on power systems*, vol. 13, no. 2, pp. 480–492, 1998.

ΑΝΑΚΟΙΝΩΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΣΥΝΕΔΡΙΑ ΜΕ ΚΡΙΤΕΣ

- J. Dimotikalis and S. E. Papadakis, “Analytics of online ratings in Google Play Android applications using binomial distribution family,” presented at the International symposium and 26th National Conference on Operational Research, Chania, Crete, Greece, 2015, pp. 289–300.
- D. Vassis et al., “Using neural networks and SVMs for automatic medical diagnosis: a comprehensive review,” in *Proceedings of the 4th International Conference on Integrated Information*, Athens, 2015, vol. 1644, pp. 32–36.
- J. Dimotikalis and S. E. Papadakis, “Fitting Binomial Distribution to Online Ratings of Greek Tourism Attractions,” presented at the 4th International Conference on Quantitative and Qualitative modelling in The Economic and Administrative Sciences., Athens, Greece, 2015, pp. 289–300.
- S. E. Papadakis and C. Lemonakis, “Evaluation of Empirical Attributes for Credit Risk Forecasting from Numerical data,” presented at the 4th International Conference on Quantitative and Qualitative modelling in The Economic and Administrative Sciences., Athens, Greece, 2015, pp. 289–300.
- S. E. Papadakis and C. Floros, “Forecasting the returns of CAC40 stock index prices, using intraday data: Empirical evidence from Local Modelling,” presented at the 4th International Conference on Quantitative and Qualitative modelling in The Economic and Administrative Sciences., Athens, Greece, 2015, pp. 283–288.
- C. X. Mavromoustakis, G. Mastorakis, S. Papadakis, A. Andreou, A. Bourdena, and D. Stratakis, “Energy consumption optimization through pre-scheduled opportunistic offloading in wireless devices,” in *The Sixth International Conference on Emerging Network Intelligence, EMERGING*, 2014, pp. 24–28.
- S. E. Papadakis, V. A. Stykas, G. Mastorakis, and C. X. Mavromoustakis, “A hyper-box approach using relational databases for large scale machine learning,” in *Telecommunications and Multimedia (TEMU), 2014 International Conference on*, 2014, pp. 69–73.
- S. Papadakis, V. Kaburlasos, and G. Papakostas, “Fuzzy lattice reasoning (FLR) classifier for human facial expression recognition,” in *Uncertainty Modeling in Knowledge Engineering and Decision Making*, World Scientific, 2012, pp. 633–638.
- S. E. Papadakis and A. G. Bakirtzis, “A GPU accelerated PSO with application to economic dispatch problem,” in *2011 16th International Conference on Intelligent System Applications to Power Systems, ISAP 2011*, 2011, pp. 1–6.

- V. G. Kaburlasos, A. Amanatiadis, and S. E. Papadakis, “2-D shape representation and recognition by lattice computing techniques,” in *Hybrid Artificial Intelligence Systems*, Springer, 2010, pp. 391–398.
- A. Amanatiadis, V. G. Kaburlasos, A. Gasteratos, and S. E. Papadakis, “A comparative study of invariant descriptors for shape retrieval,” in 2009 IEEE International Workshop on Imaging Systems and Techniques, IST 2009 - Proceedings, 2009, pp. 391–394.
- S. Papadakis and V. Kaburlasos, “Computation of a Sufficient Condition for System Input Redundancy,” LBM 2008, pp. 23–31, 2008.
- V. Kaburlasos and S. E. Papadakis, “Piecewise Linear Approximation of non Linear Models Based on Interval Numbers (IN’s),” LBM 2008, pp. 13–22, 2008.
- A. Amanatiadis and S. E. Papadakis, “Real-Time Servo Control Architecture for Parallel Stabilization and Manipulation of Tele-Operated Robots.,” presented at the 2008 International Conference on Automation Robotics and Control Systems, Crete, 2008, pp. 225–229.
- T. Alevizos, V. G. Kaburlasos, S. Papadakis, and C. Skourlas, “Fuzzy Interval Numbers (FINs) techniques and applications,” presented at the 11 th Panhellenic Conference in Informatics, Patras, Greece, 2007, pp. 254–264.
- V. Kaburlasos and S. Papadakis, “Fuzzy lattice reasoning (FLR) implies a granular enhancement of the fuzzy-ARTMAP classifier,” in Joint Conference on Information Sciences 2007, Salt Lake City, Utah, 2007, pp. 1610–1616.
- S. Papadakis and V. G. Kaburlasos, “Induction of classification rules from histograms,” in Joint Conference on Information Sciences 2007, Salt Lake City, Utah, 2007, pp. 1646–1652.
- T. Alevizos, V. G. Kaburlasos, S. Papadakis, C. Skourlas, and P. Belsis, “Fuzzy Interval Number (FIN) Techniques For Multilanguage And Cross Language Information Retrieval,” presented at the 9th International Conference on Enterprise Information Systems (ICEIS 2007), Funchal, Madeira - Portugal, 2007, vol. 2, pp. 348–355.
- C. Skourlas, T. Alevizos, P. Belsis, K. Fragos, V. Kaburlasos, and S. E. Papadakis, “Fuzzy Interval Numbers (FINs) techniques and its applications in Natural Language Queries Processing and documents classification,” presented at the 3rd Balkan Conference in Informatics (BCI 2007), Sofia, Bulgaria, sept. 2007, pp. 17–28.
- S. E. Papadakis and V. G. Kaburlasos, “mass-grSOM: A flexible rule extraction for classification,” in Proc. 5th Workshop Self-Organizing Maps (WSOM 2005), Paris, France, 2005, pp. 553–560.
- P. Tzionas, S. E. Papadakis, and D. Manolakis, “Plant leaves classification based on morphological features and a fuzzy surface selection technique,” in Fifth International Conference on Technology and Automation, Thessaloniki, Greece, 2005, pp. 365–370.
- S. E. Papadakis, C. C. Marinagi, V. G. Kaburlasos, and M. K. Theodorides, “Estimation of industrial production using the granular self-organizing map (grsom),” in Proceedings of the 12th Mediterranean Conference on Control and Automation (MED’04), Kusadasi, Turkey, session TuM2-D, 2004, pp. 6–9.
- V. G. Kaburlasos and S. E. Papadakis, “grSOM: a granular extension of the self-organizing map for structure identification applications,” in Fuzzy Systems, 2004. Proceedings. 2004 IEEE International Conference on, 2004, vol. 2, pp. 789–794.

- V. G. Kaburlasos, S. E. Papadakis, and S. Kazarlis, “A genetically optimized ensemble of σ -FLNMAP neural classifiers based on non-parametric probability distribution functions,” in Neural Networks, 2003. Proceedings of the International Joint Conference on, 2003, vol. 1, pp. 426–431.
- V. Al Cripps, N. Nguyen, and S. E. Papadakis, “Improved experimental results using fuzzy lattice neurocomputing (FLN) classifiers,” presented at the International Conference on Machine Learning; Models, Technology and Applications (MLMTA’ 03), Las Vegas Nevada, USA, 2003, pp. 161–166.
- S. Papadakis, J. Theocharis, and A. Bakirtzis, “Fuzzy short-term load forecasting models based on load curve-shaped prototype fuzzy clustering,” in Control Conference (ECC), 1999 European, Karlsruhe, Germany, 1999, pp. 2023–2028.
- S. Papadakis and J. Theocharis, “An efficient fuzzy neural modeling approach using the fuzzy curve concept,” in Electronics, Circuits, and Systems, 1996. ICECS’96., Proceedings of the Third IEEE International Conference on, 1996, vol. 1, pp. 279–282.
- S. Papadakis and J. Theocharis, “A novel genetic training algorithm with application to fuzzy neural networks,” in Modeling Identification and Control, Innsbruck, Austria, 1996, pp. 125–128.

ACADEMIC RECOGNITION

MEMBERSHIP

- Member of IEEE,
- Technical Chamber of Greece,
- European Network for the Advancement of Artificial Cognitive Systems, Interaction and Robotics (EUCOG II,III).

REVIEWER

- Reviewer in many scientific/Academic Journals, and International Conferences.

CITATIONS

- Google Scholar: <https://scholar.google.com/citations?user=tTj1pbcAAAAJ&hl=en>
- RG Score 20.13