



## CURRICULUM VITAE

### **ZOE A. GEORGANTA**

Professor of Applied Econometrics and Productivity

Department of Applied Informatics  
University of Macedonia  
Economic and Social Sciences  
156 Egnatia St, Thessaloniki 54006  
Phone: 0030 2310-891884  
zoe@uom.gr

5 Lelas Karagianni Street  
Thessaloniki 54248  
0030 2310-859651

#### **I. EDUCATION**

1. Ph.D. in Applied Econometrics, University of Leeds, School of Economics  
Economic Statistics, UK, 1980.

Doctoral Thesis:

A Quarterly Econometric Model of the Balance of Payments of Greece.

Supervisor: Professor C.E.V. Leser,

Professor of Econometrics, and Professor Emeritus of Econometrics.

2. M.A. in Economic Statistics, University of Leeds, School of Economics  
Economic Statistics, UK, 1976.

Subjects Studied: Advanced Econometric Theory, Applied Econometrics,  
Advanced Statistical Theory, Applied Statistics, Cost Benefit Analysis, Welfare  
Economics.

3. B.A. in Economics, Athens University of Economics and Business, 1971.
4. Post Graduate Institute in Business Administration, Athens University of Economics and  
Business. Protocol No. 12264, 1974.
5. UNIDO (United Nations Industrial Organization) Certificate – KEPE (Center of Planning  
and Economic Research) in Analysis and Evaluation of Investment Projects, Prof. Paul-  
Andre Rey, 1984.
6. Academic Diploma B' Positive Sciences, 1966.

FOREIGN LANGUAGES: English: perfect

Certificates:

- Cambridge University, Certificate of Proficiency in English, British Council, 1974.
- Michigan University, Certificate of Proficiency, Hellenic-American Union, 1973.
- Cambridge University, Lower Certificate in English, British Council, 1969.

## II. EMPLOYMENT

|                               |   |
|-------------------------------|---|
| 2003 - today                  | <u>Professor</u> of Applied Econometrics and Productivity<br>Department of Applied Informatics<br>University of Macedonia Economic and Social Sciences  |
| 2010 August –<br>2011 October | <u>Member</u> of the Hellenic Statistics Authority EL.STAT. approved by the<br>Greek Parliament as nominated by the Minister of Finance   |
| 2009 October<br>2010 April    | <u>Visiting Scholar</u> Cambridge University - UK, Faculty of Economics<br>Statistical Measurement Issues in Electronic Commerce  |
| 1995-2003                     | <u>Associate Professor</u> of Applied Econometrics and Productivity<br>Department of Applied Informatics<br>University of Macedonia Economic and Social Sciences  |
| 2000-2001                     | <u>Visiting Scholar</u> Harvard University, Department of Economics and<br>NBER, Cambridge MA, USA.<br>Statistical Measurement Issues in Producer Prices, Productivity and<br>Technology.   |
| 1996-2000                     | <u>Senior Consultant and Project Manager</u> , Ministry of Development<br><u>Responsibility:</u> Competitiveness SME (Small and Medium Enterprises)   |
| 1996-1998                     | <u>Senior Consultant and Project Manager</u> , SBBE (Federation of Industries<br>of Northern Greece)<br><u>Responsibility:</u> Competitiveness of SME.  |
| 1992-1995                     | <u>Assistant Professor</u> of Econometrics<br>Department of Applied Informatics<br>University of Macedonia Economic and Social Sciences   |
| 1993-1994                     | <u>Visiting Scholar</u> , Harvard University, Department of Economics and<br>NBER (National Bureau of Economic Research), Cambridge MA, USA.<br>Data Mining and Statistical Measurement Issues of Quality Change<br>Effects on Prices, Productivity Change and Technology.                |
| 1990-1993                     | <u>Senior Consultant</u> , Regional Office of Central Macedonia<br><u>Responsibilities:</u><br>(1) Information Systems of statistical observation of the labor market<br>(2) Business Software<br>(3) Evaluation of Vocational Programs<br>(4) Price Indices and Productivity Measurement |

- 1990-1993 Senior Consultant, Cambridge Econometrics  
Responsibilities: Regional Growth of European Cities
- 1990-1992 Assistant Professor of Econometrics  
Department of Economics  
University of Macedonia Economic and Social Sciences
- 1992  
(Dec.-April) Consultant for Statistical Surveys and Macroeconomic Planning, Royal Government of Bhutan, Planning Commission.
- 1990Dec.-June Teaching Assistant (sophomores), Harvard University, Department of Economics, Cambridge MA, USA.  
Productivity and Technological Change
- 1989-1990 Visiting Scholar, Harvard University, Department of Economics, Cambridge MA, USA.  
Income and Productivity Measurement
- 1981-1990 Scientific Researcher KEPE  
Areas of responsibility: Econometrics, Statistics, Productivity, Industrial Studies, 5year Plans of Economic Development, short-term Forecasting.
- 1986-1988 Professor of Statistics and Econometrics  
Athens Post Graduate School of Public Administration.
- 1987-1988 Senior Consultant, Ministry of Youth. Program for the Promotion of Entrepreneurship of Young People  
Responsibilities: Statistical and Econometric analysis.  
(Approval of KEPE, Gov. Board meeting 2/3.2.87, Subject 13)
- 1985-1987 Visiting Professor of Statistics and Econometrics, Quantitative analysis of Manpower planning, Athens Technological Institute (TEI).
- 1983-1985 Senior Consultant, OECD, Paris.  
Responsibility: Regional and Urban Economic Development.
- 1974-1981 Research Assistant KEPE  
Areas of responsibility: Statistics, Econometric Analysis of Monetary Issues, Short-term Forecasting.
- 1979-1980 Teaching Tutor in Statistics, University of Leeds UK, School of Economics, Department of Economic Statistics.
- 1977-1979 Teacher of modern Greek, International Language Institute Berlitz, Leeds, UK.
- 1972-1974 Teacher of English as a foreign language, Schools HOMER, Athens.
- 1969-1972 Civil Servant of the Public Power Corporation, Department of Financial Services, appointment after successful sitting of national exams.

### **III. SCHOLARSHIPS AND RESEARCH FUNDING**

|                                     |  |
|-------------------------------------|--|
| 2009 October<br>2010 April          | Scholarship. UNIVERSITY OF MACEDONIA<br>Study: Statistical Measurement of Electronic Commerce  |
| 2006 January<br>2009 June           | Funding. EU (European Union) and GSRT (Hellenic General Secretariat of Research and Technology)<br>Study: Measurement of the Internet Economy.                         |
| 2003-2005                           | Funding. EU – MINISTRY OF EDUCATION<br>Teaching and Training: Promotion of Entrepreneurship by integrating decision support analysis and education in consulting.      |
| 2002-2005                           | Funding. EU – MINISTRY OF EDUCATION<br>Study: Evaluation and Restructuring of Curricula in Applied Informatics.  |
| 1996-2002                           | Funding. EU – MINISTRY OF DEVELOPMENT – PRIVATE BUSINESS FIRMS<br>Study: Competitiveness and Industrial Clusters (Protocol No.126)                                     |
| 2000-2001                           | Scholarship. UNIVERSITY OF MACEDONIA<br>Study: Errors of Measurement and Productivity/RND relationship   |
| 1994-1999<br>(Summer Terms)         | Funding. NSF (National Science Foundation) USA<br>Study: Errors of Measurement in Output Deflators   |
| 1996-1998                           | Funding. EU PROGRAM TSER (Targeted Socioeconomic Research)<br>Study: Innovation, R&D and Productivity No.4141PL951081.   |
| 1996-1998                           | Funding. EU – SBBE (Federation of Industries of Northern Greece) – MINISTRY OF LABOR<br>Study: Construction of a Databank in ORACLE for Greece's manufacturing sector. |
| 1993 October<br>1994 February       | Scholarship. UNIVERSITY OF MACEDONIA<br>Study: Income Measurement and Productivity.  |
| 1993 Januar-Sept<br>1994 March-Dec. | Funding (travel expenses and Ph.D. students' funding).<br>EU HUMAN CAPITAL AND MOBILITY<br>Area of Study: Business Administration and Total Quality Management         |
| 1991-1992<br>(Summer Terms)         | Funding. NSF (National Science Foundation) USA<br>Study: Errors of Measurement in Output Deflators   |
| 1990-1992                           | Funding. CAMBRIDGE ECONOMETRICS LIMITED, Cambridge UK.<br>Study: Regional Growth of European Cities, ATHENS.   |

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| 1988-1989 | Scholarship. KEPE<br>Study: PPI (Producer Price Index)   |
| 1984-1986 | Funding. Athens TEI (Technological Institute)<br>Study: Manpower Planning in West Attica.  |
| 1977-1980 | Scholarship. KEPE<br>Study: Doctoral Thesis in Applied Econometrics<br>University of Leeds UK, School of Economics, Economic Statistics      |
| 1975-1976 | Scholarship. KEPE<br>Study: Post Graduate studies in Economic Statistics<br>University of Leeds UK, School of Economics, Economic Statistics |

**IV. PROJECT MANAGER AND/OR SCIENTIST RESPONSIBLE  
OF THE FOLLOWING PROJECTS/PROGRAMS:**

- (1) Project: *Evaluation and Assessment of Applied Informatics*. (2005-2010)  
UNIVERSITY OF MACEDONIA  
  
Program: *Measurement and Analysis of the Digital Economy in Greece – Strategies of e-Markets and Innovation Management*. (2006-2009)
- (2) EU-OP (Operational Program) Competitiveness, Axis 8, Action 8.3.1. Development of Human Research & Technology Resources  
EU – GSRT Code 03EΔ885  
  
Project: *Entrepreneurial Innovation, Innovation Management, E-Commerce*. (2003-2005)
- (3) Part of the Program ANEMOESA (Training Consultants to promote entrepreneurship)  
EU- MINISTRY OF EDUCATION, Education and Primary Vocational Training, Axis 3.  
  
Project: *Restructuring the Curricula (Macroeconomic Models and Policies, Econometrics, Entrepreneurial Innovation and Productivity)*. (2002-2005)
- (4) EU – MINISTRY OF EDUCATION, Education and Primary Vocational Training, Axis 2.  
  
Project: *Creating Competitive Advantages in the Metalworking Sector. Establishing the Cluster ΔIMETKA in the metalworking sector of the prefectures of Kozani and Volos*. (1997-2002)
- (5) EU – MINISTRY OF DEVELOPMENT European Initiative for SME – Clusters Sub-Program 1, Measure 1, protocol No. 126.

- (6) Project: *Creation of a Databank for the PPI (Producer Price Index) at the 7-digit level of SIC (Standard Industrial Classification) in the manufacturing sector of the USA – new products – for the years 1972, 1977, 1982.* (1994-2000)  
NSF (National Science Foundation) USA, INCOME AND PRODUCTIVITY MEASUREMENT NBER.
- (7) Project: *Measurement of Innovation in Greece.* (1996-1998)  
Part of the Program TSER(TARGETED SOCIO-ECONOMIC RESEARCH) European Innovation, R&D and Productivity Network.No. (4141PL951081).  
EU - IFS (The Institute for Fiscal Studies) University College, London, UK.
- (8) Project: *Creation of SHBIT ( Continuous Electronic Manufacturing Databank) .*(1996-1998)  
EU – SBBE – MINISTRY OF LABOR  
ADAPT-PROMODEL\_NEW PRODUCTION MODELS IN EUROPEAN INDUSTRY, No 182924/15.9.95.
- (9) Project: *Exploring Possibilities for Cluster 7 (Metal-works of Kozani and Volos).* (1995-1997)  
EU – MINISTRY OF INDUSTRY RESEARCH AND TECHNOLOGY  
Operational Program for Industry: THE FUTURE OF THE GREEK INDUSTRY. Sub-program 6, Measure 1, Action 3.
- (10) Project: *Competitiveness in a Knowledge Society.*(1993Jan.-Sept, 1994 Mar. –Dec.)  
EU – University of Lancaster, UK. HUMAN CAPITAL AND MOBILITY.
- (11) Project: *Economic Growth of Athens* (1990-1993).  
CAMBRIDGE ECONOMETRICS LIMITED, Cambridge UK  
DEVELOPMENT OF EUROPEAN CITIES
- (12) Project: *Statistical and Econometric Analysis for the program Developmental Possibilities in the Islands of Eastern Aegean – The Contribution of the Greek Diaspora* (1987-1988)  
GSRT. PROPE (Program of Specially Oriented Research)
- (13) Project: *A Statistical Survey for the project Interrelationship of City planning Upgrading and the Function of Small and Medium Manufacturing Firms* (1986-1987)  
GSRT – TECHNICAL UNIVERSITY OF ATHENS  
(with **Prof. Vassenhoven**) ECONOMIC AND CITYPLANNING
- (14) Project: *Entrepreneurship of Young People: Statistical Survey and Establishment of the Company ETEPAP (Company of Entrepreneurship and Productive Initiatives)* (1986-1987). In collaboration with **Richard S. Lissak**.  
UNIDO (United Nations Industrial Development Program) and MINISTRY OF YOUTH (DP/GRE/86/OO9/11-01/J12103)

- (15) Project: *Connecting Education and Production in Western Attica: Theoretical Framework and Statistical/Econometric Analysis* (1984-1986)  
 MINISTRY OF EDUCATION – TECHNOLOGICAL INSTITUTE of  
 ATHENS (TEI) EDUCATIONAL AND MANPOWER PLANNING
- (16) Project: *The Region of Crete* (1982-1986)  
 KEPE – MINISTRY OF NATIONAL ECONOMY. 5YEAR PLAN OF  
 REGIONAL DEVELOPMENT OF GREECE 1982-1987.
- (17) Study: *National and Regional Development of Greece, Lamia and its Hinterland* (1983-1985). In collaboration with **Richard S. Lissak**.  
 OECD – KEPE. REGIONAL AND URBAN ECONOMIC DEVELOPMENT

## V. UNIVERSITY COURSES TAUGHT

1. Statistics
2. Econometrics
3. Measurement and Analysis of Productivity and Efficiency
4. Macroeconomic Models and Policies
5. Microeconomic Decision Making
6. Special Topics in Econometrics (Macro Models for Forecasting, Box-Jenkins Time Series Models, Policy Simulations)
7. Latent Variable Models
8. Entrepreneurial Innovation: Innovation Management
9. Business Ethics, Economic Ethics
10. Digital Economics (postgraduate level)
11. Systems of Entrepreneurial Innovation (postgraduate level)

## VI. SUPERVISION OF DISSERTATIONS (selection)

1. Creation of a Data Base for the Greek Manufacturing Sector, 1980-1990.
2. Quantitative Analysis of Total Factor Productivity Indices, Food Industry, 1980-1990.
3. Quantitative Analysis of Total Factor Productivity Indices, Industry of Chemical Products, 1980-1990.
4. Quantitative Analysis of Total Factor Productivity Indices, Textiles, 1980-1990.
5. Sampling Survey and Analysis of the Software Market in Greece, 1998.
6. Sampling Survey and Creation of a Data Base of the Demand for Informatics Graduates in Greece, 1997.
7. Sampling Survey of the Demand for Informatics Graduates in Greece, 2003.
8. Demand Functions for Agricultural Products, 1980-1990.
9. The LISREL Models: Theory and Applications.
10. Economic Activity of Electronic Firms in Greece, 2003-2006.

11. Statistical Analysis of the Energy Sector in Greece, 2000-2009.
12. Information Systems Design for the Health Sector (postgraduate dissertation).
13. Knowledge Economy and Innovation: Innovation Policies in the EU (postgraduate dissertation).
14. Measurement Framework of the Internet Economy in Greece (postgraduate dissertation)
15. A Business Plan for St Paul Hospital in Thessaloniki (postgraduate dissertation)

## **VII. SUPERVISION OF DOCTORAL THESES**

1. The ICTs in the Mathematics Teaching Process of the Secondary Education: An Ecological Approach. (2010)
2. Measuring the Impacts of Training Programs on Employment: The Case of West Macedonia, 1999-2001. (2010)
3. Effects of Competitive Strategies on the Performance of Electronic Firms in Greece, 2003-2006. (2009)
4. Measurement and Statistical Analysis of the Digital Economy in Greece, 2003-2006: Development of a Data Base Algorithmic Tool for the Economic Activity Classification. (2009)
5. Tourism Policy, Possibility and Service Quality management in Nepal, 2006. (2008)
6. Statistical and Econometric Analysis of Public Deficits in Greece, 1990-2005 (2007).
7. Management of Digital Libraries in Greece (in progress)
8. Electronic Participation in Greece (in progress)
9. The Impacts of Electronic Commerce on the Greek Economy (in progress)
10. Cost Accounting at the Micro- and Macro-Level (in progress)
11. Electronic Crime (in progress)

## **VIII. PUBLICATIONS**

### **A. SCIENTIFIC BOOKS**

- (1) Georganta, Z. "Strategic Management in IT-Driven Businesses: Theory and Measurement", Chapter (38 pages) in *Information Technology in Management*, INREWI Publications (forthcoming)
- (2) \_\_\_\_\_ *Macroeconomic Models and Policies, Vol I: Theory and Applications. Thessaloniki: Barbounakis, 2008. (in Greek) (Text Book, 259 pages)*
- (3) \_\_\_\_\_ *Econometrics, Vol.1: The Classical Linear Model Extensions and Violation of Basic Assumptions. Thessaloniki: Barbounakis, 2008. (in Greek) (Text Book, 298 pages)*



- (4) Georganta, Z. *Entrepreneurial Innovation – Innovation Management*. Thessaloniki: Anikoula, 2003. (in Greek)  
(Research Monograph, 300 pages)
- (5) \_\_\_\_\_ *The Approach of Box-Jenkins in Analysing and Forecasting Economic Time Series*. Athens: KEPE, 1987. (in Greek)  
(Research Monograph, 303 pages).
- (6) Georganta, Z. and S. Robolis. *The Passenger Car Industry in Greece*. Athens: KEPE 1986. (in Greek)  
(Research Monograph, 318 pages).
- (7) Georganta, Z., Th. Papatheodosiou, and a Research Group. *Region of West Attica: Educational Planning 4 Volumes*. Athens: TEI, 1985, 1986, 1987, 1989. (in Greek) (Research Monograph, 400 pages).
- (8) Georganta, Z, K. Manos, V. Notis, S. Robolis and D. Sakkas. *Foreign Investment in Greece*. Athens: KEPE 1986. (in Greek)  
(Research Monograph, 213 pages).
- (9) Georganta, Z. *Local Government Enterprises in the Area of Lamia – Greece*. Paris: OECD 1985, UP/E5(85)10.  
(Treatise, 30 pages).
- (10) \_\_\_\_\_ *Urban Economic Development: Lamia and its Hinterland*. Paris: OECD, 1984, UP/E(84)35, Scale D.  
(Treatise, 100 pages).
- (11) Lissak, S. R. and Z. Georganta. *Policies and Programmes of Regional and Urban Economic Development in Greece*. Paris: OECD, 1983, UP/E(83)1, Scale D. (Treatise, 100 pages).

## **B. SCIENTIFIC PAPERS**

- (1) Georganta, Z. “Greek Fiscal and Financial Data: More than Meets the Eye” *Journal of Engineering Science and Technology Review*, (forthcoming)
- (2) Georganta, Z. and K. Keramida “Latent Variable Modeling within an Ecosystem Approach: ICT Use at Schools” *Journal of Engineering Science and Technology Review* (forthcoming)
- (3) Georganta, Z. and M. Vogiatzi “Competitive Strategies in the Digital Age: The Case of Small Electronic Companies in Greece.” *SPOUDAI* (forthcoming) (in Greek)
- (4) \_\_\_\_\_ “The Effects of Information and Communication Technologies on e-Business Performance: Designing a Path Analysis Framework” *Journal of Information Technology Impact*, Vol.10, Issue 3, 2010.

- (5) Georganta, Z. and J. Chassid. "European Industrial Policy and Policy of Research and Technology." In EPEES, *Introduction in European Studies*, Vol. Vol. B. Athens: Sideris, 2007 and 2001. (in Greek)
- (6) Georganta, Z. and D. W. Hewitt. "Information Economy and Educational Opportunities: A Latent Variable Model of Learning Skills". *Frontiers in Education*. IEEE Savannah, USA, 2004. (available at <http://fie.engrng.pitt.edu/fie2004>)
- (7) Georganta, Z. "The Systemic Functioning of Innovation in the New Economy: A Concept Mapping Approach." Thessaloniki: *Scientific Annals*, University of Macedonia, 2005.
- (8) \_\_\_\_\_ "Latent Variable Models in Economics." In T. P. Lianos (ed). *Essays in Economic Analysis*. Athens: KEPE, 2004. (111-126)
- (9) \_\_\_\_\_ "Latent Variable Modeling of Price-Change in 295 Manufacturing Industries." *Applied Stochastic Models In Business and Industry*, Vol.19, Issue 1, 2003.
- (10) \_\_\_\_\_ "The Effect of a Free Market Price Mechanism on Total Factor Productivity: The Case of the Agricultural Crop Industry in Greece." *International Journal of Production Economics*, Vol. 52, Nos.1-2, 1997.
- (11) \_\_\_\_\_ "Measuring Productive Efficiency: An Econometric Survey." Thessaloniki: *Scientific Annals*, University of Macedonia, 1997.
- (12) \_\_\_\_\_ "A Note on Detecting Multicollinearity." *The Indian Economic Journal, Mathematical and Quantitative Methods*, Vol.43, No.4, April-June, 1996, 152-154.
- (13) \_\_\_\_\_ "Errors of Measurement in the Indices of Industrial Production in Greece." Thessaloniki: *Scientific Annals, University of Macedonia*, Vol. 11, 1993, 135-164.
- (14) \_\_\_\_\_ "The Usefulness of Box-Jenkins Models for Short-Term Forecasting." Athens: *Scientific Annals, Pantion University of Athens*, 1992, 395-424.
- (15) \_\_\_\_\_ "Regions of Greece, City 17 – Athens." In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Summer 1992, 147-154.
- (16) Georganta, Z. within a study group. "The Overview of European Regional Prospects." In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Summer 1992, 1-48.
- (17) Georganta, Z. within a study group. "The Overview of European Regional Prospects." In *European Regional Prospects*, Cambridge UK:

*Cambridge Econometrics*, Summer 1991, 1-47.

- (18) Georganta, Z. "Regions of Greece, City 16 – Athens." In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Summer 1991, 141-148.
- (19) \_\_\_\_\_ "The Capital Regions of Europe, City 2 - Athens." In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Autumn 1991, 53-54.
- (20) Georganta, Z. within a study group "European Regional Projections to 1995 – An Overview." In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Autumn 1991, 25-38.
- (21) \_\_\_\_\_ "European Regional Growth in the 80's." In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Autumn 1991, 1-14.
- (22) Georganta, Z. and S. Robolis "Public Investment Intervention in the Automobile Industry in Greece." In the Book, *The Problems of the Public Sector and its Role within the National Economy*. (in Greek) Athens:OEE (Economic Chamber of Greece),1985, 548-595.
- (23) \_\_\_\_\_ "The Role of Multinationals in the Creation and Development of the Automobile Industry in Underdeveloped Countries." In the Book, *Problems of the Greek Economy*. Athens, Athens University of Economics and Business, 1984, 160-164. (in Greek)
- (24) Georganta, Z. "Educational Planning: The Case of West Attica." *Technological Bulletin EDIKTI*. Athens: TEI 1988. (in Greek)

### **C. SCIENTIFIC ABSTRACTS**

- (1) Georganta, Z. "Multicollinearity Reconsidered", *17<sup>th</sup> Panhellenic Conference on Statistics*, Greek Statistical Institute, April 2004.
- (2) \_\_\_\_\_ "A MIMIC Model of Recessionary Price Movements in the US Manufacturing Sector, 1977-1982." *Econometrica* EC49, 66, Winter 1994.
- (3) \_\_\_\_\_ "Endogenous Total Factor Productivity in A Medium-Run Model of Output Deflators with Latent Variables." *Econometrica* EC62, 30, Winter 1993.
- (4) Georganta, Z. and D. Siegel "Errors in Output Deflators Revisited: Unit Values and the PPI." *NBER Reporter*. Cambridge MA: NBER, Winter 1989-90.

#### D. TECHNICAL REPORTS AND DISCUSSION PAPERS

- (1) Georganta, Z., H. Kandilorou, and A. Livada “Tracing Learning and Study Skills in Economic and Business Studies: A Statistical Survey.” Technical Report [243]. *Athens University of Economics and Business*, 2009.
- (2) Kandilorou, H., Z. Georganta and A. Livada “Are the students of Economics equipped with the required learning skills?” *T.R.* [236]. Department of Statistics, *Athens University of Economics and Business*, 2009.
- (3) Georganta, Z., M. Kounaris and K. Kotsis “Measurement of Total Factor Productivity in the Manufacturing Sector Of Greece.” *Discussion Paper* [No. 35.] Athens: *KEPE*, June 1994.
- (4) Georganta, Z. “Accession in the EC and its Effect on Total Factor Productivity Growth of Greek Agriculture.” *Discussion Paper* [No.28.] Athens: *KEPE* Nov.1993.
- (5) \_\_\_\_\_ “The Effect of a free Market Price Mechanism on Total Factor Productivity: The Case of the Agricultural Crop Industry in Greece.” *Discussion Paper* [No. 26.] Athens: *KEPE* Nov. 1993.
- (6) \_\_\_\_\_ “Technical (In)Efficiency in the US Manufacturing Sector, 1977-1982.” *Discussion Paper* [No. 30.] Athens: *KEPE* Nov. 1993.

#### E. PAPERS IN CONFERENCE PROCEEDINGS

- (1) Kandilorou, H., Z. Georganta and A. Livada “A Statistical Analysis of Learning Skills: The Case of Students in Economics.” 67<sup>th</sup> *International Atlantic Economic Conference*, 2009. Rome Italy [A20-1(1880)].
- (2) \_\_\_\_\_ “Great Expectations vs. Skills in Studying and Learning: The Case of Second Year Students of Economics and Business”. Technical University of Lamia, Aristotelian University, University of Thessaly, 1<sup>st</sup> Scientific Conference. “*The Role of Institutions in the Performance of the Economy.*” Amfissa, 17- 18 April 2008.
- (3) Georganta, Z., H. Kandilorou and A. Livada “A latent variable model for Australian students’ creativity”, 21<sup>st</sup> International Workshop on Statistical Modelling. John Hinde, Jochen Einbeck, John Newell editors, 257-262. Galway, Ireland, 2006.
- (4) \_\_\_\_\_ “A Latent Variable Model of Creativity and Social Compromise”. 19<sup>th</sup> *International Workshop on Statistical Modelling*. Firenze University Press, 415-419. Florence

Italy, 2004.

- (5) Georganta, Z. “Comparing Tests for the Existence of Multicollinearity”. 16<sup>th</sup> *Conference of the Hellenic Statistical Institute*, Kavala Greece, 2003.
- (6) Georganta, Z. “A Modeling Exercise of Price and Quality Change” *Eurostat*, International Seminar on New Techniques & Technologies for Statistics NTTS'98, Sorrento, Italy, 1998.
- (7) \_\_\_\_\_ “A Medium-Run Competitive Equilibrium Latent Variable Model.” *Applied Stochastic Models and Data Analysis VIII* International Symposium, Anacapri, Italy, June 1997.
- (8) Georganta, Z., A. Hatziparadisis and P. Panousis “Size and Innovation Activity: The Greek Case.” *Applied Econometrics Association 54th* International Conference, session on Econometrics of Innovation, Luxembourg, November 1996.
- (9) Georganta, Z. and A. Alexandridis “Comparing Regression Coefficients in Linear Nested Models.” Hellenic Statistical Institute, 9<sup>th</sup> Conference on Statistics, 1996.
- (10) Georganta, Z. “Modelling Input Substitution Effects in the Agricultural Sector of Greece, 1974-1989.” *Economic Modeling International Conference* (and *International Congress in Applied Economics*), University of Pireas 1996, 57-68.
- (11) \_\_\_\_\_ “Demand and Cost Effects on Prices: The US Manufactures, 1977-1982.” *Western Economic Association, Productivity Modeling* [179], San Diego USA, July 1995.
- (12) \_\_\_\_\_ “Measurement of Total Factor Productivity in Greek Manufacturing during the 1980s”. Greek Center of Productivity Conference *ELKEPA (Hellenic Center of Productivity)*, Thessaloniki 1994.
- (13) \_\_\_\_\_ “Productive Efficiency: Application of Econometric Techniques” *Western Economic Association 69th Annual Conference*, session on *Econometric Modeling* [78], Vancouver, Canada, July 1994.
- (14) \_\_\_\_\_ “Measuring Technical Efficiency in US Manufacturing Industries.” *Northeast Business and Economics Association 20th Anniversary*, v, 73-74, Boston USA, October 1993.
- (15) \_\_\_\_\_ “The Effect of a Free Market-Price Mechanism on Total Factor Productivity: The Case of the Agricultural Crop Industry in Greece.” *Proceedings 930529. 8<sup>th</sup> World Productivity Congress: Technical and Economic Change in Agriculture*. Stockholm, 1993.
- (16) \_\_\_\_\_ “Use of a Structural Equations Model in Solving a Comparison Problem: The Case of Two Output Deflators in the Manufacturing

Sector of Greece.” *Proceedings* Vol. II, 275-287, *Applied Stochastic Models and Data Analysis*, World Scientific Publication, 5/5/1993.

- (17) Georganta, Z. “Total Factor Productivity and Price Liberalization in Greek Agriculture.” *Proceedings, 2<sup>nd</sup> Agricultural Congress, Section: Agricultural Production and Technological Adjustment*, 161-178, Thessaloniki, 11-12/12/1992. (in Greek)
- (18) \_\_\_\_\_ “Regional Demand for Bank Deposits by Using the Box-Jenkins Multivariate Approach: The Case of Greece”. *Regional Science Association 28<sup>th</sup> European Congress, Papers and Proceedings*, Stockholm 1988.
- (19) Georganta, Z. “Education and Information Technology: The Case of Greece.” *Regional Science Association European Summer Institute, Papers and Proceedings*, Arco, Lake of Garda, Italy 1988.
- (20) \_\_\_\_\_ “The Demand for Skills in an Industrialized Subregion: West Attika.” *Regional Science Association 27<sup>th</sup> European Congress, Papers and Proceedings*, Athens 1987.
- (21) \_\_\_\_\_ “Manpower Planning: The Case of West Attika”. *International Conference of Technological Education*, TEI – Technological Educational Institute, *Scientific Bulletin of EDIKTI*, Rodos 9-12/4/1987.
- (22) \_\_\_\_\_ “Correspondence of Demand and Supply of Skills in a Small Industrial Area: The Case of West Attika”. *International Congress on Technical Education*, AGRO: The Contribution of Experimental Plans to the Development of New Programmes, TEI, Heraklion Crete 1987.

#### **F. RECENT PUBLICATIONS IN THE DAILY PRESS AND EU**

- (1) Georganta, Z., H. Kandilorou and A. Livada “Our Students are not equipped with the required learning skills with tragic consequences on retaining the supplied knowledge”, *KATHIMERINI*, 14/7/2008. (in Greek)
- (2) Georganta, Z. “Comments and Suggestions on Consultation on the Future EU 2020 Strategy” European Commission’s Working Document COM(2009)647 final. 2010.

#### **IX. PARTICIPATION IN INTERNATIONAL CONFERENCES/ CONGRESSES AS PRESENTER, AN/ORCHAIR/ DISCUSSANT – INVITATIONS FOR LECTURES – ORGANIZATIONAL COMMITTEES (selection)**

- (1) Georganta, Z. “Greek Financial Data: More than Meets the Eye”, and “Use of ICTs in Schools: An Ecosystemic Approach”, *International*

*Conference on Econophysics*, Kavala Institute of Technology, 2-3 June 2011, Greece.

- (2) Kandilorou, H., A. Livada and Z. Georganta “Presence of Anxiety, Absence of Academic Skills.” *68<sup>th</sup> IAES Conference* held in Boston USA. October 2009. [paper]
- (3) Kandilorou, H., A. Livada and Z. Georganta “Tracing Academic Learning and Studying Skills: A Statistical Survey.” *67<sup>th</sup> IAES Conference* held in Rome Italy. March 2009. [paper]
- (4) Georganta, Z. “Information Economy and Educational Opportunities: A Path Analysis Approach.” *Western Economic Association International (WEAI) 82<sup>nd</sup> Annual Conference* held in Seattle, Washington USA. June-July 2007. [paper]
- (5) Georganta, Z. “The Impact of Homework on Students’ Achievement.” *Western Economic Association International (WEAI) 82<sup>nd</sup> Annual Conference* held in Seattle, Washington USA. June-July 2007. [paper discussant]
- (6) \_\_\_\_\_ “US Immigration Policy, Source-Country Social Programs and the Skill Composition of Legal US Immigration.” *Western Economic Association International (WEAI) 82<sup>nd</sup> Annual Conference* held in Seattle, Washington USA. June-July 2007. [paper discussant]
- (7) \_\_\_\_\_ “Why does Marriage Increase Labor Market Earnings. The Impact of Parents’ Education.” *Western Economic Association International (WEAI) 82<sup>nd</sup> Annual Conference* held in Seattle, Washington USA. June-July 2007. [paper discussant]
- (8) \_\_\_\_\_ Session [152] Labor Market Studies. *Western Economic Association International (WEAI) 82<sup>nd</sup> Annual Conference* held in Seattle, Washington USA. June-July 2007. [session chair]
- (9) \_\_\_\_\_ “Measurement Framework of the Digital Economy in Greece”. *Seminar Series in KEPE*. Athens, 26 October, 2006. [Lecture] (in Greek)
- (10) Kandilorou, H., A. Livada and Z. Georganta, Z. “A latent variable model for Australian students’ creativity.” *21<sup>st</sup> International Workshop on Statistical Modelling*. Galway Ireland, 2006. [paper]
- (11) Georganta, Z. “The New Economy and the Challenges for Economic Policies in the USA.” *American Studies Seminar, University of Macedonia of Economic and Social Sciences*. Thessaloniki, April 2006. [lecture]
- (12) Kandilorou, H., A. Livada and Z. Georganta. “Is Greek Students’ Creativity Influenced by Social Compromise?” *18<sup>th</sup> National Conference on Statistics*, Hellenic Statistical Institute. Rodos, 2005. [paper]

- (13) \_\_\_\_\_ “Creative Thinking and Social Compromise in Tertiary Education: A Multicultural Study.” Multicultural Days: An International Perspective Conference, Brock University. St. Catherine, Ontario. June 23-25, 2005. [paper]
- (14) Kandilorou, H., Z. Georganta and A. Livada. “A latent variable model of creativity and social compromise.” 19<sup>th</sup> International Workshop on Statistical Modelling. Florence Italy, 2004. [paper]
- (15) Georganta, Z. Session [53] Innovation and Invention. *Western Economic Association International (WEAI)* Seattle, Washington USA, 1997. [Discussion Reports]:
1. Changing Energy Substitution and price-Induced Innovations
  2. Innovation, Imitation and International R&D Subsidies
  3. Industrial Policy and Inter-Industry Knowledge Spillover
- (16) Georganta, Z. Innovations and patents. *Applied Econometrics Association, Intellectual Property Econometrics*. Paris France, Dec. 1997. [Organizational Committee, Discussion Report]
1. What Do Patents Tell us about Rate and Direction of Technical Change, by Keith Pavitt.
- (17) \_\_\_\_\_ Session [179] Microeconomics, *Western Economic Association International (WEAI)* held in San Diego USA, 1995. [Discussion Reports]:
1. Conditions for Natural Monopoly
  2. Harvest or Tears?
  3. Market Segmentation and Competition Among Informal Lenders
- (18) \_\_\_\_\_ *American Economic Association (AEA) North America Annual Meeting*, Boston 1994. [Discussion Reports]:
1. NAFTA: A common Market Without Financial Assistance
  2. European Monetary Integration: The Less-Developed Areas of EC and Lessons for Other Trading Agreements
- (19) \_\_\_\_\_ Session [184] Personal Income and Wealth Distribution. *Western Economic Association International (WEAI)* held in Vancouver Canada, 1994. [Discussion Reports]:
1. Gamma Mixture Models of Income Distribution
  2. Exploration of Kinks in the US Income and Wealth Distributions
  3. The End of Equity in Normative Economics
- (20) Georganta, Z. *Tufts University Panel on Greece and the Balkans in the Post Cold-War World* held in Medford Massachusetts, USA, 1994. [Discussion Report]:
1. The Economic Situation in Greece and its Investment Possibilities in the Balkans



- (21) Georganta, Z. *The Greek Institute Lecture Series on the Greek Economy* held in Cambridge Massachusetts, 1993.  
[Lecture]:  
1. Why Productivity is the No. 1 Underachiever: The Greek Case
- (22) Georganta, Z. *Northeast Business and Economics Association*, Proceedings viii, pp.130-132, Boston 1993.  
[Discussion Report]:  
1. External Debt Effects on Money and Monetary Policy Reaction: The Case of Brazil During 1967-1982
- (23) \_\_\_\_\_ *Seminar Series in KEPE*, Athens, 1993.  
[Lecture]:  
1. Measurement of Total Factor Productivity at the 4-digit level of STAKOD (Greek Economic Activity Classification), 1980-1991. (in Greek)
- (24) \_\_\_\_\_ *Productivity Seminar, NBER* (National Bureau of Economic Research), Cambridge USA, 1989.  
[Lecture]:  
1. The Garber and Klepper Model of Short-Run Price Changes
- (25) \_\_\_\_\_ *Productivity Group Lunch Seminars, NBER*, Cambridge USA, 1989. [Lecture]:  
1. Skill Requirements of the Manufacturing Sector of Greece
- (26) Georganta, Z. and D. Siegel. *Productivity Seminar, NBER*, Cambridge USA, 1989. [Lecture]:  
1. Error in Variables Models for the PPI and Census Unit Values
- (27) Georganta, Z. *Athens TEI Seminars: Connecting Education with Production*, Athens, 1987. [Lecture]:  
1. Econometric Models of Educational Planning – Empirical Problems. (in Greek)
- (28) \_\_\_\_\_ *Commission of the EC on gender equality*, Copenhagen Denmark 1987. [Discussion Report]:  
1. Gender Equality in Education and Training: Some Evidence from Greece
- (29) \_\_\_\_\_ One-Day Conference with participation of Business Firms “*Exploration of Investment Possibilities in the Greek Industry of Paper and Pulp.*” Athens, KEPE 23/5/1986.  
[Organizer, Chair and Presenter] (in Greek)
- (30) \_\_\_\_\_ *Seminar Series in KEPE*, Athens, 1985. [Lecture]:  
1. The Best Linear Unbiased Distribution of National Accounts' Magnitudes of the Greek Economy: An Extension of the Chow-Lin Method

- (31) Georganta, Z. *Seminar Series in KEPE*, Athens, 1985.  
[Lecture]:  
1. The Integrated Activity Complexes
- (32) \_\_\_\_\_ *OECD Seminars on Local Government Enterprises - Stimulating Joint Public/Private Ventures*, Venice Italy 1985.  
[Lecture]:  
1. Local Government Enterprises in the Area of Lamia-Greece

## X. SELECTION OF UNPUBLISHED WORK

- (1) **Designing a System of EAI** (Evaluation of Applied Informatics). Research Report (150 pages). Department of Applied Informatics, University of Macedonia Economic and Social Sciences. Thessaloniki, 2006. (in Greek)
- (2) **Measurement and Analysis of Productivity: Theory and Applications in the Greek Manufacturing Sector**. Exploratory Study (250 pages). Τμήμα Εφαρμοσμένης Πληροφορικής. Department of Applied Informatics, University of Macedonia Economic and Social Sciences. Thessaloniki, 2006. (in Greek)
- (3) **Latent Variable Models**. Scientific Study (200 pages). Department of Applied Informatics, University of Macedonia Economic and Social Sciences. Thessaloniki, 2006. (in Greek)
- (4) **An Experiment of Altruism in Class**. Research Paper (30 pages). Department of Applied Informatics, University of Macedonia Economic and Social Sciences. Thessaloniki, 2005. (in Greek)
- (5) **Evaluation of the DIMETKA Cluster**. Exploratory Study (34 pages). Ministry of Development. Athens, 2001. (in Greek)
- (6) **Development and Ethics**. Text book (300 pages). Department of Applied Informatics, University of Macedonia Economic and Social Sciences. Thessaloniki, 2001. (in Greek)
- (7) **Continuous Electronic Bank of Manufacturing Data – SHBIT**. Exploratory Study (200 pages). Federation of Industries of Northern Greece (SBBE). Thessaloniki, 1998.
- (8) **DIMETKA – Cluster of Metal Works in Kozani and Volos, Description and Analysis**. Exploratory Study (250 pages in two volumes). Ministry of Development. Athens, 1997.
- (9) **Database of Output Deflators at the 7-D SIC: American Manufactures 1972, 1977, 1982**. Data Base (600 pages). NBER, Cambridge USA. 1998.
- (10) **PPI and UVR in Recession and Recovery: 1977, 1982, 1987**. Research Treatise (50 pages). NBER Productivity Program, Cambridge MA, USA, 1994.

- (11) **Errors of Measurement in Unit Values and the PPI.** Research Treatise (40 pages). NBER. Cambridge MA, USA, 1990.

## **XI. RESEARCH WORK UNDER PREPARATION FOR PUBLICATION**

- (1) **Greece's National Accounts Statistics: Problems and Proposed Solution** [Monograph and paper]
- (2) **Modeling Creative Thinking by Using a Path Analysis Approach** Collection of Papers. [Monograph and paper]
- (3) **Statistical Measurement and Analysis of the Internet Economy in Greece** [Research Monograph and paper]
- (4) **PPI and UVR Re-Revisited** [paper for the journal *Economic Inquiry*]

## **XII. INTERNATIONAL RECOGNITION**

I display below some international references to my work by chronological order, most recent first. It is noted that I do not include references of my students.

- (1) Item VIII.D.6: A.Belegri-Roboli and P.G. Michaelides. "Technical Efficiency and Macroeconomic Determinants for the Greek Power Industry before liberalization: A Stochastic Frontier Approach". *Journal of Economics and Business*, Vol.XIII, No.1, 2010.
- (2) Item VIII.D.6: P.G. Michaelides et al. "Evaluating the Technical Efficiency of Trolley Buses in Athens Greece". *Journal of Public Transportation*, Vol.13, 4, 2010.
- (3) Item VIII.B.10: Ph. Koundouri, M. Laukkanem et al. "The Effects of EU Agricultural Policy Changes on Farmers' Risk Attitudes." *European Review of Agricultural Economics*, 2009.
- (4) Item VIII.D.6: P.G.Michaelides et al. "International Air Transportation Carriers: Evidence from SFA and DEA Technical Efficiency Results (1991-2000)". *EJTIR*, 9(4), 2009.
- (5) Items X.2, X.10, VIII.D.3: E. Athanasiadi. *Productivity of Shipyards – Business Performance Management* (in Greek). National Technical University, Department of Shipyard Engineering, Diploma Dissertation, 2007.
- (6) Item VIII.A.5: G. K. Christou. *Introduction to Econometrics*. Vol. 3, Athens: Gutenberg 2001. (in Greek)
- (7) Item VIII.B.9: Mark Bils and James A. Kahn. "What Inventory Behavior Tells Us About Business Cycles". *American Economic Review*, Vol.90, No. 3, 2000.
- (8) Item VIII.B.10: Randall K. Filer et al. "Markets and Growth in the Post

Communist World.” *World Bank Global Research Project, CEPR London, University Saint-Louis Brussels*, 2000.

- (9) Items X9, X10, X11, research recognition by Zvi Griliches (Paul M. Warburg Professor of Economics and Econometrics, Harvard University). *Papers of Zvi Griliches: An Inventory*, Harvard University, HUGFP153, p.11. 1991-1999, Box 26.
- (10) Acknowledgement by Andreas A. Papandreou. *Externality and Institutions*. Oxford University Press, 1998.
- (11) Items VIII.C.4, X.9, X.10, X.11: D. Siegel. “The Impact of Computers on Manufacturing Productivity Growth: A Multiple-Indicators Multiple-Causes Approach.” *The Review of Economics and Statistics*, V. 79, No.1, Feb. 1997.
- (12) Items VIII.C.4, X.9, X.10, X.11: D. Siegel. “Errors of Measurement and the Recent Acceleration in Manufacturing Productivity.” *Journal of Productivity Analysis*, 6, 1995.
- (13) Items VIII.C.4, X.9, X.10, X.11: D. Siegel. “Errors in Output Deflators”. *Economic Inquiry*, January 1994.
- (14) Item VIII.D.4: C. Carabatsou-Pachaki. “The Quality Strategy A Viable Alternative for Small Mediterranean Agricultures.” *Discussion Paper No. 33, KEPE*, Jan. 1994.
- (15) Item VIII.E.17: G.S. Sapounas. *Development of the Agricultural Sector: Problems and Perspectives*. Agricultural Bank of Greece, Research Department, 1993. (in Greek)
- (16) Item VIII.A.8: G.M. Korres. “Technological Policy and Greek Economic development”. *Proceedings, 4<sup>th</sup> Scientific Congress, Pantion University of Athens. The Greek Society during the First Period after the War, 24-27 Nov. 1993*.
- (17) Item X.10: D. Siegel. “Errors in Output Deflators.” NBER Working Paper No. 3935, 1993.
- (18) Item VIII.A.8: “A Survey of Foreign Investment in Greece.” *Industrial Review*, Special Supplement, May 1992.
- (19) Item VIII.A.6: A. Lymperaki. *Flexible Specialization: Crisis and Restructuring in Small Manufactures*. Gutenberg 1991. (in Greek)
- (20) Item VIII.A.8: G.A. Georgiou. *Space Distribution and Industry Composition of Investments of the Law.1262/1982*. ΚΕΠΕ, 1991. (in Greek)

### **XIII. REFEREEING**

- 1 Cambridge Journal of Economics
- 2 International Journal of Production Economics
- 3 Applied Stochastic Models in Business and Industry
- 4 FIE (Frontiers in Education)
- 5 WEAI (Western Economic Association International)
- 6 Applied Econometrics Association
- 7 GSRT (General Secretariat of Research and Technology)
- 8 ATE (Agricultural Bank of Greece, Research Department)
- 9 KEPE
- 10 EU (European Union)

### **XIV. MEMBER OF SCIENTIFIC ASSOCIATIONS AND PROFESSIONAL AGENCIES**

#### **A. SCIENTIFIC ASSOCIATIONS**

1. American Economic Association
2. American Economic Association, Women's Section
3. Business Economics Association
4. Computer Society (IEEE)
5. Econometric Society
6. Hellenic Statistical Institute
7. Hellenic University Association of European Studies
8. Hellenic Economic Association
9. International Economic Association
10. Indian Economic Association
11. The Royal Economic Association
12. Western Economic Association International

#### **B. PROFESSIONAL AGENCIES**

1. Economic Chamber
2. Association of Graduates of British Universities

### **XV. SOCIAL ACTIVITIES**

1. President of the Hellenic Student Union of the University of Leeds, 1976-80.
2. Member of Amnesty International
3. Member of WWF (World Wild Life Fund)
4. Member of the Association of Greek Women (EGE) 1980-1990
5. Member of the Green Peace
6. Member of the Association of Greek Women Scientists 1980-1997
7. Responsible for the Program to Assist Immigrants from Africa, Church of England in Greece

**Zoe A. Georganta**  
**November 2011**