

# Nikolaos Loukeris

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## *Current Positions*

Polytechnic of Crete, Greece, Professor of Applications/Laboratorial Cooperator, in Marketing, department of Engineers of Music Technology & Acoustics  
Founder and Managing Director of 'Loukeris N, Business Consultants - Accountants' & 'Lamda Engineers'

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## *Significant Accomplishments*

- Co-organiser, Chairman of the [Computational Intelligence for Financial Engineering and Economics, CIFE 2016, Symposium](#), part of the [IEEE Symposium Series on Computational Intelligence SSCI 2016](#), December 6-9, 2016 - Athens, Greece
- Organiser of the Special Session on Intelligent Systems in Portfolio Selection, [World Finance Conference 2016](#), New York, July 29-31, 2016
- Co-organiser of the Special Session on [MLAM: Machine Learning in Asset Management, IEEE Seventh International Conference on Information, Intelligence, Systems and Applications, IISA 2016](#), July 13-15, 2016 - Porto Carras Grand Resort, Chalkidiki, Greece
- Invited Speaker on the [IEEE 19th International Conference on Circuits, Systems, Communications and Computers, CSCC 2015](#), July 16-20, 2015 - Zante, Greece. Session: Computational Intelligence in Portfolio Selection: The IPSOS Model
- Co-organiser of the Special Session on [Hybrid Systems in Portfolio Selection, IEEE Sixth International Conference on Information, Intelligence, Systems and Applications, IISA 2015](#), July 6-8, 2015 - Corfu, Greece
- Co-organiser of the Special Session on [Hybrid Modelling in Portfolio, IEEE 19th International Conference on Circuits, Systems, Communications and Computers, CSCC 2015](#), July 16-20, 2015 - Zante, Greece
- Co-organiser of the Special Session on [Machine Learning in Asset Management, IEEE Fifth International Conference on Information, Intelligence, Systems and Applications IISA 2014](#), July 7-9, 2014 - Chania, Crete, Greece
- Co-organiser of the Special Session on [SVMs & Neural Networks in Portfolio Selection and Optimal Asset Management, IEEE International Symposium on Signal Processing and Information Technology ISSPIT 2013](#), December 12-15, 2013 - Athens, Greece

- Research Paper Award, International Conference of International Academy of Business & Public administration Disciplines – IABPAD, Honolulu, Hawaii, August 1-5, 2012: Loukeris N., Eleftheriadis I., (2012), Bankruptcy Prediction into Hybrids of Time Lag Recurrent Networks with Genetic optimisation, Multi Layer Perceptrons Neural Nets, and Bayesian Logistic Regression
- Member of the Program Committee on the [IEEE 2012 World Symposium on Computational Intelligence for Security and Defence Applications-CISDA](#), Ottawa, Canada, 11-13 July 2012,
- Invited into the Business Attaché team that accompanied the President of the Greek Republic Mr. Karolos Papoulias on his official visit to Israel from 11 to 14/7/2011, to conclude trade agreements and export of Greek products in Israel.
- Created and organised since 2009 the Business Intelligence Program Series, where the students of my classes have the opportunity to visit and contact high ranked Executives of the most significant private companies in Crete, and have an idea on the real business world;
- Created the company Loukeris Business Consultants & Accountants that focuses on economic and financial services, having banking collaboration services as well since 2008
- Created the company Lamda Engineering that emphasises in engineering projects, on mechanical and electrical infrastructures, real estate, property management, whilst in addition the new aspect of Photovoltaic and Renewable energy is introduced as a new activity, with exclusive collaborations of solar systems industries

#### *Teaching and previous work*

- 27) University of Macedonia, lecturing Financial Management, ac. year 2014-15
- 26) Polytechnic of Crete (TEI), Professor of Applications-Scientific Cooperator, dept. of Musical Technology, course of Marketing and Legislation of Musical Businesses, ac. years 11-12, 12-13, 14-15, 15-16
- 25) Had proposal to lecture at UMUC stateside on 2013-14 ac. year, still looking at it
- 24) University of Maryland UMUC, Division of Europe, Adjunct Faculty of on line lecturing, [IFSM 201](#) Concepts and Applications of Information Technology for the academic year 11-12
- 23) POLICE ACADEMY OF GREECE, Faculty for Constables, Rethymno, Crete, from 2001 to 2012, Visiting Professor of Informatics, and adjunct professor of Public Economics
- 22) Polytechnic of Crete (TEI), Professor of Applications-Lab Cooperator, dept. of Accounting, course of Computational Financial Accounting, ac. year 11-12
- 21) Polytechnic of Crete (TEI), Professor of Applications-Lab Cooperator, dept. of Business Administration, course of Business Organisation II, ac. years 09-10, 10-11, dissertations supervisor for the ac. year 11-12
- 20) Polytechnic of Crete (TEI), Professor of Applications-Lab Cooperator, dept. of Mechanical Engineering, for the course of Mechanics Laboratory I, ac. year 10-11

- 19) University of Maryland UMUC, Div. of Southern Europe, campus of Crete, Adjunct Instructor of Mathematics MATH 201, for the academic year 08-09
- 18) Vocational Training Organism of Greece, IEK Institute of Rethymno, 2001-now, Instructor of Finance, Informatics, Computer Networks, Operating Systems, Engineering, Refrigeration Manufacturing, Refrigeration & Air-conditioning Technologies, Manufacturing Technologies, Computational Accounting, Webpage Design, Car Systems I, Transactions Techniques
- 17) Vocational Training Organism of Greece, IEK Institute of Chania, 2001-now, Instructor of Financial Accounting, Taxation Accounting, Corporate Accounting, Computational Accounting, Management, Informatics, Hotel Management, Total Quality Management, Transactions Technique, Economic Theory
- 16) 1<sup>st</sup> Vocational High School of Rethymno, Professor by contract of Car Systems, Refrigeration Drawing, Technical Drawing, Manufacturing Processes, 2009-10 and 1<sup>st</sup> High School of Rethymno, Technology, 2008-09
- 15) Pafilia Developers S.A., 2008, I was offered the position of the Director of Sales but I rejected it
- 14) Prefecture of Rethymno, Crete, Public Instruction Council - NELE, 2007 - 2008 Instructor of Informatics
- 13) Vocational Development Centre, Rethymno, 2005 - 2010, Director of Training
- 12) Business Academy partner of 01 Pliroforiki Group of Companies, 2004-2005, Professor of Accounting and Informatics
- 11) Axon Institute, 2003, Instructor of Accounting
- 10) Grecotel A.E., 2002, I was offered the position of the Controller in its Kos island hotels, but I rejected it because of my MSc studies
- 9) Grupo Iberostar, Hotels Creta Panorama Superior Class & Creta Marine DeLuxe Class, 2001, Controller
- 8) Polykentron College/ University of Greenwich, 2000-2001, Visiting Professor
- 7) Kartakis Accountants, 2000-2001, Trained Accountant
- 6) Barnias Consultants - Accountants, 2000, Trained Accountant
- 5) Alexakis Accountants, 1999, Trained Accountant
- 4) University of Crete, 1997 - 1998, Supervisor of the Computer Centre of the University
- 3) Greek Army, I served in Special Forces and Artillery, 1996 - 1997
- 2) Mills of Crete Co., Trained Engineer, 1995
- 1) Working since the age of 6 at the mini-market of my father, in Athens till college

#### *Professional-Scientific Organisms*

- 1) Member of the Technical Chamber of Greece as:
  - I) Chartered Mechanics Engineer with a General License to elaborate Electrical and Mechanical infrastructures of any kind according to Law 6422/1934, and
  - II) Chartered Engineer for Industrial Projects and Studies, and for Environmental Projects and Studies
  - III) Candidate permanent Energy Inspector of Buildings
- 2) Member of the Economic Chamber of Greece, from which I own the following permissions and certifications:
  - I) Chartered Economist, and
  - II) Chartered Accountant in rank A (sign of all classes of Accounting Books)

#### *Publications*

- 11) Loukeris N. and I. Eleftheriadis, (2016), The Portfolio Heuristic Optimisation System (PHOS), *Computational Economics*, pp1-22, ed. Springer, 10.1007/s10614-015-9552-1, Impact Factor 0.521,
  - 10) Loukeris N. and I. Eleftheriadis, (2015b), Further Higher Moments in Portfolio Selection and A-priori Detection of Bankruptcy, under Multi Layer Perceptron Neural Networks, Hybrid Neuro-Genetic MLPs, and the Voted Perceptron, *International Journal of Finance and Economics*, Volume 20, Issue 4, October, editor Wiley co, DOI: 10.1002/ijfe.1521, I. F.: 0.837
  - 9) Loukeris N. and I. Eleftheriadis, (2015a), Hybrid neuro-genetic SVMs in Portfolio Selection, *Intelligent Information Management*, Volume 7(3), I. F.: 0.97
  - 8) Loukeris N., (2009), Customers Satisfaction in Shipping Companies under Artificial Intelligence and Multicriteria Decision Analysis, *International Journal of Computers*, Issue 4, Volume 3
  - 7) Loukeris N., (2009), An Empirical Evaluation of CAPM's validity in the British Stock Exchange, *International Journal of Applied Mathematics and Informatics*, Issue 1, Volume 3,
  - 6) Loukeris N., Donnelly D., Khuman A., Peng Y., (2009), A numerical evaluation of meta-heuristic techniques in Portfolio Optimisation, *Operational Research*, Volume 9 (1), ed. Springer Verlag, I. F.: 0.311
  - 5) Loukeris N., (2008), -Radial Basis Functions Networks to hybrid neuro-genetic RBF Networks in Financial Evaluation of Corporations, *International Journal of Computers*, 2(2)
  - 4) Matsatsinis N., Loukeris N., (2006), Hybrid Neuro-genetic Principle Component Analysis as networks of Corporate Financial Evaluation, *WSEAS Transactions on Business and Economics*, Issue 5, Volume 3, May
  - 3) Loukeris N., Matsatsinis N., (2006c), Recurrent Hybrid Neural-Genetic networks in Corporate Financial Evaluation, *WSEAS Transactions on Business and Economics*, Issue 5, Volume 3, May
  - 2) Loukeris N., Matsatsinis N., (2006b), Hybrid Neuro-Genetic Systems as Effective Analysis schemes of Financial statements, *WSEAS Transactions on Business and Economics*, Issue 5, Volume 3, May
  - 1) Loukeris N., Matsatsinis N., (2006a), Corporate Financial Evaluation and Bankruptcy Prediction implementing Artificial Intelligence methods, *WSEAS Transactions in Business and Economics*, Issue 4, Volume 3, April,
- Conferences*
- 33) Loukeris N., Eleftheriadis I., and E. Livanis, (2015), The Optimal Portfolio Selection Intelligence (OPSI) model, the *IEEE 2015 International Conference on Computational Science and Computational Intelligence, CSCI 15*, December 7-9, Las Vegas, Nevada, USA
  - 32) Loukeris N., Boutalis Y., Eleftheriadis I., Livanis E., and A. Arampatzis (2015), The Evolutional Portfolio Optimization System- (EPOS), *17th International conference in Artificial Intelligence, WORLDCOMP 15 – ICAI 15*, July 27-30, Las Vegas, Nevada, USA
  - 31) Loukeris N., and I. Eleftheriadis, (2015b), Computational Intelligence in Portfolio Selection: The IPSOS Model, *IEEE 19th International Conference on Circuits, Systems, Communications and Computers, CSCC*, July 16-20, Zante, Greece

- 30) Loukeris N., Boutalis Y., Livanis E., Arampatzis A. and L., Maltoudoglou, (2015b), Computational Intelligence in Optimal Portfolio Selection – The PI Model, *IEEE 6th International Conference on Information, Intelligence, Systems and Applications, IISA2015*, Ionian University, Corfu, Greece, July 6-8
- 29) Maltoudoglou L., Boutalis Y., and N., Loukeris, (2015), A Fuzzy System Model, for Financial Assesment of listed companies, *IEEE 6th International Conference on Information, Intelligence, Systems and Applications, IISA2015*, Ionian University, Corfu, Greece, July 6-8
- 28) Loukeris N., and Eleftheriadis I., (2015a), Computational Intelligence in Portfolio Selection – The IPSOS Model, *IEEE 19th International Conference on Circuits, Systems Computers Communications, CSCC*, Greece
- 27) Loukeris N., Boutalis Y., Livanis E., Arampatzis A. and L., Maltoudoglou,(2015a), Hybrid Jordan Elman nets in Portfolio Selection, *IEEE 6th International Conference on Information, Intelligence, Systems and Applications, IISA2015*, Ionian University, Corfu, Greece, July 6-8
- 26) Loukeris N., Khuman A., Eleftheriadis I., and E., Livanis (2015), Asset Allocation under the Value at Risk and Expected Shortfall, *22nd Annual Conference of the Multinational Finance Society*, June 28 - July 1, Porto Carras Grand Resort Hotel, Halkidiki, Greece,
- 25) Loukeris N., Eleftheriadis I., and S., Livanis (2014a), Portfolio Selection in Hybrid Radial Basis Functions, *IEEE 5th International Conference on Information, Intelligence, Systems and Applications IISA2014*, July 7-9, Chania, Crete, Greece
- 24) Loukeris N., Eleftheriadis I., and S., Livanis (2014b), Optimal Asset Allocation in Radial Basis Functions Networks, and hybrid neuro-genetic RBFNs to TLRNs, MLPs and Bayesian Logistic Regression, *World Finance Conference*, Venice, Italy July 1-3
- 23) Loukeris N., Wang X., Eleftheriadis I., and S., Livanis (2014), A New Approach in Portfolio Selection under the Three Factor Model, *World Finance Conference*, Venice, Italy, July 1-3
- 22) Loukeris N., Eleftheriadis I., (2013a), A novel Approach on Hybrid Support Vector Machines into Optimal Portfolio Selection, *Proceedings of the IEEE International Symposium on Signal Processing and Information Technology, ISSPIT 2013*, December 12-15, 2013 - Athens, Greece
- 21) Loukeris N., Eleftheriadis I., (2013b), Corporate Bankruptcy Prediction and Portfolio Selection into Recurrent Neural Networks, Hybrid Neuro-Genetic Recurrent Nets, Hybrid MLPs and Regressions, *Proceedings of the IV World Finance Conference*, Limassol, Cyprus, July 1-3
- 20) Loukeris N., Eleftheriadis I., (2012a), Bankruptcy Prediction into Hybrids of Time Lag Recurrent Networks with Genetic optimisation, Multi Layer Perceptrons Neural Nets, and Bayesian Logistic Regression, *Proceedings of the International Summer Conference of the International Academy of Business and Public Administration Disciplines (IABPAD)*, ISSN 547-4836 Library of Congress, Honolulu, Hawaii, USA (August 1- 5) - Research Paper Award
- 19) Loukeris N., Eleftheriadis I., (2012cb), A-priori Detection of Default, under Multi Layer Perceptron Neural Networks, Hybrid Neuro-Genetic MLPs, and the Voted Perceptron, *Proceedings of the International Summer Conference of the International Academy of Business and Public Administration Disciplines (IABPAD)*, ISSN 547-4836 Library of Congress, Honolulu, Hawaii, USA (August 1- 5)

- 18) Loukeris N., Eleftheriadis I., (2012), Portfolio Selection under Recurrent Neural Networks, Recurrent Hybrids, MLPs Neural Networks, and Hybrid Neuro-Genetic MLPs, Proceedings *10th Joint Conference on Knowledge - Based Software Engineering (JCKBSE 2012)* Conference, Rodos, Greece, 27-30/8/2012– accepted, withdrawn because of my conference in USA
- 17) Loukeris N., and I., Eleftheriadis, (2011), Support Vector Machines Neural Networks to a Hybrid neuro-genetic SVM form in Corporate Financial Analysis, Included in ISI/SCI Web of Science and Web of Knowledge, *15th International Conference on Computers CSCC*, Corfu, Greece 14-17 July 2011
- 16) Loukeris N., Wang X., Eleftheriadis I., (2010), Optimal Portfolio Selection under a new perspective of the Three Factor Model, *7<sup>th</sup> Special Conference of the Greek Federation of Operational Research, 5<sup>rd</sup> Meeting of Multicriteria Analysis*, Democretian University of Thrace, Alexandroupolis, Greece 30/9-1/10
- 15) Loukeris N., Khuman A., Eleftheriadis I., (2010), Default Prevention under the Value at Risk and Expected Shortfall, *7<sup>th</sup> Special Conference of the Greek Federation of Operational Research, 5<sup>rd</sup> Meeting of Multicriteria Analysis*, Democretian University of Thrace, Alexandroupolis, Greece 30/9-1/10
- 14) Loukeris N., and I., Eleftheriadis, (2010), Default Prediction and Bankruptcy Hazard Analysis into Recurrent neuro-genetic hybrid networks to AdaBoost M1 Regression and Logistic Regression models in Finance, Included in ISI/SCI Web of Science and Web of Knowledge, *14<sup>th</sup> International Conference on Computers CSCC*, Corfu, Greece 22-25 July
- 13) Loukeris N., (2009), Customers satisfaction in Shipping Enterprises of Maritime Cabotage implementing Artificial Intelligence and Multicriteria Decision Analysis, Included in ISI/SCI Web of Science and Web of Knowledge, *13<sup>th</sup> International Conference on Computers CSCC*, Rhodes, Greece 22-25 July
- 12) Loukeris N., (2008a), Computational Econometrics in an Empirical investigation of the Validity of CAPM in UK evidence, Included in ISI/SCI Web of Science and Web of Knowledge, *8<sup>th</sup> International Conference on Systems Theory and Scientific Computation ISTASC 08, Rhodes*, Greece, August 20-22,
- 11) Loukeris N., (2008b), Radial Basis Functions Networks to hybrid neuro-genetic RBFNs in Financial Evaluation of Corporations, Included in ISI/SCI Web of Science and Web of Knowledge, *12<sup>th</sup> International Conference on Computers CSCC*, Heraklion, Crete, Greece 23-25 July
- 10) Donnely D., Khuman A., Loukeris N., Peng Y., (2007), Analysis of Optimisation Processes in Portfolio Management beyond Mean-Variance, *7<sup>th</sup> Special Conference of the Greek Operational Research Society-HELORS, 5<sup>nd</sup> Meeting of Multicriteria Analysis*, Commercial and Industrial Chamber of Greece & Technical University of Crete, Chania 27-28 September
- 9) Loukeris N., (2007a), Corporate Financial Analysis with efficient Logistic Regressions and Hybrids of Neuro-Genetic networks, Included in ISI/SCI Web of Science and Web of Knowledge, *11<sup>th</sup> International Conference on Computers CSCC*, Elounda Agios Nikolaos, Crete, Greece 26-28 July
- 8) Loukeris N., (2007b), Comparative Evaluation of Multi Layer Perceptrons to hybrid MLPs with Multicriteria Hierarchical Discrimination and Logistic Regression in Corporate Financial Analysis-, Included in ISI/SCI Web of Science and Web of Knowledge, *11<sup>th</sup> International Conference on Computers CSCC*, Elounda Agios Nikolaos, Crete, Greece 26-28 July
- 7) Loukeris Nikolaos i) [Corporate Financial Evaluation and Bankruptcy Prediction implementing Artificial Intelligence Methods](#), ii) [Hybrid Neuro-Genetic Systems as](#)

[Effective Analysis Schemes of Financial and Accounting Statements](#), *University of Essex, CCFEA, Research Strategy Seminar Series*, 25 October 2006, Essex, UK

-6) Matsatsinis N., Loukeris N., (2006), Hybrid Neuro -genetic Principle Component Analysis networks in Corporate Financial Evaluation-, Included in ISI/SCI Web of Science and Web of Knowledge, *2<sup>nd</sup> International Conference in Data Mining*, Lisbon, Portugal, 22-24 September

5) Loukeris N., Matsatsinis N., (2006a), Recurrent Hybrid Neural - Genetic networks in Financial Analysis of Corporations, Included in ISI/SCI Web of Science and Web of Knowledge, *2<sup>nd</sup> International Conference in Data Mining*, Lisbon, Portugal, 22-24 September

4) Loukeris N., Matsatsinis N., (2006b), Hybrid Neuro-Genetic Systems as Effective Analysis schemes of Financial statements, Included in ISI/SCI Web of Science and Web of Knowledge, *2<sup>nd</sup> International Conference in Data Mining*, Lisbon, Portugal, 22-24 September

3) Loukeris N., Matsatsinis N., (2006c), Corporate Financial Evaluation and Bankruptcy Prediction implementing Artificial Intelligence methods-, Included in ISI/SCI Web of Science and Web of Knowledge, *10<sup>th</sup> International Conference on Computers, CSCC*, Vouliagmeni, Athens, July13-15,

2) Loukeris N., Matsatsinis N., Zopounidis K., Doumpos M. (2005), Financial Evaluation of Corporations with methods of Artificial Intelligence and Multicriteria Decision Analysis, *5<sup>th</sup> Special Conference of the Greek Federation of Operational Research, 3<sup>rd</sup> Meeting of Multicriteria Analysis*, Technical University of Crete, Chania 29-30/9

1) Loukeris N., et al. (1998), Monthly and Quarterly National Accounts in the European Community. A role for the National Statistical Service Greece (E.Σ.Υ.Ε.) in the frames of European Program of Research in the Official Statistics, Congress of 16/10/1998 at the *University Athens in the European Plan for Research in Official Statistics of EUROSTAT on the subject*

### *Monographies*

a) Loukeris N., (2010), 'Bankruptcy Prediction, Portfolio Optimisation & Artificial Intelligence', editors Lambert co., Germany

### *Book Chapters*

a) Invited author with 2 chapters at the 2 volumes of the book edited by the University of Piraeus in honor of retiring former Dean Professor Sotiris Karvounis (2010), the co-author is Assist. Professor I. Eleftheriadis, the chapters are:

i) 'Default Prediction into Hybrid Recurrent Neuro-Genetic Networks to AdaBoost M1 Regression and Logistic Regression models', Loukeris N., and I. Eleftheriadis,

ii) 'Radial Basis Functions Networks and RBFN Hybrids in Portfolio Selection' Loukeris N., and I. Eleftheriadis,

### *Distinctions*

Research Paper Award, International Conference of International Academy of Business & Public administration Disciplines – IABPAD, Honolulu, Hawaii, August

1-5, 2012. Title of paper: Loukeris N., Eleftheriadis I., (2012), Bankruptcy Prediction into Hybrids of Time Lag Recurrent Networks with Genetic optimisation, Multi Layer Perceptrons Neural Nets, and Bayesian Logistic Regression

*Chair of Conferences*

α) Session: Artificial Intelligence Systems and Applications II, 10th International Conference on Computers-CSCC, Vouliagmeni, Athens, Greece, July 13-15, 2006  
Chair: Tzung-Pei Hong, Nikolaos Loukeris

β) Session: Security Systems and Cryptography, 11th International Conference on Computers-CSCC, Elounda, Agios Nikolaos, Crete, Greece, July 26-28, 2007  
Chair: Nikolaos Loukeris, George Savii, Lucio Tommaso De Paolis

γ) Session: Simulation and Modelling for Circuits and Devices, 12th International Conference on Computers-CSCC, Heraklio, Crete, Greece, July 22-25, 2008  
Chair: Nikolaos Loukeris, Costin Cepisca

δ) Session: Telecommunication Networks, 12th International Conference on Computers-CSCC, Heraklio, Crete, Greece, July 22-25, 2008  
Chair: Nikolaos Loukeris, Oldrich Horak

ε) Session: Artificial Intelligence, Knowledge Engineering and Software Tools I, 12th International Conference on Computers-CSCC, Heraklio, Crete, Greece, July 22-25, 2008  
Chair: Nikolaos Loukeris

στ) Session: Computing, Data Bases, Operating Systems, 13th International Conference on Computers-CSCC, Rhodes, Greece, July 22-25, 2009  
Chair: Mirela Voicu, Nikolaos Loukeris

ζ) Session: Computational Intelligence, 13th International Conference on Computers-CSCC, Rhodes, Greece, July 22-25, 2009  
Chair: Rafael Barcena, Nikolaos Loukeris

η) Session: Software and Intelligent Systems, 14th International Conference on Computers-CSCC, Corfu, Greece, July 22-25, 2010  
Chair: Nikolaos Loukeris, Maria Moise

θ) Session: Computational Intelligence and Systems, 14th International Conference on Computers-CSCC, Corfu, Greece, July 22-25, 2010  
Chair: Michael Vokoglou, Nikolaos Loukeris

ι) Session: Computing and Networks, 14th International Conference on Computers-CSCC, Corfu, Greece, July 22-25, 2010  
Chair: Nikolaos Loukeris, Janez Zerovnik

ια) Session: Computational Intelligence, 15th International Conference on Computers-CSCC, Corfu, Greece, July 14-17, 2011  
Chair: Nikolaos Loukeris, Hong-Yu Lin

ιβ) Session: Advanced Computational Techniques, Algorithms and Numerical Methods for Modelling, Simulation and Optimization, 15th International Conference on Computers-CSCC, Corfu, Greece, July 14-17, 2011  
Chair: Nikolaos Loukeris, Dana Simian

ιγ) Session: Hybrid SVM and Neural Nets in Portfolio Selection and optimal Asset management, IEEE International Symposium on Signal Processing and Information Technology ISSPIT 2013, December 12-15, 2013 - Athens, Greece  
Chair: Iordanis Eleftheriadis, Nikolaos Loukeris,

ιδ) Session: Machine Learning in Asset Management,  
Chair: Iordanis Eleftheriadis, Efstratios Livanis, Nikolaos Loukeris



ιε) Session: Hybrid Modelling in Portfolio, IEEE Fifth International Conference on Information, Intelligence, Systems and Applications IISA 2014, July 7-9, 2014 - Chania, Crete, Greece

Chair: Nikolaos Loukeris, Iordanis Eleftheriadis

ιζ) Session: Hybrid Systems in Portfolio Selection, IEEE 19th International Conference on Circuits, Systems, Communications and Computers, CSCC 2015, July 16-20, 2015, Zante, Greece

Chair: Nikolaos Loukeris,

ιη) Session: Hybrid Modelling in Portfolio, IEEE Sixth International Conference on Information, Intelligence, Systems and Applications, IISA 2015, July, 6-8, 2015 - Corfu, Greece

Chair: Boutalis Y., Livanis E., Arampatzis A., Nikolaos Loukeris

#### *Discussant*

i) Mean-Variance Optimal Portfolios in the Presence of a Benchmark with Applications to Fraud Detection Authors: Bernard C., University of Waterloo (Canada), Vanduffel S., Vrije Universiteit Brussels (Belgium), IV World Finance Conference, Limassol, Cyprus, July 1-3, 2013

ii) Value Around the World Authors: Nilufer Caliskan - Swiss Finance Institute - University of Zurich (Switzerland) Thorsten Hens - Swiss Finance Institute - University of Zurich (Switzerland) World Finance Conference, Venice, Italy, July 2-4, 2014

iii) Spanning with Indexes Authors: Weidong Tian - University of North Carolina at Charlotte (United States), World Finance Conference, Venice, Italy, July 2-4, 2014

#### *Administration of International Scientific Conferences*

1) Member of the Program Committee on the IEEE 2012 World Symposium on Computational Intelligence for Security and Defence Applications-CISDA, Ottawa, Canada, July 11-13, 2012,

2) Member of the Program Committee on the 12th International Conference on Applied Informatics and Communications (AIC '12), Istanbul, Turkey, August 21-23,

3) Member of the Program Committee on the 5th International Conference on Materials Science (MATERIALS '12), Sliema, Malta September 7-9, 2012

#### *Editor of Journals*

1) Associate Editor into the Transactions on Systems-Wseas

2) Member of the Editorial Team at the Journal of Computer Engineering and Science

#### *Reviewer of the Journals*

i) IEEE Proceedings, Impact Factor: 6.911,

ii) IEEE Transactions on Fuzzy Systems I. F.: 5.484,

iii) IEEE Transactions on Evolutionary Computation, I. F.: 4.81,

iv) IEEE Computational Intelligence Magazine I. F.: 4.629,

v) IEEE Transactions on Neural Networks and Learning Systems, I. F.: 3.766

vi) Decision Support Systems, I. F.: 2.331

vii) Journal of Banking and Finance, I. F.: 2.249

- viii) European Journal of Operations Research, I. F.: 2.227,
- ix) IEEE Transactions on Engineering Management, I. F.: 1.964
- x) IEEE Transactions on Aerospace and Electronic Systems, I. F.: 1.29
- xi) IEEE Transactions on Computers, I. F.: 1.1
- xii) International Review of Financial Analysis, I. F.: 0.61,
- xiii) Computational Economics, I. F.: 0.514
- xiv) Annals of Finance, I. F.: 0.45
- xv) WSEAS Transactions on Systems, I. F.: 0.29

#### *Administration of Organisations*

- A) I am Deputy Member at the Board of Directors into the Hellenic Association of Artificial Intelligence-EETN (Greek AAI) (2010-2012, 2013-2015), located in the National Centre of Scientific Research of Greece 'DEMOKRITOS'
- B) I was Deputy Member at the Board of Directors in the Association of Mechanical and Electrical Engineers of Greece - Division of Western Crete (2009-2012)
- C) I was Representative of the Postgraduate students in Computational Finance at the University of Essex, (2006-07)

#### *Professional-Scientific Organisms*

- 1) Full member of the Technical Chamber of Greece as:
  - I) Chartered Mechanics Engineer with a General License to elaborate Electrical or Mechanical infrastructures of any kind according to Law 6422/1934, and
  - II) Chartered Engineer for Industrial Projects and Studies, and for Environmental Projects and Studies
- 2) Full member of the Economic Chamber of Greece, from which I own the following permissions and certifications:
  - I) Chartered Economist, and
  - II) Chartered Accountant in rank BA (sign of all Accounting Books)

#### *Membership in Professional - Scientific Organisations*

International Institute of Finance (web member), American Institute of Aeronautics and Astronautics, Institute of Electronics and Electrical Engineers, New York Academy of Sciences, IEEE Computer Society-Computer Science, Cloud Computing Community, IEEE, Institution of Engineering and Technology-UK(web member), Association for Computing Machinery, American Society of Mechanical Engineers, International Association of Financial Engineers, American Finance Association, Corporate Portfolio Management Association, American Accounting Association, Society of Mechanical and Electrical Engineers of Greece, Society of Production and Management Engineers of Greece, Society of Chartered Scientists of Economics, Hellenic Artificial Intelligence Society (partner of the European Coordinating Committee for Artificial Intelligence)

#### *Supervision of Graduate Projects*

I am supervising 2 projects at the Polytechnic of Crete, whilst I already supervised 3, I was examiner in the examinations committee of 13 graduation projects. I supervised 73 graduate projects at the IEK College of Rethymno.

### *Projects of European Union*

A) 'Sustainable development of Vibo Valentia -Italy, with emphasis on Sustainable Tourism', this project was co-funded by the EU and the Italian government, (2005-06)  
Overall Budget 660,000 €

[undertaken by KEA Company where I worked for. I elaborated the evaluation of proposals, I concluded to the best practices and I did the project of the sustainable development in tourism]

### *Engineering Projects*

A) 'Improvement of electro-mechanical infrastructures into a commercial business', (2009-10), owner: E. Katsanikakis, Overall Budget 85,000 €

B) 'Photovoltaic System for private production and trading of electricity - project I', (2011), owner: M. Markoulakis, Overall Budget 35,000 €, - *approved, under consideration*

C) 'Photovoltaic System for private production and trading of electricity - project II', (2011), owner: M. Markoulakis, Overall Budget 35,000 €, - *approved, under consideration*

D) 'Photovoltaic System for private production and trading of electricity - project I', (2012), owner: Nik. Markoulakis, Overall Budget 35,000 €, -*under development*

E) 'Photovoltaic System for private production and trading of electricity - project II', (2012), owner: Nik. Markoulakis, Overall Budget 35,000 €, -*under development*

F) 'Feminine Entrepreneurship - Development of a new producing and trading firm of cosmetics and fragrances', (2013) owner: M. Tontaki, Overall Budget 32,000 €, - *approved*

### *Academic Education*

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➤ PhD (2015) on Financial Engineering in Computational Intelligence, dept. of Business Administration, University of Macedonia, Greece, supervisor Deputy Dean and Associate Professor: I. Eleftheriadis

[Courses succeeded: Business Risk Analysis – Derivatives, Marketing, Strategic Marketing, International Marketing, Business Strategy, Finance II, Accounting I, Financial Markets & Organisations I]

➤ Doctorate Research Associate, Athens University of Economics and Business, Greece, (2015-16), dept. Accounting and Finance, supervisor Professor S. Bekiros

➤ Doctorate Research Associate, Democritus University of Thrace, Greece, (2014-15), dept. Electrical and Computer Engineers, supervisor Professor Y. Boutalis

➤ Graduate Researcher on Artificial Intelligence in Finance, dept. of Electronics and Computer Engineering, Technical University of Crete, Greece (2009-2012), supervisor: Associate Prof. A. Potamianos (PhD Harvard)

➤ MSc in Computational Finance, University of Essex, UK, (2008), dept. CCFEA

➤ MSc in Engineering Management, by Research & Coursework (MPhil), Technical University of Crete, Greece (2005<sup>A</sup>)

➤ Degree (Ptychio) in Economic Sciences, University of Crete, Greece (2000<sup>A</sup>), grade 7.4 in 2.5 years

➤ Degree + Hons. + MSc (Ptychio) in Mechanical Engineering specialised in Production Engineering and Management, Technical University of Crete, Greece (1995), grade 7.7 in 5 years