

**ΣΥΝΟΠΤΙΚΟ ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ**

Ο Γιώργος Δημ. Δούνιας είναι Διπλωματούχος Μηχανικός Παραγωγής και Διοίκησης του Πολυτεχνείου Κρήτης (1989) και διδάκτορας του Τομέα Οργάνωσης και Διοίκησης του ίδιου τμήματος (1995) σε θεματολογία σχετική με τη Λήψη Αποφάσεων, την Τεχνητή Νοημοσύνη και τα Πολύπλοκα Δυναμικά Συστήματα. Μεταξύ 1990-98 εργάστηκε ως ελεύθερος επαγγελματίας μηχανικός, καθώς και ως συμβασιούχος διδάσκων τόσο με το Πολυτεχνείο Κρήτης όσο και κατά διαστήματα ως εξωτερικός ερευνητής στο Ίδρυμα Τεχνολογίας & Έρευνας (ΙΤΕ), Ινστιτούτο Πληροφορικής (Ηράκλειο Κρήτης). Από το 1998-99 εντάχθηκε ως μέλος ΔΕΠ στο Πανεπιστήμιο Αιγαίου, Σχολή Επιστημών Διοίκησης (1998-2002: Λέκτορας στο Τμήμα Διοίκησης Επιχειρήσεων, 2003-2010: Αναπληρωτής Καθηγητής και 2010-σήμερα Καθηγητής, στο Τμήμα Μηχανικών Οικονομίας και Διοίκησης). Κατά την τελευταία δωδεκαετία (2003-σήμερα) είναι Διευθυντής του θεσμοθετημένου (από τον Δεκέμβριο 2005) Εργαστηρίου Διοίκησης Επιχειρήσεων και Λήψης Αποφάσεων (ΔΕΛΑΠ) στο Τμήμα Μηχανικών Οικονομίας και Διοίκησης (ΤΜΟΔ) της Χίου. Μεταξύ 2005-08, καθώς και το 2010-11 όπως και από το 2012 μέχρι σήμερα, έχει διατελέσει Διευθυντής του Μεταπτυχιακού Προγράμματος Σπουδών «Οικονομική και Διοίκηση για Μηχανικούς» (ΟΔΙΜ) του ΤΜΟΔ (συνολικά 8 από τα 11 χρόνια λειτουργίας του προγράμματος). Κατά τη διετία 2006-2008 διετέλεσε επίσης Αναπληρωτής Πρόεδρος του Τμήματος, καθώς και εκλεγμένος Πρόεδρος του Τμήματος Μηχανικών Οικονομίας και Διοίκησης για την αμέσως επόμενη διετία 2008-2010. Ο Γ. Δούνιας έχει συμμετοχή από διάφορες θέσεις σε περισσότερα από 30 διεθνή και εθνικά ερευνητικά προγράμματα. Είναι συγγραφέας περισσότερων των 50 άρθρων σε διεθνή περιοδικά με κριτές (περιλαμβάνονται σε όλες τις γνωστές διεθνείς βιβλιογραφικές βάσεις) και περίπου 200 δημοσιευμένων ερευνητικών εργασιών συνολικά καθώς και 10 βιβλίων ή ειδικών εκδόσεων στην ελληνική και την αγγλική γλώσσα. Έχει διατελέσει μέχρι σήμερα επιστημονικός υπεύθυνος (επιβλέπων) σε περισσότερες από 150 διπλωματικές εργασίες που έχουν εκπονηθεί σε 8 διαφορετικά προπτυχιακά και μεταπτυχιακά τμήματα μεταξύ 1995-2015, ενώ έχει επίσης διατελέσει επιβλέπων 3 διδακτορικών διατριβών που έχουν ολοκληρωθεί και 4 ακόμη που είναι σε εξέλιξη. Έχει επιμεληθεί τη διδασκαλία 22 διαφορετικών μαθημάτων σε 8 διαφορετικά προπτυχιακά και μεταπτυχιακά τμήματα μεταξύ 1995-2015. Ο Γ. Δούνιας είναι τέλος αξιολογητής / κριτής επιστημονικών εργασιών για 38 διαφορετικά διεθνή περιοδικά με κριτές (σε 4 από αυτά είναι μόνιμο μέλος του συμβουλίου έκδοσης) και για περισσότερα από 80 διεθνή συνέδρια κατά την τελευταία δεκαπενταετία ενώ έχει υπάρξει μέλος επιτροπών προγράμματος και οργανωτικών επιτροπών για περισσότερα από 90 διεθνή συνέδρια στο διάστημα 1999-2015.

**Επιλεγμένες Δημοσιεύσεις 1993-2015**

Marmaras N., Vassilakis P. and Dounias G. (1995): Factors Affecting Accuracy of Producing Time Intervals, **Perceptual and Motor Skills** (est.1949), Vol. 80, 1043-1056 (Ammons Scientific)

Dounias G. D. and Tsourveloudis N.C. (1995): Power Plant Fault Diagnosis Using a Fuzzy Knowledge-Based System, **Engineering Intelligent Systems (for Electrical Engineering and Communications)**, Vol. 3, No. 2, pp. 109-120

Tselentis G. and Dounias G. (1998): "Evaluation of a Neuro-Fuzzy Scheme Forecasting Exchange Rates" in: "Managing in Uncertainty: Theory and Practice" in : "Managing in Uncertainty: Theory and Practice", Eds.: Zopounidis K. and Pardalos P., Kluwer Academic Publishers.

Dounias G., Havellas S. and Tselentis G. (1998): "A Fuzzy Rule-Based Approach for Decision Making in Commercial Food Chains", in Proc. 6th European Congress on Intelligent Techniques & Soft Computing, Aachen, **EUFIT-98**, Germany, September 7-10, 1998, Vol.2, pp. 1062-1066

Alexopoulos E., Dounias G.D., Vemmos K. (1999): "Medical Diagnosis of Stroke Using Inductive Machine Learning", in Proceedings of **ACAI' 99: Advanced Course on Artificial Intelligence**, Chania, Greece, July 1999, (W13) Workshop on Machine Learning in Medical Applications, Organizers: G. Magoulas, A. Prentza, pp.20-23.

Nomikos I., Dounias G., Vemmos K. (1999): "Comparison of Alternative Criteria for the Evaluation of Machine Learning in the Medical Diagnosis of Stroke", in 3rd International Data Analysis Symposium, **IDAS-99**, Aachen, Germany, 16-17 Sept. 1999, pp. 63-66, (organizer: MIT Management Intelligenter Technologien, Germany).

Nikos Thomaidis, Giorgios Dounias, Giorgios Tselentis (1999): "Stock Exchange Market Analysis Using WINROSA and DataEngine", accepted for presentation, in 3rd International Data Analysis Symposium, **IDAS-99**, Aachen, Germany, 16-17 September 1999, pp. 67-74, (organizer: MIT Management Intelligenter Technologien, Germany).

N. Thomaidis, G.D.Gounias, C.D.Zopounidis (1999): "A fuzzy rule based learning method for corporate bankruptcy prediction", in Proceedings of **ACAI'99: Advanced Course on Artificial Intelligence**, Chania, Greece, July 1999, (W08) Workshop on Data mining in economics, marketing and finance, Organizer: H. Jessen, pp. 47-48.

Mavropoulos H., Dounias G., Potamias G. (1999): "Advanced statistical analysis of Working Accidents using data mining tools", in Proceedings of **ACAI' 99: Advanced Course on Artificial Intelligence**, Chania, Greece, July 1999, Proceedings of Student Sessions, pp. 9-10.

M. Spanos, G. Dounias, N. Matsatsinis, C. Zopounidis (1999): "A Fuzzy Knowledge Based Decision Aiding Method for the Assessment of Financial Risks: The case of Corporate Bankruptcy Prediction", in European Symposium on Intelligent Techniques, **ESIT'99**, Chania, Greece, June 1999

M. Michalopoulos, G. Dounias, N. Thomaidis, G. Tselentis (1999): "Decision Making Using Fuzzy C-Means and Inductive Machine Learning for Managing Bank Branches Performance", in European Symposium on Intelligent Techniques, **ESIT'99**, Kolympari, Crete, Greece, June 1999

Zimmermann H-J., Tselentis G., van Someren M., Dounias G. (Eds.): "**Advances in Computational Intelligence and Learning: Methods and Applications**", Kluwer Academic Publishers (2001), ISBN: 0-7923-7645-5

Dounias G., Tselentis G. and Moustakis V.S. (2001): "Feature Extraction for Quality Control in a Production Line Using Inductive Machine Learning", in **Journal of Integrated Computer Aided Engineering**, (IOS Press), Vol. 8, No. 4, pp. 325-336

Tsakonas, G. Dounias, A. Merikas (2001), "**How wavelets and genetic algorithms can assist Intelligent Hybrid Methodologies in handling data driven Stock Exchange daily trading**" in C. Zopounidis, P.M. Pardalos, G. Baourakis (Eds.): "Fuzzy Set Systems in Management and Economy", \*World Scientific Publishers, pp. 195-212

Michalopoulos M., Dounias G., Hatas D., Zopounidis C. (2001): "**An Automated Knowledge Generation Approach for Managing Credit Scoring Problems**", in C. Zopounidis, P.M. Pardalos, G. Baourakis (Eds.): "Fuzzy Set Systems in Management and Economy", World Scientific Publishers, pp. 239-254

Abbod M. F., Linkens D.A., Mahfouf M. and Dounias G. (2002), "Survey on the use of Smart and Adaptive Engineering Systems in Medicine", **Artificial Intelligence in Medicine** 26(3), pp. 179-209

Tsakonas A. and Dounias G., (2002), Hybrid Computational Intelligence Schemes in Complex Domains: An Extended Review, **Lecture Notes in Artificial Intelligence**, LNAI Vol.2308, pp. 494-511, Springer

Panagi G, Mouloupoulos LA, Dounias G, Maris T, Panourgias E, Tsakonas A, Dimopoulos MA, (2003), "Computational Intelligence Based Analysis of Dynamic-MRI, for Detection of Spinal Bone-Marrow Malignancies", **Int. Journal Neuroradiology Review** (Rivista di Neuroradiologia) Vol. 16, pp. 969-972, Centauro Srl Pub.

Dounias G. and Linkens D.A., (2004), "Guest Editorial: Adaptive Systems and hybrid Computational Intelligence in Medicine", in **Int. Journal of Artificial Intelligence in Medicine** (Elsevier) 32(3),151-155

Mahfouf M. and Dounias G., (2004), «Guest Editorial: Intelligent E-Health Applications in Medicine», **Transactions of the Institute on Measurement & Control**, UK (Arnold Journals / SAGE Publications), Vol. 26, No.3, pp.167-168

Tsakonas A., Dounias G., Aggelis V., Karkazis I., (2004), "An Evolutionary System for Neural Logic Networks using Genetic Programming and Indirect Encoding", **Journal of Applied Logic** (Elsevier), Special Issue on Neural-Symbolic Systems, Vol. 2 No.3, pp. 349-379

Tsakonas A., Dounias G., Jantzen J., Axer H., Bjerregaard B., von Keyserlingk D.G., (2004), "Evolving Rule-Based Systems in Two Medical Domains Using Genetic Programming", in **Int. Journal of Artificial Intelligence in Medicine**, Elsevier, Vol. 32, No.3, pp.195-216

M. Michalopoulos, N. S. Thomaidis, G. D. Dounias and C. Zopounidis (2004), "Using a Fuzzy Sets Approach to Select a Portfolio of Greek Government Bonds", **Fuzzy Economic Review**, IX (2), 27-48

Ampazis N., Dounias G. and Jantzen J., (2004), "Efficient Second Order Neural Network Training Algorithms for the Construction of a Pap-Smear Classifier", **Lecture Notes in Artificial Intelligence (LNAI) Vol. 3025**, pp 230-245 (Springer-Verlag)

Kaymak U., Dounias G., Thomaidis N.S. (2005), "Financial and managerial benchmark problems to be handled by nature inspired intelligent methodologies", in Proceedings of the 1st European Symposium on Nature-Inspired Smart Information Systems (**NISIS-2005**), Albufeira, Portugal.

Thomaidis N.S., Dounias G., N Kondakis (2005), "Financial statistical modeling with a new nature-inspired technique", in Proceedings of the 1st European Symposium on Nature-Inspired Smart Information Systems (**NISIS-2005**), Albufeira, Portugal.

A.Tsakonas, G. Dounias, "An Architecture-Altering and Training Methodology for Neural Logic Networks: Application in the Banking Sector", in Proc. *1st Int'l Conf. on Artificial Neural Networks and Intelligent Information Processing*, **ANNIIP-2005**, Barcelona, Spain, 2005

Thomaidis N.S., N Kondakis, Dounias G. (2005), "The cross-dynamics of international financial markets: a suitable domain for applying nature inspired intelligent techniques", in Proceedings of the 1st European Symposium on Nature- Inspired Smart Information Systems (**NISIS - 2005**), Albufeira, Portugal.

BOOK IN GREEK: Ζαλιμίδης Π. και Δούνιας Γ., (2005): «**Το Έργο της Διοίκησης: Βασικές Διοικητικές Λειτουργίες και Λήψη Διοικητικών Αποφάσεων για Μηχανικούς**», Εκδόσεις ΠΥΞΙΔΑ, ISBN: 960-86696-9-3.

Tsakonas A., Dounias G., Panagi G., Panourgias E. (2006): Breast Tumor Malignancy Modelling Using Evolutionary Neural Logic Networks, Spring 2006, **Oncology Reports Journal**, 15(4), pp. 1013-1018

Panourgias E., Tsakonas A., Dounias G., Panagi G. (2006): Computational Intelligence for the detection and Classification of Malignant Lesions in Screening Mammography, Spring 2006, **Oncology Reports Journal** 15(4), pp. 1037-1042

Dounias G., Bjerregaard B., Jantzen J., Tsakonas A., Ampazis N., Panagi G., Panourgias E. (2006): Automated Identification of Cancerous Smears Using Various Competitive Intelligent Techniques, Spring 2006, **Oncology Reports Journal** 15(4), pp. 1001-1006

Tsakonas A, Tsiligianni T., Dounias G. (2006): Evolutionary Neural Logic Networks in Splice-Junction Gene Sequences Classification., in **Int. Journal of Artificial Intelligence Tools**, 15 (2) pp.287-308, World Scientific

Magoulas G., Dounias G. (2006): Introduction to the Special Issue on Intelligent Technologies in Bioinformatics and Medicine. **Computers in Biology and Medicine**, 36(10), pp.1045-1048, Elsevier

Magoulas G., Dounias G. Linkens D. (2006): Intelligent Tools for Problem Solving in Bioinformatics and Medicine: Guest Editors' Introduction. **International Journal of Artificial Intelligence Tools**, World Scientific, 15(3), pp.331-333

Tsakonas A., G. Dounias, M. Doumpos, C. Zopounidis (2006): Bankruptcy prediction with neural logic networks by means of grammar-guided genetic programming, **Expert Systems with Applications** Vol. 30(3), pp.449-461

Thomaidis N.S., Nikitakos N., Dounias G. (2006), "The Evaluation of Information Technology Projects: a Fuzzy Multicriteria Decision-Making Approach", **International Journal of Information Technology & Decision Making**, 5(1), pp. 89-122, World Scientific

Thomaidis N.S., Kondakis N. and Dounias G. (2006), "An Intelligent Statistical Arbitrage Trading System", *Lecture Notes in Computer Science*, **LNCS Vol. 3955**, Springer-Verlag, pp.596-599

Tzastoudis V., Thomaidis N.S. and Dounias G. (2006), "Improving Neural Network Based Option Price Forecasting", **LNCS Vol. 3955**, Springer-Verlag

BOOK IN GREEK: Ζαλιμίδης Π. και Δούνιας Γ., 2006, «**Διοίκηση Συστημάτων Ποιότητας: Από το Στατιστικό Έλεγχο στη Μηχανική της Ποιότητας**», Εκδόσεις ΠΥΞΙΔΑ, ISBN:960-88640-4-X.

BOOK IN GREEK: Jantzen J. and Dounias G., (Eds.), (2006), "**The Pap Smear Benchmark: Intelligent and Nature-Inspired Approaches in Pap Smear Diagnosis**", *A Joint Publication of the University of the Aegean with NISIS Network*, ISBN 960-7475-39-9

Tsakonas A. and Dounias G. (2007), Evolving Neural-Symbolic Systems Guided by Adaptive Training Schemes: Applications in Finance, in **Applied Artificial Intelligence Journal** (Taylor & Francis), *Volume 21 (7), August 2007*, pp. 681 - 706

Thomaidis N.S. , Tzastoudis V. and Dounias G. (2007), " A comparison of neural network model selection strategies for the pricing of S&P 500 stock index options, **International Journal of Artificial Intelligence Tools** (World Scientific), 16(6), pp. 1093-1113.

Y. Marinakis, M. Marinaki and G. Dounias, (2007) "Honey Bees Optimization Algorithm for the Vehicle Routing Problem presented in **NICSO-2007**, Italy, also appeared (2008) in **Studies in Computational Intelligence**, Springer Series on Nature Inspired Cooperative Strategies for Optimization, pp. 139-148

Vassiliadis V., Dounias G. (2007), *Applications of Nature-Inspired Intelligence in Finance*, in Proc. 4<sup>th</sup> IFIP Conf. Artificial Intelligence Applications and Innovations AIAI-07, Athens, Greece, September 20-21, IFIP Int Federation for Information Processing 247, pp. 187-194.

Vassiliadis V., Thomaidis N., Marinakis Y., Michalopoulos M., Dounias G. (2007), "Investigating Interrelations of Major International Stock Markets with the Use of Econometric and Intelligent Approaches", **SIGEF 2007**, XIV Congress of International Association for Fuzzy-Set Management and Economy, 1-3 November 2007, Poiana, Brasov, Romania.

Dounias G. (2007), **Fuzzy Systems in Biomedicine** (Invited Paper), Maglogiannis, I. Wallace M., Karpouzis K., and Soldatos J. (Eds.), "Frontiers in Artificial Intelligence and Applications: Emerging AI Applications in Computer Engineering 2007", pp. 245-270, IOS Press

George D. Magoulas, Georgios Dounias (2007): Computational intelligence in medicine and biology. **Applied Intelligence** 27 (3): 189-192

Tsakonas A., Dounias G., (2008), Application of genetic programming in software engineering empirical data modelling, in Proc. **ICSOFT-2008**, 3rd International Conference on Software and Data Technologies, 5-8 July, Porto, Portugal, pp.295-300, (INSTICC)

Tsakonas A. and Dounias G., (2008), Evaluation of Human Estimators for Software Projects by Means of Genetic Programming, Proc. 4<sup>th</sup> **SCPM & 1<sup>st</sup> IPMA MedNet** Conference, Project Management Advances, Training and Certification in the Mediterranean, Chios Island, Greece

Marinakis Y., Dounias G. (2008), Nature Inspired Intelligence in Medicine: Ant Colony Optimization in Pap-Smear Diagnosis, **Int. Journal of Artificial Intelligence Tools / World Scientific**, Vol. 17(2),279-301

Marinakis Y., Marinaki M. and Dounias G., (2008), "Particle Swarm Optimization for Pap-Smear Diagnosis", **Expert Systems with Applications** (Pergamon Press / Elsevier) Vol. 35, Issue 4,1645-1656

N. S. Thomaidis, T. Angelidis, V. Vassiliadis. G. Dounias (2008), Active portfolio management with cardinality constraints: An application of particle swarm optimization, **Journal of New Mathematics and Natural Computation** 5(3), pp.535-555, (World Scientific Publishers), Special Issue: New Computational Methods for Financial Engineering

V. N. Karavas, N. S. Thomaidis and G. D. Dounias (2008), "**Emerging Markets Exposure: Equities or Hedge Funds?**", in G.N. Gregoriou (Ed), *Emerging Markets Performance Analysis and Innovation*, CRC Press / Taylor & Francis Group (A Chapman & Hall Book), pp.57-78

N. S. Thomaidis and G. Dounias (2008), "A hybrid intelligent system for financial time-series forecasting", **Engineering Intelligent Systems** (for Electrical Engineering & Communications) 16(4), CRL Publishing /UK

Tsakonas, G. Dounias (2008), "Predicting Defects in Software Using Grammar-Guided Genetic Programming", in J.Darzentas et al. (Eds.): **LNAI 5138, Springer Verlag**, pp. 413-418

Vassiliadis V., Dounias G., (2008), Nature Inspired Intelligence for the Constrained Portfolio Optimization Problem, Series: "*Artificial Intelligence: Theories, Models and Applications*", Lecture Notes in Computer Science, **LNCS Springer-Verlag, vol. 5138**, pp. 431-436, 2008

S. Lalas, N. Ampazis, A. Tsakonas, G. Dounias and K. Vemmos (2008), Modeling Stroke Diagnosis with the Use of Intelligent Techniques, Series: "*Artificial Intelligence: Theories, Models and Applications*", **LNCS, Vol. 5138, Springer Verlag**, pp. 413-418, 2008

BOOK IN GREEK: Δούνιας Γ. και Μουστακής Β. (2008 - 2<sup>η</sup> Έκδοση Βελτιωμένη), «**Μεθοδολογίες Λήψης Οικονομοτεχνικών Αποφάσεων**», Εκδόσεις ΠΥΞΙΔΑ, ISBN: 978-960-86696-2-8.

BOOK IN GREEK: Τσάκωνας Α., Δούνιας Γ., *Εξελικτικός Υπολογισμός και Εξόρυξη Δεδομένων*, Εκδόσεις Κλειδάριθμος, ISBN 978-960-461-189-8, Αθήνα, 2008.

Tsakonas A, Dounias G., (2009), Deriving Models for Software Project Effort Estimation by Means of Genetic Programming, **KDIR 2009**: Proc. of the Int. Conf. on Knowledge Discovery & Inf. Retrieval, Funchal - Madeira, Portugal, Oct. 6-8, 2009, pp. 34-42

Vassiliadis Vassilios, Dounias George (2009), "Nature-Inspired Intelligence: A review of selected methods and applications", **International Journal on Artificial Intelligence Tools**, 18(4), pp. 487-516, World Scientific

N. S. Thomaidis, and G. Dounias (2009), "A comparison of statistical tests for the adequacy of a neural network regression model", **Quantitative Finance** 12(3), 437-449, Taylor & Francis

Y. Marinakis, G. Dounias, J. Jantzen, (2009), Pap smear diagnosis using a hybrid intelligent scheme focusing on genetic algorithm based feature selection and nearest neighbor classification, **Computers in Biology and Medicine** (Elsevier), Vol. 39(1), pp. 69-78

Y. Marinakis, M. Marinaki, G. Dounias (2009), Intelligent and Nature Inspired Optimization Methods in Medicine: The Pap-Smear Cell Classification Problem", in **Expert Systems: The Journal of Knowledge Engineering** 26(5), pp. 433-457 (Wiley-Blackwell)

Thomaidis N., Dounias G. (2009), A hybrid neural network-based trading system, **LNCS, Vol 5572, Springer**, pp. 694-701

Vassiliadis V. Thomaidis N., Dounias G. (2009), Active Portfolio Management under a Downside Risk Framework: Comparison of a Hybrid Nature - Inspired Scheme, **LNCS, Vol 5572, Springer**, pp. 702-712

Giorgos Giannakouris, Vassilios Vassiliadis, George Dounias, (2009) «Experimental Study on a Hybrid Nature-Inspired Algorithm for financial portfolio optimization», **LNAI 6040, Springer**

Yannis Marinakis, Magdalene Marinaki, Georgios Dounias: Honey Bees Mating Optimization algorithm for large scale vehicle routing problems. **Natural Computing** 9(1): 5-27 (2010)

Marinakis, Y., Marinaki, M., Dounias, G., (2010) Hybrid Particle Swarm Optimization Algorithm for the Vehicle Routing Problem, **Engineering Applications of Artificial Intelligence** (Elsevier) 23(4), 463-472

Yannis Marinakis, Magdalene Marinaki, Georgios Dounias, 2011, Honey bees mating optimization algorithm for the Euclidean traveling salesman problem, **Information Sciences** 181(20), 4684-4698

I. Minis, V. Zeimpekis, G.Dounias, N. Ampazis, 2011, **Supply Chain Optimization, Design and Management: Advances and Intelligent Methods**, IGI Global (formerly IDEA Publishing)

Thomaidis, N., Dounias, G., 2011. On detecting the optimal structure of a neural network under strong statistical features in errors, **Journal of Time Series Analysis**, Volume 32, (Issue 3), 204-222

V.Vassiliadis, G. Dounias, Dynamic Trading Systems based on Nature Inspired Intelligence and Statistical Techniques, **PPSN 2012**, 12th International Conference on Parallel Problem Solving From Nature - September 1-5, 2012 Taormina, Italy

G.Dounias, A. Tsakonas, D.Charalambakis, E.Vasilakis, Business Plan Evaluation Using Ensembles of Evolutionary Classifiers, **PPSN 2012**, 12th International Conference on Parallel Problem Solving From Nature - September 1-5, 2012 Taormina, Italy

Vassilios Vassiliadis, Georgios Dounias, Tzanetos Alexandros, 2012, Parameter Tuning of Hybrid Nature-Inspired Intelligent Metaheuristics for Solving Financial Portfolio Optimization Problems, 7th Hellenic Conf. on Artificial Intelligence, May 28-31, 2012, Lamia, Greece, **SETN 2012**: 198-205

Georgios Dounias and Vassilios Vassiliadis, Algorithms and Methods Inspired from Nature for Solving Supply Chain and Logistics Optimization Problems: A Survey, **International Journal on Natural Computer Research** 4(3), pp.26-51 (IGI Global)

Christos Kyriklidis Konstantinos Kirytopoulos Vassilios Vassiliadis, Georgios Dounias (2014), Hybrid nature-inspired intelligence for the resource leveling problem, **Operational Research: An International Journal** (Springer), Vol.14, pp.387-407

G. Dounias, A. Tsakonas, D. Charalampakis and E. Vasilakis, (2013) Effective Business Plan Evaluation Using An Evolutionary Ensemble, **ICSOFT-DATA 2013** (2nd International Conference on Data Management Technologies and Applications - DATA 2013), INSTICC Conference Series, Reykyavik, Iceland, 29-31 July 2013

Thomaidis N.S., Salagaras C., Vassiliadis V., Koutras V., Platis A.N., Dounias G., (2013), Evolutionary Algorithms for Solving Resource Availability Optimization Problems related to Client Service of Different Priority Classes, **HELORS**, 2nd International Symposium and 24th National Conference on Operational Research, Athens, Greece

Vassiliadis V., Dounias G., (2013), **Nature-Inspired Intelligence for Pareto Optimality Analysis in Portfolio Optimization**, in "Multicriteria Decision Aid and Artificial Intelligence: Links, Theory and Applications", Michael Doumpos and Evangelos Grigoroudis (Eds), Wiley

M.P. Zorzou, A. Kosti, M. Stoupaki, A. Kallergi, S. Skoulikidi, E. Papadopoulou, A. Pitsikouli, M. Psallas, P. Pramangioulis, G. Dounias (2014), Fluoroquinolones and QT prolongation in the clinical setting: study of their impact in the heavily predisposed hospitalized population, **ECCMID-2014**, Barcelona, Spain, 10-13 May 2014

C. Kyriklidis and G. Dounias, 2014, Application of Evolutionary Algorithms in Project Management, in **SETN-2014**: 8th Hellenic Conference on Artificial Intelligence, Ioannina

Vassilios Vassiliadis and Georgios Dounias (2014), Nature-Inspired Intelligent Techniques for Automated Trading: A Distributional Analysis, in Aristidis Likas Konstantinos Blekas, Dimitris Kalles (Eds.) Artificial Intelligence: Methods and Applications, 8th Hellenic Conference on AI, **SETN 2014**, Ioannina, Greece, May 15-17, 2014 Proceedings LNAI (Springer)

Theopi Eleftheriadou, Nikos Ampazis, Vasilios P. Androvitsaneas, Ioannis F. Gonos, Georgios Dounias and Ioannis A. Stathopoulos (2014), Ground Resistance Estimation Using Feed-Forward Neural Networks, Linear Regression and Feature Selection Models, in Aristidis Likas Konstantinos Blekas, Dimitris Kalles (Eds.) Artificial Intelligence: Methods and Applications, 8th Hellenic Conference on AI, **SETN 2014**, Ioannina, Greece, May 15-17, 2014 Proceedings LNAI (Springer)

Vasilios P. Androvitsaneas, Ioannis F. Gonos, Ioannis A. Stathopoulos Antonios K. Alexandridis George Dounias (2014), Wavelet Neural Networks for Ground Resistance Estimation, International Conference on High Voltage Engineering and Application-**ICHVE 2014**, Poznan, Poland, 8-11 Sept. '14

V. Vassiliadis, C. Salazaras, V.P. Koutras, N. S. Thomaidis, A.N. Platis, G. Dounias, C. Kyriazis, (2014), Resource Availability Modeling and Optimization in a Car Park Management Problem, in 3<sup>rd</sup> International Symposium and **25<sup>th</sup> National Conf. on Operational Research in Transportation, Energy and the Environment**, University of Thessaly, Volos, Greece, June 26-28, 2014

Christos Kyriklidis and Georgios Dounias, (2014), Application of Evolutionary Algorithms in Project Management, in L. Iliadis et al. (Eds.): **AIAI 2014**, IFIP AICT 436, pp. 335-343, 2014, IFIP International Federation for Information Processing LNCS, Springer

Georgios Dounias (2014), Hybrid Computational Intelligence, In Mehdi Khosrow-Pour (Editor), Encyclopedia of Information, Science and Technology, A volume in the information Science Reference, An imprint of IGI Global, pp. 163-171

Vassilios Vassiliadis and Georgios Dounias, 2014, **Algorithmic Trading based on Biologically-Inspired Algorithms**, Shu-Heng Chen and Mak Kaboudan (Eds), Forthcoming, *OUP Handbook on Computational Economics and Finance*. Oxford University Press