



CURRICULUM VITAE

ZOE A. GEORGANTA

Professor of Applied Econometrics and Productivity
Former Member of the Hellenic Statistics Authority (EL.STAT.)

Place of birth: Athens, GREECE
Nationality: Greek
Marital Status: Married
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I. EDUCATION

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

Thesis Title:

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.

II. EMPLOYMENT

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| 2013 - today | <ul style="list-style-type: none">• Supervision of Ph.D. Theses• Own Economic Research• Provision of consulting services in quantitative economic analysis and educational strategy |
| 2012 | Retirement |
| 2010 Aug.-Oct
2011 | Member* of the Hellenic Statistics Authority (EL.STAT.)
*Approved by the Greek Parliament as nominated by the Minister of Finance
after an open public call. |

- 2003-2012 Professor of Applied Econometrics and Productivity
Department of Applied Informatics, University of Macedonia Economic and Social Sciences.
- 2009 Okt.-Apr.2010 Visiting Scholar: Cambridge University - UK, Faculty of Economics.
Project: Statistical Measurement Issues in Electronic Commerce.
- 1995-2003 Associate Professor of Applied Econometrics and Productivity.
Department of Applied Informatics, University of Macedonia Economic and Social Sciences.
- 2000-2001 Visiting Scholar: Harvard University, Department of Economics, and NBER (National Bureau of Economic Research), Cambridge MA, USA.
Project: Measurement Issues in Producer Prices, Productivity and Technology.
- 1996-2000 Senior Consultant and Project Manager: Ministry of Development.
Project: Competitiveness SME (Small and Medium Enterprises).
- 1996-1998 Senior Consultant and Project Manager: SBBE (Federation of Industries of Northern Greece).
Project: Competitiveness of SME.
- 1992-1995 Assistant Professor of Econometrics.
Department of Applied Informatics, University of Macedonia Economic and Social Sciences.
- 1993-1994 Visiting Scholar: Harvard University, Department of Economics and NBER, Cambridge MA, USA.
Project: Data Mining and Statistical Measurement Issues of Quality Change Effects on Prices, Productivity Change and Technology.
- 1990-1993 Senior Consultant: Regional Office of Central Macedonia Greece
Project areas:
(1) Information Systems of statistical observation of the labor market
(2) Business Software
(3) Evaluation of Vocational Programs
(4) Price Indices and Productivity Measurement
- 1990-1993 Senior Consultant: Cambridge Econometrics.
Project: 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.
- 1990 (Dec.-June) Teaching Assistant (sophomores): Harvard University, Department of Economics, Cambridge MA, USA.
Subject: Productivity and Technological Change.
- 1989-1990 Visiting Scholar. Harvard University, Department of Economics, Cambridge MA, USA.
Project: Income and Productivity Measurement.
- 1981-1990 Research Associate KEPE (Center of Planning and Economic Research)
Research areas: 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.
Project: 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.
Research areas: 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.
- 1969-1972 Civil Servant of the Public Power Corporation: Department of Financial
Services, appointment after successfully sat national exams.

III. SCHOLARSHIPS AND RESEARCH FUNDING

- 2009 Oct.-
-2010 April Sabbatical Scholarship: From the UNIVERSITY OF MACEDONIA.
Research Project: Statistical Measurement of Electronic Commerce.
- 2006 Jan.-
-2009 June Funding: €198,000. From the EU (European Union) and the GSRT (Hellenic
General Secretariat of Research and Technology)
Research Project: Measurement of the Internet Economy.
- 2003-2005 Funding: €10,000. From the EU and the MINISTRY OF EDUCATION
Project involving Teaching and Student Training: Promotion of
Entrepreneurship by integrating decision support analysis and training in
consulting.
- 2002-2005 Funding: €20,000. From the EU and the MINISTRY OF EDUCATION
Project: Evaluation and Restructuring of Curricula in Applied Informatics.
- 1996-2002 Funding: €2 mil. From the EU, the MINISTRY OF DEVELOPMENT and 25
PRIVATE BUSINESS FIRMS
Project: Competitiveness and Industrial Clusters (Protocol No.126)
- 2000-2001 Sabbatical Scholarship: From the UNIVERSITY OF MACEDONIA.
Research Project: Errors of Measurement and the Productivity/RND relationship.
- 1994-1999
(Summer Terms) Funding: NSF (National Science Foundation) USA
Research Project: Errors of Measurement in Output Deflators
(As member of a Research Group at the NBER and Harvard University –
Department of Economics. Scientific Responsible: Prof. Zvi Griliches)
- 1996-1998 Funding: Travel expenses. EU PROGRAM TSER (Targeted Socioeconomic Research)
Project: Innovation, R&D and Productivity No.4141PL951081.

- 1996-1998 Funding: €10,000. EU, SBBE (Federation of Industries of Northern Greece) and MINISTRY OF LABOR.
Project: Construction of a Databank in ORACLE for Greece’s manufacturing sector.
- 1993 Oct.-1994 Sabbatical Scholarship: From the UNIVERSITY OF MACEDONIA.
February Research Project: Income Measurement and Productivity.
- 1993 Jan-Sept Funding: Travel expenses. EU PROJECT ON HUMAN CAPITAL & MOBILITY
1994 March-Dec. Project: Business Administration and Total Quality Management.
- 1991-1992 Funding: NSF (National Science Foundation) USA.
(Summer Terms) Research Project: Errors of Measurement in Output Deflators
(As member of NBER and Harvard University – Department of Economics
Research Groups. Scientific Responsible: Prof. Zvi Griliches)
- 1990-1992 Funding: €2,000. CAMBRIDGE ECONOMETRICS LIMITED, Cambridge UK.
Research: Regional Growth of European Cities, ATHENS.
- 1988-1989 Sabbatical Scholarship: From KEPE (Center of Planning and Economic Research)
Research: PPI (Producer Price Index)
- 1984-1986 Funding: €2,000. Athens TEI (Technological Institute)
Project: Manpower Planning in West Attica.
- 1977-1980 Scholarship for Ph.D. Studies in Applied Econometrics: From KEPE.
University of Leeds UK, School of Economics - Economic Statistics.
- 1975-1976 Scholarship for M.A. Studies in Economic Statistics: From KEPE.
University of Leeds UK, School of Economics, Economic Statistics

IV. PROJECT MANAGER AND/OR SCIENTIFIC RESPONSIBILITY OF THE FOLLOWING PROJECTS/PROGRAMS:

- (1) Project: *Continuous Evaluation and Assessment of Applied Informatics.* (2002-2012)
UNIVERSITY OF MACEDONIA.
- (2) Program: *Measurement and Analysis of the Digital Economy in Greece – Strategies of e-Markets and Innovation Management.* (2006-2009)
EU-OP (Operational Program) Competitiveness, Axis 8, Action 8.3.1. Development of Human Research & Technology Resources EU and GSRT Code 03EΔ885
- (3) Project: *Entrepreneurial Innovation, Innovation Management, E-Commerce.* (2003-2005).
Part of the Program ANEMOESA (Training Consultants to promote entrepreneurship).
EU and MINISTRY OF EDUCATION, Education and Primary Vocational Training, Axis 3.
- (4) Project: *Restructuring the Curricula (Macroeconomic Models and Policies, Econometrics, Entrepreneurial Innovation and Productivity).* (2002-2005)
EU – MINISTRY OF EDUCATION, Education and Primary Vocational Training, Axis 2.
- (5) 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)
EU and 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 and Department of Economics (Harvard University).
- (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 and IFS (The Institute for Fiscal Studies) University College, London, UK.
- (8) Project: *Creation of SHBIT (Continuous Electronic Manufacturing Databank)* (1996-98)
EU, SBBE and MINISTRY OF LABOR.
ADAPT-PROMODEI_NEW PRODUCTION MODELS IN EUROPEAN INDUSTRY, No 182924/15.9.95.
- (9) Project: *Exploring Competitive Possibilities for Cluster 7 (Metal-works of Kozani and Volos).* (1995-97)
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, Scientific Responsible: **Prof. Robolis**)
- (13) Project: *A Statistical Survey for the project Interrelationship of City planning Upgrading and the Function of Small and Medium Manufacturing Firms* (1986-87)
GSRT – TECHNICAL UNIVERSITY OF ATHENS
(Scientific Responsible: **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 the UN Expert **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. In collaboration with **Prof. Th. Papatheodosiou**.
- (16) Project: *The Region of Crete* (1982-1986)
KEPE – MINISTRY OF NATIONAL ECONOMY. 5YEAR PLAN OF REGIONAL DEVELOPMENT OF GREECE 1982-1987.
- (17) Research 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. Mathematical and Economic 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 (undergraduate if not specified) (selection)

1. Creation of a Data Base for the Greek Manufacturing Sector, 1980-1990. (1996)
2. Quantitative Analysis of Total Factor Productivity Indices, Food Industry, 1980-1990. (1997)
3. Quantitative Analysis of Total Factor Productivity Indices for Chemical Products, 1980-1990. (1998)
4. Quantitative Analysis of Total Factor Productivity Indices, Textiles, 1980-1990. (1998)
5. Sampling Survey and Creation of a Data Base of the Demand for Informatics Graduates in Greece for the year 1997. (1999)
6. Sampling Survey and Analysis of the Software Market in Greece, 1998. (2000)
7. Sampling Survey of the Demand for Informatics Graduates in Greece, 2003. (2005)
8. Demand Functions for Agricultural Products, 1980-1990. (2000)
9. The LISREL Models: Theory and Applications. (2006)
10. Economic Activity of Electronic Firms in Greece, 2003-2006. (2007)
11. Statistical Analysis of the Energy Sector in Greece, 2000-2009. (2011)
12. Information Systems Design for the Health Sector (postgraduate dissertation). (2011)
13. Knowledge Economy and Innovation: Innovation Policies in the EU (postgraduate dissertation). (2011)
14. Measurement Framework of the Internet Economy in Greece (postgraduate dissertation) (2012)
15. A Business Plan for St Paul Hospital in Thessaloniki (postgraduate dissertation) (2012)

VII. SUPERVISION OF DOCTORAL THESES

1. The ICTs in the Mathematics Teaching Process of the Secondary Education: An Ecological Approach. (2010)
This Ph.D. Thesis was published by Lambert Academic Publishers, ISBN: 978-3-659-68192-9, 2015.
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 the Twin Deficits in Greece, 1990-2005. (2007).
7. Management of Digital Libraries in Greece (in progress).
8. Electronic Participation in Greece (in progress).
9. Quantitative Analysis of the Electronic Crime in Greece (in progress).
10. Cost Analysis in Services (in progress).

VIII. PUBLICATIONS

A. SCIENTIFIC BOOKS – RESEARCH MONOGRAPHS – TEXTS

- (1) Georganta, Z. *Macroeconomic Models and Policies, Vol I: Theory and Applications*. Thessaloniki: Barbounakis, 2008. (in Greek) (Text Book, 259 pages)
- (2) _____ *Econometrics, Vol.1: The Classical Linear Model Extensions and Violation of Basic Assumptions*. Thessaloniki: Barbounakis, 2008. (in Greek) (Text Book, 298 pages)
- (3) _____ *Entrepreneurial Innovation – Innovation Management*. Thessaloniki: Anikoula, 2003. (in Greek)
(Research Monograph, 300 pages)
- (4) _____ *The Approach of Box-Jenkins in Analyzing and Forecasting Economic Time Series*. Athens: KEPE, 1987. (in Greek)
(Research Monograph, 303 pages).
- (5) Georganta, Z. and S. Robolis. *The Passenger Car Industry in Greece*. Athens: KEPE 1986. (in Greek) (Research Monograph, 318 pages).
- (6) 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).
- (7) Georganta, Z, K. Manos, V. Notis, S. Robolis and D. Sakkas. *Foreign Investment in Greece*. Athens: KEPE 1986. (in Greek)
(Research Monograph, 213 pages).
- (8) Georganta, Z. *Local Government Enterprises in the Area of Lamia – Greece*. Paris: OECD 1985, UP/E5(85)10. (Treatise, 30 pages).
- (9) _____ *Urban Economic Development: Lamia and its Hinterland*. Paris: OECD, 1984, UP/E(84)35, Scale D. (Study, 100 pages).
- (10) Lissak, S. R. and Z. Georganta. *Policies and Programs of Regional and Urban Economic Development in Greece*. Paris: OECD, 1983, UP/E(83)1, Scale D. (Study, 100 pages).

B. SCIENTIFIC PAPERS

- (1) Georganta, Z. “Strategic Management in IT-Driven Businesses: Theory and Measurement” Chapter (38 pages) in the Book *Information Technology in Management*, INREWI Publications (ISBN 978-955-0775-00-2), February 2012.

- (2) Georganta, Z. "Greek Fiscal and Financial Data: More than Meets the Eye", *Journal of Engineering Science and Technology Review*, 4(3) 2011.
- (3) Georganta, Z. and K. Keramida, "Latent Variable Modeling Within an Ecosystem Approach: ICT Use in Schools", *Journal of Engineering Science and Technology Review*, 4(3) 2011.
- (4) Georganta, Z. and M. Vogiatzi, "The Effects of Information and Communication Technologies on Business Performance: Designing a Path Analysis Framework", *Journal of Information Technology Impact*, v.10, No.3, 2010.
- (5) _____ "Competitive Strategies in the Digital Age: The Case of Small Electronic Companies in Greece." *SPOUDAI*, 59, No 1-2, 2009 (in Greek)
- (6) 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)
- (7) 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>)
- (8) Georganta, Z. "The Systemic Functioning of Innovation in the New Economy: A Concept Mapping Approach." Thessaloniki: *Scientific Annals*, University of Macedonia, 2005.
- (9) _____ "Latent Variable Models in Economics." In T. P. Lianos (ed). *Essays in Economic Analysis*. Athens: KEPE, 2004. (111-126)
- (10) _____ "Latent Variable Modeling of Price-Change in 295 Manufacturing Industries." *Applied Stochastic Models In Business and Industry*, Vol.19, Issue 1, 2003.
- (11) _____ "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.
- (12) _____ "Measuring Productive Efficiency: An Econometric Survey." Thessaloniki: *Scientific Annals*, University of Macedonia, 1997.
- (13) _____ "A Note on Detecting Multicollinearity." *The Indian Economic Journal, Mathematical and Quantitative Methods*, Vol.43, No.4, April-June, 1996, pp.152-154.
- (14) _____ "Errors of Measurement in the Indices of Industrial Production in Greece." Thessaloniki: *Scientific Annals, University of Macedonia*, Vol. 11, 1993, pp.135-164.
- (15) _____ "The Usefulness of Box-Jenkins Models for Short-Term Forecasting." Athens: *Scientific Annals, Pantion University of Athens*, 1992, pp.395-424.
- (16) _____ "Regions of Greece, City 17 – Athens." In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Summer 1992, pp.147-154, and City 16 – Athens, Summer 1991, pp.141-148, and "The Capital Regions of Europe City 2 – Athens", Autumn 1991, pp.53-54.
- (17) Georganta, Z. within a study group. "The Overview of European Regional Prospects." In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Summer 1992, pp.1-48, and 1991, pp.1-47.

- (18) Georganta, Z. within a study group “European Regional Projections to 1995 – An Overview.” In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Autumn 1991, pp.25-38.
- (19) _____ “European Regional Growth in the 80’s.” In *European Regional Prospects*, Cambridge UK: *Cambridge Econometrics*, Autumn 1991, pp.1-14.
- (20) 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, pp.548-595.
- (21) _____ “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, pp.160-164. (in Greek)
- (22) 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”, *17th Panhellenic Conference in Statistics*, Hellenic Statistical Institute (ESI), April 2004.
- (2) Georganta, Z. and K. Sfakianakis. “Statistical Techniques for Measuring the Internet Economy: The Greek Electronic Market B2B”, *17th Panhellenic Conference in Statistics*, Hellenic Statistical Institute (ESI), April 2004.
- (3) Georganta, Z. “A MIMIC Model of Recessionary Price Movements in the US Manufacturing Sector, 1977-1982.” *Econometrica* EC49, 66, Winter 1994.
- (4) Georganta, Z. “Endogenous Total Factor Productivity in A Medium-Run Model of Output Deflators with Latent Variables.” *Econometrica* EC62, 30, Winter 1993.
- (5) 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. “Comments and Suggestions on Consultation on the Future EU 2020 Strategy” European Commission’s Working Document COM (2009)647 final. 2010.
- (2) 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.
- (3) 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.
- (4) 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.
- (5) 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.

- (6) Georganta, Z. "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.
- (7) _____ "Technical (In)Efficiency in the US Manufacturing Sector, 1977-1982." *Discussion Paper* [No. 30.] Athens: *KEPE* Nov. 1993.

E. PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

- (1) Kandilorou, H., Z. Georganta and A. Livada "A Statistical Analysis of Learning Skills: The Case of Students in Economics." *67th 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, 1st Scientific Conference. "*The Role of Institutions in the Performance of the Economy.*" Amfissa, 17-18 April 2008.
- (3) _____ "A latent variable model for Australian students' creativity", 21st 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". *19th International Workshop on Statistical Modelling*. Firenze University Press, 415-419. Florence Italy, 2004.
- (5) Georganta, Z. "Comparing Tests for the Existence of Multicollinearity". *16th Conference of the Hellenic Statistical Institute*, (ESI) Kavala Greece, 2003.
- (6) _____ "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, (ESI) 9th 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 Piraeus 1996, pp.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) Georganta, Z. "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. 8th 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, pp.275-287, Applied Stochastic Models and Data Analysis*, World Scientific Publication, 5/5/1993.
- (17) _____ "Total Factor Productivity and Price Liberalization in Greek Agriculture." *Proceedings, 2nd 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 28th European Congress*, Papers and Proceedings, Stockholm 1988.
- (19) _____ "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 27th 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 Island, 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 Programs, TEI, Heraklion, Crete 1987.

IX. RESEARCH STUDIES completed but not submitted for publication MANUALS FOR STUDENTS

- (1) **Measuring Electronic Commerce as a sector of the Internet Economy: An Application of the CREC* Model in Greece.** University of Macedonia, Department of Applied Informatics. (2011)
* Center for Research on Electronic Commerce, University of Texas at Austin.
- (2) New Economic Structure: Internet versus Traditional Economy in Greece, 2003-2006. (2009)
- (3) **Designing a System of EAI** (Evaluation of a University Department on Applied Informatics). Research Report (150 pages). Department of Applied Informatics, University of Macedonia Economic and Social Sciences. Thessaloniki. (2007) (in Greek)

- (4) **Measurement and Analysis of Productivity: Theory and Applications in the Greek Manufacturing Sector.** Exploratory Study and Student Manual (250 pages). Department of Applied Informatics, University of Macedonia Economic and Social Sciences. Thessaloniki. (2006, 2009) (in Greek)
- (5) **Latent Variable Models.** Scientific Study and Student Manual (200 pages). Department of Applied Informatics, University of Macedonia Economic and Social Sciences. Thessaloniki. (2006, 2008) (in Greek)
- (6) **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)
- (7) **Evaluation of the DIMETKA Cluster.** Exploratory Study (34 pages). Ministry of Development. Athens. (2001) (in Greek)
- (8) **Development and Ethics.** Text book (300 pages). Department of Applied Informatics, University of Macedonia Economic and Social Sciences. Thessaloniki. (2001, 2005) (in Greek)
- (9) **Continuous Electronic Bank of Manufacturing Data – SHBIT.** Exploratory Study (200 pages). Federation of Industries of Northern Greece (SBBE). Thessaloniki. (1998)
- (10) **DIMETKA – Cluster of Metal Works in Kozani and Volos, Description and Analysis.** Exploratory Study (250 pages in two volumes). Ministry of Development. Athens. (1997)
- (11)* **Database of Output Deflators at the 7-D SIC: American Manufactures 1972, 1977, 1982.** Data Base (600 pages). NBER, Cambridge USA. (1998)
- (12)* **PPI and UVR in Recession and Recovery: 1977, 1982, 1987.** Research Treatise (50 pages). NBER Productivity Program, Cambridge MA, USA, 9/2/1994.
- (13)* **Errors of Measurement in Unit Values and the PPI.** Research Treatise (40 pages). NBER. Cambridge MA, USA, 1990.

*See (1) Research recognition by the late, lamented 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. (2) Siegel, D. “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. (3) Siegel, D. “Errors of Measurement and Recent Acceleration in Manufacturing Productivity”, *Journal of Productivity Analysis*, 6, 1995. (4) Siegel, D. Errors in Output Deflators”, *Economic Inquiry*, Jan 1994.

X. PARTICIPATION IN INTERNATIONAL CONFERENCES/ CONGRESSES AS PAPER PRESENTER, AND/OR CHAIR/ DISCUSSANT (selection). INVITED LECTURES (selection)

- (1) Georgtanta, Z. “A Marshall Plan for Hellas: No one puts new wine in old wineskins”, *Institute of Geopolitical Studies*, Athens, March 2014. [Invited Lecture]
- (2) _____ “The Dynamics of Greece’s Public Debt: The Role of Economic Parasitism in an Econophysics Approach”, *International Conference of Econophysics*, TEI (Technological Institute) Kavala, Greece, Sept. 2013. [Paper presented]
- (3) Kandilorou, H., A. Livada and Z. Georganta. “Presence of Anxiety, Absence of Academic Skills.” *68th IAES Conference* held in Boston USA. October 2009. [Paper presented]

- (4) Kandilorou, H., A. Livada and Z. Georganta. "Tracing Academic Learning and Studying Skills: A Statistical Survey." *67th IAES Conference* held in Rome Italy. March 2009. [Paper presented]
- (3) Georganta, Z. "Information Economy and Educational Opportunities: A Path Analysis Approach." *Western Economic Association International (WEAI) 82nd Annual Conference* held in Seattle, Washington USA. June-July 2007. [Paper presented]
- (4) _____ "The Impact of Homework on Students' Achievement." *Western Economic Association International (WEAI) 82nd Annual Conference* held in Seattle, Washington USA. June-July 2007. [Paper Discussant]
- (5) _____ "US Immigration Policy, Source-Country Social Programs and the Skill Composition of Legal US Immigration." *Western Economic Association International (WEAI) 82nd Annual Conference* held in Seattle, Washington USA. June-July 2007. [Paper Discussant]
- (6) _____ "Why does Marriage Increase Labor Market Earnings. The Impact of Parents' Education." *Western Economic Association International (WEAI) 82nd Annual Conference* held in Seattle, Washington USA. June-July 2007. [Paper Discussant]
- (7) _____ Session [152] Labor Market Studies. *Western Economic Association International (WEAI) 82nd Annual Conference* held in Seattle, Washington USA. June-July 2007. [Session Chair]
- (8) _____ "Measurement Framework of the Digital Economy in Greece". *Seminar Series in KEPE*. Athens, 26 October, 2006. [Invited Lecture] (in Greek)
- (9) Kandilorou, H., A. Livada and Z. Georganta, Z. "A latent variable model for Australian students' creativity." *21st International Workshop on Statistical Modelling*. Galway Ireland, 2006. [Paper presented]
- (10) 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. [Invited Lecture]
- (11) Kandilorou, H., A. Livada and Z. Georganta. "Is Greek Students' Creativity Influenced by Social Compromise?" *18th National Conference on Statistics*, Hellenic Statistical Institute. Rodos, 2005. [Paper presented]
- (12) _____ "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 presented]
- (13) _____ "A latent variable model of creativity and social compromise." *19th International Workshop on Statistical Modelling*. Florence Italy, 2004. [presented paper]
- (14) 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

- (15) Georganta, Z. Innovations and patents. *Applied Econometrics Association*, Intellectual Property Econometrics. Paris France, Dec. 1997.
[Member of the Organizational Committee, Discussion Report]
1. What Do Patents tell us about the Rate and Direction of Technical Change, by Keith Pavitt.
- (16) _____ 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
- (17) _____ *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
- (18) _____ 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
- (19) _____ *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.
- (20) _____ *The Greek Institute Lecture Series on the Greek Economy* held in Cambridge Massachusetts, 1993. [Invited Lecture]:
1. Why Productivity is the No. 1 Underachiever: The Greek Case.
- (21) _____ *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.
- (22) _____ *Seminar Series in KEPE*, Athens, 1993. [Invited Lecture]:
1. Measurement of Total Factor Productivity at the 4-digit level of STAKOD (Greek Economic Activity Classification), 1980-1991. (in Greek)
- (23) _____ *Productivity Seminar, NBER* (National Bureau of Economic Research), Cambridge USA, 1989. [Invited Lecture]:
1. The Garber and Klepper Model of Short-Run Price Changes.
- (24) _____ *Productivity Group Lunch Seminars, NBER*, Cambridge USA, 1989.
[Invited Lecture]: Skill Requirements of the Manufacturing Sector of Greece
- (25) Georganta, Z. and D. Siegel. *Productivity Seminar, NBER*, Cambridge USA, 1989.
[Invited Lecture]:
1. Error in Variables Models for the PPI and Census Unit Values
- (26) Georganta, Z. *Athens TEI Seminars: Connecting Education with Production*, Athens, 1987.
[Invited Lecture]: Econometric Models of Educational Planning – Empirical Problems. (in Greek)

- (27) Georganta, Z. *Commission of the EC on gender equality*, Copenhagen Denmark 1987.
[Discussion Report]: Gender Equality in Education and Training: Some Evidence from Greece.
- (28) _____ 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 Paper presenter] (in Greek)
- (29) _____ *Seminar Series in KEPE*, Athens, 1985. [Invited Lecture]:
1. The Best Linear Unbiased Distribution of National Accounts' Magnitudes of the Greek Economy: An Extension of the Chow-Lin Method.
- (30) _____. *Seminar Series in KEPE*, Athens, 1985.
[Invited Lecture]: The Integrated Activity Complexes.
- (31) _____ *OECD Seminars on Local Government Enterprises - Stimulating Joint Public/Private Ventures*, Venice Italy 1985.
[Invited Lecture]: Local Government Enterprises in the Area of Lamia-Greece.

XI. REFEREEING AND EVALUATION OF RESEARCH

- 1 Journal of Engineering Science and Technology Review (since 2011 until 2015)
- 2 ATE (Agricultural Bank of Greece, Research Department, during 1980's until 2014)
- 3 WEAI (Western Economic Association International, since 2007 until 2014)
- 4 FIE (Frontiers in Education, since 2005 until 2014)
- 5 GSRT (General Secretariat of Research and Technology, during 1980's until 2011)
- 6 International Journal of Production Economics (since mid 2000's until 2010)
- 7 Applied Stochastic Models in Business and Industry (since 1998 until 2010)
- 8 EU (European Union, during 1990's until 2010)
- 9 KEPE (Center of Planning and Economic Research, during 1980's until 2010)
- 10 Applied Econometrics Association (during the 2000's)
- 11 Cambridge Journal of Economics (during mid 1990's)

XII. MEMBER OF SCIENTIFIC AND PROFESSIONAL ASSOCIATIONS

A. SCIENTIFIC ASSOCIATIONS

1. American Economic Association (since 1988 until 2014)
2. American Economic Association, Women's Section (since 1992 until 2015)
3. Business Economics Association (1995 – 2014)
4. Computer Society (IEEE) (1990 – 2012)
5. Econometric Society (1985 – 2012)
6. Hellenic Statistical Institute (1982 – today)
7. Hellenic University Association of European Studies (1992 – 2010)
8. Hellenic Economic Association (1990 – 2012)
9. International Economic Association ((1990 – 2012)
10. Indian Economic Association (1995 – 2011)
11. The Royal Economic Association (1990 – 2010)
12. Western Economic Association International (1990 – 2012)

B. PROFESSIONAL ASSOCIATIONS

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

XIII. SOCIAL ACTIVITIES

1. President of the Hellenic Student Union of the University of Leeds, 1976-80.
2. Member of Amnesty International (up to 2008)
3. Member of WWF (World Wild Life Fund) (up to 2005)
4. Member of the Association of Greek Women (EGE) (1980-1990)
5. Member of the Green Peace (mid 1990's)
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 (2000-today)

Zoe Georganta
August 2017