



# Lykourgos Magafas

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## EDUCATION

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Physics	1983 — 1987
<i>University of Thessaloniki (Hellas)</i>	
Ph.D (Electrical Engineering & Computer Engineering)	1987 — 1992
<i>University of Thrace (Hellas)</i>	

## SCHOLARSHIPS

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- Institution of National Scholarships, 1984-1986
- Special Postgraduate Scholarship, 1989-1992

## PHD THESIS

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- L.Magafas "Deposition, Properties and Applications of Amorphous Semiconductor Alloys", Xanthi 1992.

## EXPERIENCE

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Democritus University of Thrace	1989 — 1992
<i>Research Assistant</i>	
Democritus University of Thrace	1992 — 1999
<i>Post Doctoral Research Fellow</i>	
Democritus University of Thrace	1999 — 2000
<i>Lecturer (Acc. To PD 407/80)</i>	
Democritus University of Thrace	2000 — 2007
<i>Assistant Professor (Acc. To PD 407/80)</i>	
Kavala Institute of Technology	1992 — 2005
<i>Research Fellow</i>	
Kavala Institute of Technology	2005 — 2010

## ADMINISTRATIVE POSITIONS

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- **September 2005 – up to now:** Head of Academic Sector of Electronics and Control Systems.
- **September 2007 – August 2015:** Deputy head of Department
- **February 2011 – 2013:** Head of Research Sector of Radiation in East Macedonia Thrace Center of Technological Research.
- **September 2015 – up to now:** Member of Senate in the Eastern Macedonia and Thrace Institute of Technology

## TEACHING

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### Department/ University

Dept. of Electrical Engineering/ Eastern Macedonia and Thrace Institute of Technology	<ul style="list-style-type: none"><li>◦ Electronics I, II</li><li>◦ Signal Processing</li><li>◦ Materials Technology</li><li>◦ Measurements Technology</li><li>◦ Telecommunications</li><li>◦ Control Systems</li><li>◦ Political Economy</li><li>◦ Applied mathematics</li><li>◦ Microcomputers</li><li>◦ Technology of New Materials</li></ul>
Dept. of Information of Eastern Macedonia and Thrace Institute of Technology	<ul style="list-style-type: none"><li>◦ Electronics</li><li>◦ Electrical Circuits</li></ul>
Dept. of Product and Management	<ul style="list-style-type: none"><li>◦ Materials Technology</li></ul>
Dept. of Electrical and Computer Engineering/ Democritus University of Thrace	<ul style="list-style-type: none"><li>◦ Superconductors and their Applications</li><li>◦ Automated Electronic Measurements</li><li>◦ Multimedia</li></ul>

## INTERESTS

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- Linear and Non- Linear Electronic Circuits
- Signal Processing
- EconoPhysics , SocioPhysics, Complex Systems
- Non-Linear Dynamic and Financial Markets
- EconoPhysics and Derivatives

## PARTICIPATION IN RESEARCH PROGRAMS

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Participation in 14 research Programs with the follow Sponsors.

- 1.“Deposition and characterization of new amorphous semiconductor materials”, Research Committee of the Democritus Univ. of Thrace. (1989-1990)
- 2.“Improving the infrastructure of the Department of Electrical Engineering, Democritus University of Thrace for Research and Technological Development (establishment of linkages with R & D ”), The Greek Ministry of Industry, Energy and Technology, and the Democritus University of Thrace (Research Committee)- "STRIDE HELLAS 8" (Project Leader) . (1992- 1994)
- 3.“Technology of amorphous semiconductors and photovoltaic cells for the exploitation of solar energy”, The Greek Ministry of Industry, Energy and Technology (General Secreteriat of Research and Technology), PENED. (1991-1993)
- 4.“Design, Construction, Design and Optimization LED Silicon (Si) with high quantum efficiency in the blue area of the visible spectrum. ", The Greek Ministry of Industry, Energy and Technology (General-Secretariat for Research and Technology ), PENED. (1996-1998)
- 5.“Development of advanced textile and other flexible materials with solar cells" The Greek Ministry of Development, General Secretariat For Research & Technology and Democritus University of Thrace (Research Committee). (2006-2008).
- 6.“Modeling and control of electrical machines in the interconnected power system”The Greek Ministry of Education, ARHIMIDIS II. (2004-2006)
- 7.“Optimization of the sensitivity of the optical sensor of the type Al / a-SiC: H / c-Si (n) by thermal annealing”, Research and Fund Administration Committee TEI of Kavala (2006-2009 ) (Coordinator)
- 8.“Optimization of power factor in the operational area of Kavala, Compilation and evaluation project”, Research and Fund Administration Committee TEI of Kavala (2006-2009 ).
- 9.Replacing Power System Multi rocket launcher His Weapon System RM 70 ", GES-GDDIA , Defense Ministry, (2010-2011).
- 10.“Valasia” , The Greek Ministry of Development,General Secretariat For Research & Technology (“SYNERGASIA”) (2011- 2014).
- 11.Quality Assurance Unit of Kavala Institute of Technology Greek Ministry of Education, Lifelong Learning and Religious Affairs (2011- 2015).
- 12.Innovations and Entrepreneur’s Unit Eats Macedonia Thrace Institute of Technology, Vice Coordinator(2011-2015).
- 13.Marie Brain, The Greek Ministry of Development,General Secretariat For Research & Technology (“SYNERGASIA III”), Coordinator for the Department of Electrical Engineering of Eastern Macedonia Thrace Institute of Technology (2011- 2015).
- 14.Interreg Greece-Bulgaria 2014-2020, “Groundwater resource management for non potable water purpose basement protection and heating Pilot application (GREEN PUMB), Coordinator for the Department of Electrical

## INVITED LECTURES

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- Institute of Materials Science, National Research Center of Scientific Research with subject “Study of Thin Films”, Ag. Paraskevi, Athens, Greece, 1994
- Dept. of Economical Studies, University of Thessaly, with subject “EconoPhysics: A new approach to economic problems in the light of physics”, Volos, 2011.
- Master Degree Program in Financial Engineering, Bogazici University, Istanbul, Turkey 2012, with subject “What is EconoPhysics” and “Has the Greek financial problem triggered the debt problem for the whole Eurozone? An analysis based on EconoPhysics”, Istanbul, Turkey 2012.
- Dept. of Economical Studies and Master Degree in Applied Economics, University of Thessaly, with subject “The Greek dept and the crisis in Euro-zone using models from EconoPhysics”, Volos, Greece, 2013.
- World Forum for a Sustainable Society, 16<sup>th</sup> International Conference 18-19 October Sofia, Bulgaria 2013.
- Department of Physics, Istanbul Culture University, with subject “What is EconoPhysics? – EconoPhysics approach of the Greek financial problem and Euro-zone crisis”, Istanbul, Turkey 2014.

## MASTER COURSES

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- Vice director of the Master course “EconoPhysics – Finance Forecasting” (University of Thessaly and Eastern Macedonia and Thrace Institute of Technology) .

## BOOKS LECTURE NOTES

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1. L.Magafas and J.Karafyllides, <sup>2</sup>Exercise of Microelectronics I<sup>2</sup> Democritus University of Thrace, Xanthi 1993.
2. L.Magafas “Excell for Secondary School” Kavala 1999.
3. L.Magafas "Introduction to Science and Technology of Materials- Laboratory Exercises," Xanthi, 2001. Laboratory Exercises.
4. L.Magafas “ Basic Electronics” TEI of Kavala, Kavala 2007.
5. L.Magafas “Signal Processing and Applications” TEI of Kavala, Kavala 2013.
6. L.Magafas, S.Toumpektis <sup>2</sup>Measurement Systems<sup>2</sup> TEI of Kavala, Kavala 2012.
7. S.Toumpektis and L.Magafas, “The art of measurement”2011, ISBN 978-960-93-2718-3.
8. L.Magafas, A.Pavlidis, “Laboratory of Electronics I”, TEI of Kavala, Kavala 2011.
9. L.Magafas , M.Chanias, “ Materials Technology”, Thessaloniki 2016, ISBN 978-960-418-654-9.

## MEMBERSHIP IN SCIENTIFIC SOCIETIES

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- Panhellenic Union of Physics
- President of Local Union in Kavala 2009-2014.
- Vice President of Local Union in Kavala 2014 up 2016.

## REFEREED JOURNAL PAPERS

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1. L.Magafas, A.N.Anagnostopoulos and J.G.Antonopoulos, 1989, "On the Conductivity of Amorphous CdS Films", *Physica Status Solidi(a)* 111, K 175.
2. L.Magafas, N.Georgoulas, D.Girginoudi and A.Thanailakis, 1991, "The Dependence of Electrical and Optical Properties of RF Sputtered Amorphous Silicon-Carbon Thin Films on Substrate Temperature and Hydrogen Flow Rate", *Physica Status Solidi (a)*, 126, p.143 .
3. L.Magafas, N.Georgoulas, D.Girginoudi and A.Thanailakis, 1992, "Structural and Optical Properties of a-SiC:H Thin Films", *Journal of Non-Crystalline Solids*, 139, p.146 .
4. L.Magafas, N.Georgoulas and A.Thanailakis, 1992, "Electrical Properties of a-SiC/c-Si(p) Heterojunctions", *Semiconductor Science and Technology*, 7, p.1363 .
5. N.Georgoulas, L.Magafas and A.Thanailakis, 1993, "A Study of a-SiC/c-Si(n) Isotype Heterojunctions", *Active and Passive Electronic Components*, 16, p.55.
6. J.A.Kalomiros, A.Papadopoulos, S.Logothedidis, L.Magafas, N.Georgoulas and A.Thanailakis, 1994, "Optical Properties of a-SiC:H Grown by RF Sputtering", *Physical Review B*, 49, p.8191 .
7. L.Magafas, N.Georgoulas and A.Thanailakis, 1997, "The Influence of Metal Work Function on Electrical Properties of Metal/a-SiC:H Schottky Diodes", *Microelectronics Journal* 28(2), p.107 .
8. L.Magafas, N.Georgoulas and A.Thanailakis, 1998, "The a-SiC/c-Si(n) Isotype Heterojunction as a High Sensitivity Temperature Sensor", *Active and Passive Electronic Components* 20, p.225.
9. L.Magafas 1998, "The Effect of Thermal Annealing Temperature on the Optical Properties of a-SiC:H Thin Films", *Journal of Non-Crystalline Solids* 238, p158.
10. L. Magafas, N.Georgoulas and A.Thanailakis, 2002, "Optical response of Al/a-SiC/c-Si(p) heterojunction structure", *Microelectronics Journal* 33, p.761.
11. L.Magafas, 2003, "Optical Response Study of the Al/a-SiC:H Schottky Diode for Different Substrate Temperatures of the RF Sputtered a-SiC:H Thin Film", *Active and Passive Electronic Components* 26(2), p.63.
12. C.Koliopanos, I.M.Kyprianidis, I.N.Stouboulos, A.N.Anagnostopoulos and L.Magafas, 2003, "Chaotic Behaviour of a Fourth -Order Autonomous Electric Circuit", *Chaos Solitons & Fractals*, 16, p.173.
13. L.Magafas, J.Kalomiros, D.Bandekas, G.Tsirigotis, 2006, "Optimization of the electrical Properties of Al/a-SiC:H Schottky diodes by means of thermal annealing of a-SiC:H thin films", *Microelectronics Journal*, 37,p.1352.
14. L.Magafas, D.Bandekas, A.K.Boglou and A.N.Anagnostopoloulos, 2007, "Electrical Properties of Annealed a-SiC:H Thin Films", *Journal of Non Crystalline Solids*, 353, p.1065.
15. L.Magafas, C. Mertzaniadis, D.Bandekas, N.Athaniasiades, 2007, "Thermal annealing effects on the optical and electrical properties of a-SiC:H thin films sputtered at different hydrogen flow rates", *Journal of Optoelectronics and Advanced Materials*, 9, p.2030.
16. P.Papadopoulou, N.Georgoulas, L.Magafas, 2007, "A study of the optical response speed of silicon Bulk Barrier photodiodes based on simulation results", *Optoelectronics and Advanced Materials Rapid-Communications*, 1 (8), p.379.
17. C. Mertzaniadis and L. Magafas, 2007, "Far - field radiation characteristics in a dielectric environment", *Optoelectronics and Advanced Materials RapidCommunications*, 1 (9). 457.
18. L. Magafas, J. Kalomiros, 2007, "Optimization of Al/a-SiC:H optical sensor device by means of thermal annealing.", *Microelectronics Journal*, 38, p.1196.
19. C. Mertzaniadis and L. Magafas, 2007, "Reflection effects in stratified dielectric structures", *Journal of*

Optoelectronics and Advanced Materials, 9 (12), p.3946.

20.D. Bandekas, N. Vordos, K. Tarchanidis, L. Magafas, G. Tsirigotis, 2007, "Optimum Selection based on the Energy Capacity between Different Types of Renewable Sources using a Controller", Electronics and Electrical Engineering, 8 (80), p.9.

21.L. Magafas, 2008, "Study of optimization of Al/a-SiC:H Schottky diodes by means of annealing process of a-SiC:H thin films sputtered at three different hydrogen flow rates", Journal of Engineering Science and Technology Review, 1 , p.4.

22.M.P.Hanias, L.Magafas, J.Kalomiros, 2008, "Non-Linear Analysis in RL-LED Optoelectronic Circuit", Optoelectronics and Advanced Materials Rapid-Communications, 2 (2), p.126.

23.J. A. Kalomiros, S.G. Stavrinides, A.N. Miliou, I.P. Antoniadis, L. Magafas, and A.N. Anagnostopoulos, 2009, "The nonlinear current behaviour of a driven R-L-Varactor in the low frequency range", Nonlinear Analysis: Real World Applications, 10(2), pp. 691-701.

24.L. Magafas, N.Batzolis, C.Mertzandis, 2008, "Frequency and Time Domain reflection response of stratified dielectric structures", Journal of Optoelectronics and Advanced Materials 10 (6), p.1396.

25.L. Magafas, 2008, "Study of optical sensors of the form Al/a-SiC:H/c-Si(n) with high sensitivity", Journal of Engineering Science and Technology Review 1, p.41.

26.N.Batzolis, V.Kratidis, L.Magafas, C.Mertzandis, 2008 " Electromagnetic Directivity Effects of Dielectric Materials", European Journal of Scientific Research, 23 (4).

27.S. G. Stavrinides, A. N. Miliou, A. N. Anagnostopoulos, V. Konstantakos, Th. Laopoulos and L. Magafas, 2009, "Desynchronization Crisis Induced Intermittency in a Master - Slave PLL Configuration". Chaos Solitons & Fractals, 42(1), pp. 33-39.

28.M. P. Hanias, L. Magafas, 2009, "Time Series Cross Prediction in a single Transistor Chaotic Circuit Neural Networks", Journal of Engineering Science and Technology Review, 2 (1) , p.8

29.S. G. Stavrinides, A. N. Anagnostopoulos, A. N. Miliou, A. Valaristos, L. Magafas, k. Kosmatopoulos and S. Papaioannou, 2009, "Digital Chaotic Synchronized Communication System" , Journal of Engineering Science and Technology Review, 2 (1) , p.82.

30.M. P. Hanias and L. Magafas, 2009 "Application of Physics Model in prediction of the Hellas Euro election results", Journal of Engineering Science and Technology Review, 2 (1) , p.104.

31.M. P. Hanias and L. Magafas, 2009 "Application of Physics Model in prediction of the Hellas National election results ", Journal of Engineering Science and Technology Review, 2 (1) , p.112.

32.M.Hanias , T.Stathakis, P.Antoniades, L.Magafas and D.Bandekas, 2012, "A study of the Regional Growth Domestic Product of East Macedonia Thrace by using a Neural Network Model.", International Journal of Productivity Management and Assessment Technologies (IJPMAT), 1 (1), p.18 .

33.L. Magafas, A. Ozun, M. Turk, 2012, "Regime Transitions in Emerging Markets under the Weak Dollar Period: An Empirical Analysis with Two-State Time-Varying Regime Switching Model" , Journal of Engineering Science and Technology Review, 4 (3), p.251.

34.M. P. Hanias, L. Magafas, A. Ozun, 2012, "Predicting the CDS index", Journal of Engineering Science and Technology Review, 4 (3), p.297.

35.M. P. Hanias and L. Magafas , 2012, "Chaos theory in predicting election results" , Journal of Engineering Science and Technology Review, 4 (3), p.286.

36.Ch. K. Volos, I. M. Kyprianidis, S. G. Stavrinides, I. N. Stouboulos, L. Magafas and A. N. Anagnostopoulos, 2012, "Nonlinear Financial Dynamics from an Engineer's Point of View", Journal of Engineering Science and Technology Review, 4 (3), p.281.

- 37.M.Hanias and L.Magafas, 2013, "Predicting the Production of Total Industry in Greece with chaos theory and neural networks", European Research Studies, Vol. XVI (2), p. 59.
- 38.L.Magafas, 2013, "Has the Geek financial problem triggered the debt problem for the whole Eurozone? An analysis based on EconoPhysics." China-USA Business Review, 12(7), 655.
39. M.Hanias, P.Konstantaki and L.Magafas, 2013, "Non Linear Analysis of S&P Index", Quarterly Journal of Economics and Economic Policy, to Equilibrium Journal, Volume 8 issue 4.
- 40.A.Ozun, Y. F. Contoyiannis, F. K. Diakonou, M. Hanias, and L. Magafas, 2014, "Search for criticality in the Stock Exchange", Journal of Trading, Vol.9, (3) p.34.
- 41.M.Hanias, L.Magafas, S.Stavrinides, P.Papadopoulou and M.Ozer, 2013, "Chaotic behavior of the forward I-V characteristic of the Al/a-SiC:H/c-Si(n) heterojunction" Chaos and Complex Systems, p.475.
- 42.M.Hanias, L.Magafas, and S.Stavrinides, 2015, "Chaotic analysis of gold time series" Journal of Engineering Science and Technology Review, Special issue on EconoPhysics, Vol.8 (1), p.16.
- 43.A. C. Iliopoulos, G. P. Pavlos, L. Magafas, L. Karakatsanis, M. Xenakis, E. Pavlos, 2015, "Nonextensivity in Stock Market Indices. The cases of S & P 500 and TVIX", Journal of Engineering Science and Technology Review, Special issue on EconoPhysics, Vol.8 (1), p.34.
- 44.S.Stavrinides, M.Hanias, L.Magafas and S.Banerjee, 2015, "Study Economic situations by using Electrical Circuit", International Journal of Productivity Management and Assessment Technologies (IJPMAT), Vol 3 (2), p.1.
- 45.P. Papadopoulou, S.G. Stavrinides, M. Hanias, L. Magafas. (2015) "Study of the Electrical Behavior of Metal/\_SiC:H/poly-Si(N) Structure Using Simulation" ACTA PHYSICA POLONICA A, Vol. 127 No. 4.
- 46.P. Papadopoulou, L. Magafas, P. Agelopoulos, N. Vordos, K. Vlachos, "Low Cost Optical Sensing Device for Fuel Detection in Ships" Journal of Engineering Science and Technology Review, Vol 9, Iss 2, Pp 47-49 (2016).
- 47.L.Magafas, M.Hanias A.Tavlatou, P.Konstantaki, (2017), "Non Linear Properties of VIX Index", Submitted after invitation to special edition of "The Management Accountant Journal" International Journal of Productivity Management and Assessment Technologies (IJPMAT), Vol.5(2).
- 48.L.Magafas and M.Hanias, "Analysis and Prediction of EUR/USD Index Using EconoPhysics Methods" Submitted to Quarterly Journal of Economics and Economic Policy, to Equilibrium Journal
- 49.M.Hanias, T.Nau, P.Papadopoulou, L.Magafas, E.Phillipousi, "Theoretical study of I-V characteristics of a Single Electron Transistor using simulation" . Submitted for publication (Acta Physica Polonica A).

## REFEREED CONFERENCE PROCEEDINGS PAPERS

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1. L.Magafas, N.Georgoulas, D.Girginoudi and A.Thanailakis, Sept. 1988, <sup>2</sup>R.F.Sputtered a-SiC:H Thin Films<sup>2</sup>, Proc.of IV National Conference on Solid State Physics, pp.269-273, Athens, Greece.
2. L.Magafas, N.Georgoulas, D.Girginoudi and A.Thanailakis, Nov. 1988, <sup>2</sup>A Study of Electrical and Optical Properties of a-SiC:H for Photovoltaic Conversions<sup>2</sup>, Proc. 3<sup>rd</sup> Renewable Energy Sources National Conference, pp.431-440, Thessaloniki, Greece.
3. L.Magafas, N.Georgoulas, D.Girginoudi and A.Thanailakis, Sept. 1989, <sup>2</sup>The Effect of Growth Conditions on the Properties of a-SiC:H Thin Films<sup>2</sup>, Proc.of V National Conference on Solid State Physics, pp.167-172, Xanthi, Greece.
4. L.Magafas, N.Georgoulas, D.Girginoudi and A.Thanailakis, April. 1990, <sup>2</sup>The Influence of Deposition Conditions on the Properties of a-SiC:H Thin Films<sup>2</sup>, MRS Symp.Proc.Vol. 192, pp 589-594, San Francisco, California, U.S.A.
5. L.Magafas, N.Georgoulas and A.Thanailakis, Sept. 1991, <sup>2</sup>Studies of Electrical Properties of a-SiC/c-Si Heterojunctions<sup>2</sup> Proc.of VI National Conference on Solid State Physics, pp.316-320, Thessaloniki, Greece.

6. L.Magafas, N.Georgoulas and A.Thanailakis, Sept. 1992, <sup>2</sup>Heterojunctions of a-SiC/c-Si(p) Type as Photovoltaic Cells<sup>2</sup>, Proc. 4<sup>th</sup> Renewable Energy Sources National Conference, Vol B , H.E.F. pp.62-67, Xanthi, Greece.
7. J.Kalomiros, E.Paloura, N.Georgoulas, A.Ginouidi, S.Kennou, L.Ladas, A.Anagnostopoulos, J.Spiridelis, D.Girginouidi, L.Magafas, N.Georgoulas, A.Thanailakis, Sept. 1994 <sup>2</sup>Ex-situ Hydrogenation of Amorphous Silicon Carbon Thin Films Deposited by R.F. Sputtering<sup>2</sup> Proc.of X National Conference on Solid State Physics, pp.211-214, Delphi, Greece.
8. D.Girginouidi, L.Kilindireas, L.Magafas S.Girginouidi L.Georgopoulos, E.Dimitriades A.Thanailakis and N.Georgoulas , March 1995, <sup>2</sup> Technological Surface Processing of CVD and PVD , and Their Applications in Greece<sup>2</sup> Meeting of Technical Chamber with the Subject<sup>2</sup>Special Surface Technologies and Applications in Greece<sup>2</sup>, Proc. Pp.145-167, Athens, Greece.
9. L.Georgopoulos, N.Georgoulas , L.Magafas and A.Thanailakis Sept. 1995,<sup>2</sup>Study of Electrical Properties of Bulk Burrier Diodes (BBD) <sup>2</sup>, Proc.of XI National Conference on Solid State Physics, pp.15-19, Xanthi, Greece.
10. L.Magafas, N.Georgoulas and A.Thanailakis, Sept. 1996, <sup>2</sup>Isotype Heterojunction of a-SiC/c-Si(n) Heterojunctions<sup>2</sup> Proc.of XII National Conference on Solid State Physics, pp.116-120, Crete, Greece.
11. L.Magafas, G.Heristanides, “Teaching Methods in Environmental Education by using Information and Communication Technologies”, Proc. Of 1<sup>st</sup> Conference of Environmental Education , Korinthos September 2006.
12. L.Magafas, J.Kalomiros, D.Bantekas, “Optimization of the electrical Properties of Al/a-SiC:H Schottky diodes by means of thermal annealing of a-SiC:H thin films” Proc. of Panhellenic Conference of Physics, Larissa April 2006.
13. N.Athnasiadis, D.V.Bandekas, L.Magafas and E.Athnasiadis, “Modeling and Application of Facts Devices at the Interconnected South East European Region”, Sixth IASTED International Conference, European Power and Energy Systems, Rhodes, Greece, June 26-28, p.57, 2006.
14. L. Magafas, “Study of optical sensors of the form Al/a-SiC:H/c-Si(n) with high sensitivity”, Proc. of Panhellenic Conference of Physics, Kavala March 2008.
15. M.P.Hanias, L.Magafas, “DemoscopoPhysics a new Interdisciplinary Research Field”, Proc. of 3<sup>d</sup> International Interdisciplinary Chaos Symposium on Chaos and Complex Systems, May 21-24, 2010, Konstantinoupoli, Turkey.
16. M.Hanias, L.Magafas, S.Stavriniades, P.Papadopoulou and M.Ozer, 2013, “Chaotic behavior of the forward I-V characteristic of the Al/a-SiC:H/c-Si(n) heterojunction” Complexity, Proceedings of the 4th International Interdisciplinary Chaos Symposium, p.221.
17. V. Iakovoglou, G.N. Zaimis, D. Emmanouiloudis, A. Ioannou, D. Bandekas , L. Magafas, C. Giordamlis , P. Kouris, 2014 “Innovative use of sensors to Collect, Analyze and Forecast Abiotic Factors in Order to Improve Productivity ”, International Society for Horticultural Science, Muscat, Oman 22 October 2014 .
18. L.Magafas “Low Cost Sensing Device for Fuel Detection in Ships” 4<sup>th</sup> Proceedings of 4<sup>th</sup> International Conference on Modern Circuits and System Technologies, Thessaloniki May 2015.

## OTHER PUBLICATIONS

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### Editing

- J.P. Bentley, “Principles of Measurement Systems” , Pearson Prentice Hall, 2004. Editing in Greece by N.Koliopoulos, D.Bandekas, L.Magafas.

### Chapter in Book



- M.Hanias, L.Magafas, “DemoscopoPhysics: A New and Interdisciplinary Research Field” Chaos and Complexity Theory for Management: Nonlinear Dynamics, Ch16, p.317, 2012

### **As Chair of Conference**

- 2016 International Conference on Market Economy and Business Administrations Hangzhou Zheijiang China, August 2016.
- 2nd International EconoPhysics Conference, Kavala 13,14 September, 2013.
- International Conference on EconoPhysics Kavala 2,3 June, 2011.

### **As Member of Conference Committee**

- 2nd International Conference on Contemporary eEconomics and finanCial governanCe 2017 (The Inter4C 2017)
- International Conference on Physico-Informatics, Internet and Disruptives, Technologies (Technical Programme Committee), 2015, Jakarta Indonesia.
- Technical Member Comittee of International Conference on Signal Processing and Integrated Networks. Spin. 2014.
- Member of Program Committee of AAI Symposium at Standford 2014.
- Member of Advisory Board in 2nd International Symposium on Chaos, Complexity and Leadership, 17-19 December 2013, Ankara, Turkey.
- Member of Technical Program Committee of International Conference on Chaos Cryptography and Communications, 23-27 September, Bali Indonesia 2013.
- Member of the Organizing Committee of the 4th International Conference on “Chaos and Complex Systems”, Antalaya 2012.
- Member of the Scientific Committee of the 12th Panhellenic Conference on Physics, Kavala March 2008.
- Chairman of the Local Organizing Committee of the 12th Panhellenic Conference on Physics, Kavala March 2008.

### **As Member Committee of Summer Schools**

- Chairman of Local of Organizing Committee in CERN School of Computing Kavala 14-25/9/2015.
- Member of Advisory Board in CERN School of Computing Kavala 14-25/9/2015.

### **As Member of Editorial Board of Journals**

- Journal of Engineering Science and Technology Review (Co Editor)
- International Journal of Productivity Management and Assessment Technologies
- (IJPMAT) (International Advisory Board)
- Guest Editor of Special Issue of 12th Conference of Hellenic Physical Society.
- Research Journal of Applied Sciences (Editorial Board)
- Journal of Engineering and Applied Sciences (Editorial Board)

### **As Journal Reviewer**

- Journal of Engineering Science and Technology Review (Editorial Board)
- Physical Review B
- Thin Solid Films
- Materials Science and Engineering

### **Citation Index**

More than 320 citations to the journals.

## REFERENCES

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References available upon request.