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**Professor**  
**Department of Informatics**  
**Athens University of Economics and Business**

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**FIELDS OF SPECIALIZATION**

*Time-series Analysis and Applied Econometrics* in the areas:

Growth and Productivity Analysis, Production Efficiency, Stochastic Production Frontier Modelling, Foreign Trade, Foreign Direct Investment, Information and Communication Technologies, Inventory Investment Analysis, Business Cycle Analysis, Energy Economics, Labour Economics.

**STUDIES**

- B.A.** 1976 Economics, Athens University of Economics and Business, Greece
- B.A.** 1979 Political Science, Pantios School of Political Science, Greece
- M.A.** 1985 Economics, University of Pittsburgh, U.S.A.
- Ph.D.** 1987 Economics, University of Pittsburgh, U.S.A.

**CURRENT ACADEMIC POSITION**

Professor, Department of Informatics, School of Information Sciences and Technology, Athens University of Economics and Business, 2006-

**OTHER WORK EXPERIENCE**

- Teaching Assistant, University of Pittsburgh, 1983-1985.
- Teaching Fellow, University of Pittsburgh, 1985-1987.
- Teaching Fellow, Athens University of Economics and Business, 1988-1990.
- Lecturer, Athens University of Economics and Business, 1990-1994.
- Assistant Professor, Athens University of Economics and Business, 1994-2001.
- Associate Professor, Athens University of Economics and Business, 2001-06.
- Research Fellow, Institute of Economic Policy Studies, 1995-2003.
- Research Fellow, Frontier Economics, Consulting Firm, London, 2004-06.
- Research Fellow, ICAP, Research and Investment Co., 2007-08.

Visiting Professor, University of Indianapolis, USA, 2008.

Visiting Professor, University of Sydney, Australia, 2010.

Teaching Staff, Hellenic Open University, 2009-2018.

Teaching Assignment, Lifelong Learning Erasmus Programme, Birkbeck College, Department of Management, University of London, UK, June 2013.

Teaching Assignment, Lifelong Learning Erasmus Programme, Vienna University of Economics and Business, Vienna, Austria, March 2014 and April 2016.

Visiting Professor, University of Sydney, Australia, September 2010 – January 2011.

Visiting Professor, University of Pittsburgh, USA, February – April 2015.

Visiting Professor, University of Cordoba, Argentina, July – September 2015.

### REFEREE FOR

Economica, Oxford Economic papers, Journal of Productivity Analysis, Journal of Industrial Organization, Journal of Economic Dynamics and Control, Empirical Economics, Economic Modelling, Applied Economics, Information Economics and Policy, Economics of New Technology and Innovation, Contemporary Economic Policy, European Journal of Development Research, International Journal of the Economics of Business, European Journal of Political Economy, Global Business and Economics Review, International Journal of Production Economics, International Journal of Energy Systems, South Eastern Europe Journal of Economics, Education Economics, Journal of Industry, Competition and Trade, The International Trade Journal.

**LANGUAGES:** Greek, English, French

### FELLOWSHIPS AND AWARDS

1973-1975, Athens University of Economics and Business, Greece

1985-1987, University of Pittsburgh, USA

2013-2017, Erasmus Lifelong Learning Program, Teaching Staff Mobility Scholarship

### PUBLICATIONS

#### Refereed Books

1. "A Linear Rational Expectations Equilibrium Model of the American Petroleum Industry" in Kollintzas, T., ed. *The Rational Expectations Equilibrium Inventory Model: Theory and Applications*, Berlin:Springer-Verlag, pp.110-197, 1989 (with T. Kollintzas).
2. "Variance Bounds Tests of Inventory Behavior in Disaggregate Manufacturing Industries" (with M. Ghali), in Fiorito, R, ed. *Inventory Cycles and Monetary Policy*, Lecture Notes in Economics and Mathematical Systems, Berlin: Springer-Verlag, pp. 209-226, 1994.
3. "Trade with Central and Eastern Europe: The Case of Greece"(with K. Gatsios). in R. Faini and R. Portes, eds. *European Union Trade with Eastern Europe*, CEPR, pp. 123-166, 1995.

4. "An Empirical Investigation of Direct and Spillover Effects from Information and Communication Technology in Greek Industries" (with S. Papaioannou). In S. Balfoussias, P. Hatzipanayotou and C. Kanellopoulos, eds. *Essays in Economics, Applied Studies on the Greek Economy, 50 Years Anniversary Publication*, Centre of Planning and Economic Research, pp. 483-502, 2011.
5. "Technical Efficiency and the Role of Information Technology: A Stochastic Production Frontier Study across OECD Countries"(with S. Papaioannou). In S. Allegrezza and A. Dubrocard, eds. *Internet Econometrics*, Applied Econometrics Association Series, Palgrave Macmillan, pp. 43-65, 2012.

### Refereed Journals

6. "Economic Determinants of Age at First Marriage", *The Southern Review of Political Economy*, The University of Alabama, Vol. 3, pp. 17-36, Spring 1985.
7. "Modelling the Petroleum Industry: An Overview", *International Journal of Energy Systems*, Vol. 10 No. 1, pp. 28-32, May 1990.
8. "A Test of the Linear Rational Expectations Equilibrium Inventory Model in the EEC", *International Journal of Production Economics*, 26, pp. 25-32, 1992.
9. "Labour Force Participation and Earnings Functions of Women University Graduates in Greece: A Two-step Analysis" (with A. Petraki-Kottis), *International Journal of Manpower* Vol. 13, No. 9, pp. 47-64, 1992.
10. "Classical and Variance Bounds Tests of the Production Smoothing Hypothesis" (with M. Ghali), *International Journal of Production Economics* Vol. 35, pp. 15-22, 1994.
11. "Comparisons of Business Cycles in the EC: Idiosyncracies and Regularities" (with N. Christodoulakis and T. Kollintzas), *Economica*, Vol. 62, pp. 1-27, 1995.
12. "Business Cycle and Income Inequality in Greece" (with A. Livada), *The Cyprus Journal of Economics*, Vol. 8, No 1, pp. 23-40, June 1995.
13. "Stylized Facts of Economic Growth in after-war Greece," (with T. Kollintzas), *Economic Policy Studies* (in Greek), pp. 1-21, 1996.
14. "Cyclical and Causal Relations between Real Wages and Employment in the EU," *Applied Economics* Vol. 29, pp. 311-324, 1997.
15. "Inequality and Business Cycles in the US and European Union Countries" (with A. Livada), *International Advances in Economic Research*, Vol.5, Iss.3, pp. 321-338, August 1999.
16. "Inventory Investment over the Business Cycle in the EU and the US", *International Journal of Production Economics*, 71, pp. 1-8, 2001.
17. "Foreign Ownership and Production Efficiency: A Quantile Regression Analysis" (with H. Louri), *Oxford Economic Papers*, 54, pp. 449-469, 2002.
18. "Evaluating Productivity Growth Measures in the European Union" (with M. Dimopoulou), *Economics of Planning*, 35, pp. 161-181, 2002.

19. "Convergence of effective tax rates in the European Union," *Economic Policy Studies* (in Greek), pp. 1-21, 2002.
20. "Foreign Direct Investment and Technology Spillovers: Which Firms Really Benefit?" (with H. Louri), *Weltwirtschaftliches Archiv (Review of World Economics)*, 140(2), 2004.
21. "Prospects of the Greek Economy in the Post-Enlargement Era," *World Economy*, 27 (6), pp. 803-827, 2004.
22. "Efficiency Spillovers from Foreign Direct Investment in the EU Periphery: A Comparative Study of Greece, Ireland and Spain," (with S. Barrios, H. Louri and E. Strobl), *Weltwirtschaftliches Archiv (Review of World Economics)*, 140 (4), pp. 688-705, 2004.
23. "Tax policy and economic growth. A panel data analysis: 1970-2000," *Economic Policy Studies* (in Greek), 7, pp. 135-161, 2005.
24. "Spillovers from Foreign Direct Investment and Firm Growth: Technological, Financial and Market Structure Effects," *International Journal of the Economics of Business*, 12 (1), pp. 85-104, 2005.
25. "Information Technology and Productivity: A Cross Country Analysis: A Research note" (with S. Papaioannou), *International Advances in Economic Research*, 12 (1), pp. 142-143, 2006.
26. "Inventory Investment and Foreign Ownership in Greek Manufacturing Firms" (with M. Lyriotaki), *International Journal of Production Economics*, 108, pp. 8-14, 2007.
27. "Information Technology as a Factor of Economic Development: Evidence from Developed and Developing Countries" (with S. Papaioannou), *Economics of Innovation and New Technology*, 16 (3), pp.179-194, 2007.
28. "FDI and ICT Effects on Productivity Growth: A comparative analysis of developing and developed countries" (with S. Papaioannou), *European Journal of Development Research*, 22 (1), 79-96, 2010.
29. "ICT Growth Effects at the Industry Level: A Comparison between the US and the EU" (with S. Papaioannou), *Information Economics and Policy*, 23, 37-50, 2011.
30. "Technical Efficiency and the Role of ICT: A Comparison between Developed and Developing Countries"(with S. Papaioannou), *Emerging Markets, Finance and Trade*, 47, Supplement 3, 40-53, 2011.
31. "An Empirical Analysis of Inventory Productivity in Greek Retail Sector: 2000-2005" (with G. Koliass and V. Filios), *International Journal of Production Economics*, 133 (1), 143-153, 2011.
32. "Efficiency Measurement across Sectors of the Greek Economy: A Stochastic Production Frontier Analysis" (with S. Papaioannou), *Policy Studies for the Greek and International Economy*, 12, 47-60, 2012.

33. "Globalization and Income Inequality: A Panel Data Econometric Approach for the EU27 Countries" (with D. Asteriou and A. Moudatsou), *Economic Modelling*, 36, 592–599, 2014.
34. "Human Capital Effects on Technical Inefficiency: A Stochastic Frontier Analysis Across Industries of the Greek Economy" (with S. Papaioannou), *International Review of Applied Economics*, 28, 6, 797-812, 2014.
35. "Entry Regulation, Public Ownership and TFP Growth: Industry Level Evidence from South European Countries" (with S. Papaioannou), *The Manchester School*, 2015.
36. "What determines the growth of micro firms in the euro area?" (with I. Giotopoulos and H. Louri), *Economics and Business Letters*, 5, 4, 145-151, 2016.
37. "Can Firms Grow Without Credit? Evidence from the Euro Area, 2005-2011: A Quantile Panel Analysis" (with I. Giotopoulos and H. Louri), *Journal of Industry, Competition and Trade*, 17, 2, 153–183, 2017.
38. "Does upstream regulation matter when measuring the efficiency impact of information technology? Evidence across EU and US industries," (with S. Papaioannou), *Information Economics and Policy*, 41, 67-80, Dec. 2017.
39. "Does ISO 9000 certification matter for firm performance? A group analysis of Greek listed companies" (with Siougle, E. and C. Economidou), *International Journal of Production Economics*, April 2018.
40. "Does FDI increase productivity? The role of regulation in upstream industries, " (with S. Papaioannou), *World Economy*, November 2018.
41. "Banking concentration and firm growth: The role of size, location and financial crisis"(with I. Giotopoulos and H. Louri), *Bulletin of Economic Research*, January 2019.
42. Katarina Juselius and Sophia Dimelis . The Greek crisis: A story of self-reinforcing feedback mechanisms. *Economics: The Open-Access, Open-Assessment E-Journal*, 13 (2019-11): 1–22. <http://dx.doi.org/10.5018/economics-ejournal.ja.2019-11>.

#### PUBLISHED PAPERS IN PROCEEDINGS

43. "Labour Force Participation of Women Graduates in Economics and Business Administration in Greece: A Cross-sectional Analysis" (with A. Petraki-Kottis) in *Modelling the Labour Market: Proceedings of the Applied Econometrics Association*, Vol. 1, Strasbourg 1990.
44. "Stylized Facts of inventory behavior in Greek Manufacturing:1971-92", in Chikan, A., Milne, A., and L. Sprague (eds), *Reflections on firm and national inventories*,

Papers from the workshop on "Microfoundations of Macroeconomic Analysis of Inventories, August 1994, Lake Balaton, Hungary", Budapest, pp. 123-135.

45. "Business Cycles and Income Inequality in Greece" (with A. Livada), in A. Kintis: *The Present and Future of Greek Economy*, Athens University of Economics, Vol. B, Athens 1997.
46. "Labor Productivity and the Impact of Information and Communication Technologies: A Panel Data Analysis of Developed and Developing Countries" (with S. Papaioannou). *Proceedings of the NESIS Summative Conference Vol. II*, Athens 11-14 October, 2004.
47. "Information Technology as a Factor of Economic Development: An Application to OECD and EU countries" (with S. Papaioannou). *Proceedings of the 9<sup>th</sup> International Conference on Marketing and Development*, Thessaloniki June 8-11, 2005.
48. "Information Technology Growth Effects at the Industry Level: A Comparison between USA and Europe" (with S. Papaioannou). *Proceedings of the 10<sup>th</sup> International Conference of the Economic Society of Thessaloniki*, Thessaloniki, 2006.
49. "Inter-Industry Productivity Spillovers of IT and R&D: The Case of Greece" (with S. Papaioannou). *Global Business & Economics Anthology*, May 2009.
50. "An Empirical Analysis of Firm Performance under ISO 9000 Certification" (with E. Siougle and C. Economidou). 9th Annual Conference of the EuroMed Academy of Business: Innovation, Entrepreneurship and Digital Ecosystems, Warsaw, September 14-16, 2016.
51. "Banking concentration and firm growth: The impact of size, location and financial crisis"(with I. Giotopoulos and H. Louri), *International Conference on Applied Economics (ICOAE)* 63-72, Warsaw, July 5-7, 2018.

### **BOOKS (in Greek)**

52. "Main stylized facts of economic growth and business cycles in Greece" (with T. Kollintzas, K. Prodromidis, J. Chalikias, and N. Christodoulakis), 1992, IMOP, Athens.
53. "Business Cycles and Economic Growth in Greece and the EU" (with T. Kollintzas and N. Christodoulakis), 1996, IMOP, Athens.
54. "Modern Methods of Time Series Analysis and Forecasting", 3rd edition, Kritiki Publications, Athens, 2003.
55. "The Comparative Advantages of Greek Economy: An Aggregate and Sectoral Analysis, 1990-2001," Centre of Planning and Economic Studies, ΚΕΠΕ, No. 53, Athens 2004.
56. "Macroeconomic Measures and Growth of the Greek Economy", ΟΠΑ Publications, Athens 2010.

57. "Modern Methods of Time Series Analysis and Forecasting", ΟΠΑ Publications, Athens, 2013.

#### **DISCUSSION PAPERS AND TECHNICAL REPORTS**

58. Comparisons of Business Cycles in Greece and the EC: Idiosyncracies and Regularities (with N. Christodoulakis και T. Kollintzas). Center for Economic Policy Research, CEPR Discussion Paper No. 809, July 1993.
59. Trade with Central and Eastern Europe: The Case of Greece (with K. Gatsios). Center for Economic Policy Research, International Trade, CEPR Discussion Paper No. 1005, September 1994.
60. Business cycle characteristics of income inequality: Evidence from Greece, Athens University of Economics and Business, Department of Statistics, Discussion Technical Report No 6, 1994 (with A. Livada).
61. Survival and Growth of New Entrants in Greek Manufacturing: 1982-92, ΠΕΝΕΔ, March 1998 (with H. Louri and G. Fotopoulos) –in Greek.
62. Foreign Direct Investment and Efficiency Benefits: A conditional quantile analysis (with H. Louri). CEPR Discussion Paper No. 2868, June 2001.
63. Efficiency spillovers from foreign direct investment in the EU periphery: A comparative study of Greece, Ireland and Spain (with Salvador Barrios, Helen Louri and Eric Strobl). FEDEA Working Paper 2002-02 ([infpub@fedea.es](mailto:infpub@fedea.es)).
64. Technical efficiency and the role of information technology: A stochastic production frontier study across OECD countries"(with S. Papaioannou), Centre of Planning and Economic Research Discussion Paper 109, 2010.
65. Rent-seeking competition from state coffers in Greece: A calibrated DSGE model (with K. Angelopoulos, A. Philippopoulos and V. Vassilatos), Bank of Greece Working Paper 120, November 2010.
66. Human capital effects on technical inefficiency : A stochastic frontier analysis across sectors of the Greek economy (with S. Papaioannou), Centre of Planning and Economic Research Discussion Paper 131, October 2013.
67. Public ownership, entry regulation and TFP growth within a productivity convergence model: Industry level evidence from South European countries (with S. Papaioannou). Centre of Planning and Economic Research Discussion Paper 132, 2013.
68. Income inequality and macroeconomic activity in Greece (with Christis K., Livada A. and S. Dimelis). Athens University of Economics and Business, Department of Statistics, Technical Report 263, 2013.
69. Credit crunch and firm growth in euro-area: 2005-2011: A Quantile Panel Analysis (with I. Giotopoulos and H. Louri). Bank of Greece Working Paper 165, December 2013.

70. Efficiency impact of ICT and the role of product market regulation: Sectoral analysis across a panel of European countries (with S. Papaioannou), Centre of Planning and Economic Research Discussion Paper No. 136, Athens 2014.
71. Can Firms Grow Without Credit? Evidence from the Euro Area, 2005-2011: A Quantile Panel Analysis (with I. Giotopoulos and H. Louri). GreeSE Paper No. 89, Hellenic Observatory Papers on Greece and Southeast Europe, London School of Economics, February 2015.
72. The Greek crisis: A story of self-reinforcing feedback mechanisms (με Katarina Juselius). *Open-Assessment E-Journal* Discussion Paper No. 2018-65, September 13, 2018, <http://www.economics-ejournal.org/economics/discussionpapers/2018-65>.

### RESEARCH PROJECTS

1. "Labour Force Participation of Women Graduates in Economics and Business Administration in Greece: A Cross-sectional analysis," **KOE Research Institute**, Athens University of the Economics and Business, 1990.
2. "The construction of a Data Bank for the Macroeconomic Analysis of the Greek Economy," **KOE Research Institute**, Athens University of the Economics and Business, 1991.
3. "The Main Stylised Facts of Economic Growth and Business Cycles in post-war Greece," **KOE Research Institute**, Athens University of the Economics and Business, 1992.
4. "The analysis of Inventory Behaviour over the Business Cycle in Greece and the EU Economies," **KOE Research Institute**, Athens University of the Economics and Business, 1992.
5. "Survival Analysis and Growth of New Enterprises in Greek Manufacturing: 1982-1992", PENED #389, Greek Ministry of Finance, 1993.
6. "Trade with Central and Eastern Europe: The case of Greece", CEPR research program on the External Trade of Central and East European Countries," **PHARE program, European Commission**, 1993-95.
7. "The Integration of Countries in Different Stages of Development: Greece in the EC," **SPES-CT91-0066**. Coordinators George Alogoskoufis and H. Polemarchakis, 1993-94.
8. "Trade with Central and Eastern Europe: The case of Greece", CEPR research program on the External Trade of Central and East European Countries, European Commission Grant under the PHARE program, Coordinators: K. Gatsios and S. Dimelis, 1993-94.
9. "A Panel of Firms: A Longitudinal Inter-regional Microeconomic Study on Competitiveness," **SPES-CT91-0074, European Commission**. Coordinators: E. Drandakis and T. Kollintzas, 1996-97.
10. "New Approaches to the study of Economic Fluctuations." **Training and Mobility of Research, TMR Program No ERBFMRXCT – 980213**. Network Coordinator: **Juan Dolado** Universidad Carlos III, Madrid, 1998-2001.



11. "An Investigation of the Impact of Financial Indicators on the Growth of OECD Countries, **KOE Research Institute**, Athens University of the Economics and Business, 2000.
12. "Foreign Direct Investment and Multinational Corporation: New Theories and Evidence" **Training and Mobility of Research**, TMR Program No ERBFMRXCT – 980215. Network Coordinator: **Tony Venables**, London School of Economics, London, 2002-2004.
13. "The Comparative Advantages of the Greek Economy in the 1990s", **Center of Planning and Economic Studies**, EP-1001-01, ΚΕΠΕ, 2002-2003.
14. "A Multifactorial Analysis of Dentofacial Problems in Children: a four-year Prospective Study with Panel Data", 2000-2004.
15. "A Study on the Prospects for Growth of the Greek Economy", **FRONTIER ECONOMICS Ltd London**, UK. Part of the Development Program of Greece 2007-2013, financed by the Ministry of Finance, 2005-2006.
16. "The Comparative Advantages of Greek Manufacturing Sectors and the New Industrial Policy," **ICAP A.E. Research and Investment Co.**, 2007-2008.

#### **OTHER ACTIVITIES**

- ◆ Participant in a large number of international conferences.
- ◆ Invited speaker in various seminars and workshops (indicative, from 2000 onwards):
  - New Approaches to the Study of Economic Fluctuations: A CEPR and Center of Economic Studies Workshop, Hydra, Greece, May 1999 and May 2000.
  - Seminar on the role of ICT in reducing inefficiencies in OECD countries, Monash University and University of Adelaide, Australia, November 2010.
  - Seminar on "The technical efficiency gains in European service sectors: The role of ICT and Product Market Regulation," Birkbeck College, Department of Management, University of London, UK, June 2013.
  - Seminar on "An outlook of the Greek Economy: From growth to crisis: What's after?" Vienna University of Economics and Business, Vienna, Austria, March 2014.
- ◆ Supervision of a large number of Master and PhD students.
- ◆ External Evaluator, Framework Research Programmes FP7, European Commission.
- ◆ Evaluator of proposals to Research Programmes, Greek General Secretary of R&D and other Research Centers.
- ◆ Member of the Selection Committee for Fulbright Scholarships and Graduate Studies in Humanities and Social Sciences, 2013.
- ◆ External Evaluator, HORIZON 2020, European Commission, 2014-2016.
- ◆ External Evaluator, Agency of Quality Assurance and Accreditation in Higher Education of Cyprus, September 2016.

**ACADEMIC CITATIONS**

Over 1490 citations to the academic publications  
(Google scholar h-index= 17, i10-index = 18)