

Curriculum Vitae

Christos J. Emmanouilides (Ph.D)

Personal Information

Affiliation: Assistant Professor of Statistics (tenured),
Aristotle University of Thessaloniki

Contact Address

Room 202,
Department of Economics,
School of Law, Economics, and Political Sciences,
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Education

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| 2002 | Postdoctoral Researcher in Marketing Research, Department of Economics, Aristotle University of Thessaloniki. |
| 1999 | Ph.D. in Applied Statistics, School of Engineering, Computing and Mathematical Sciences, Lancaster University, Lancaster, UK.

Title: "Micro-level Modeling of New Product Adoption in the Presence of Social Interactions". Focused on the development, dynamical systems analysis and statistical estimation of complex multi-agent system models for new product diffusion in networked markets.

Supervisor: Prof. Richard B. Davies, currently Vice-Chancellor of the University of Wales, Swansea.

External examiner: Prof. Nigel Meade, The Management School, Imperial College London. |
| 1991 | First degree in Physics (5 years – majored in Astronomy/Astrophysics), School of Natural Sciences, Aristotle University of Thessaloniki |
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Academic Experience

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| 2007 – | Assistant Professor of Statistics (tenured), Department of Economics, Aristotle University of Thessaloniki. |
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- 2002 – 2007 Lecturer of Statistics, Department of Economics, Aristotle University of Thessaloniki.
- 2009 - 2010 Visiting Professor, Graduate School of Management, International Hellenic University, Greece.
- 2003 - 2004 Visiting Professor, Dept. of International Economics, Democritus. Univ. of Thrace.
- 2001 – 2002 Visiting Professor, Department of Economics, Aristotle University of Thessaloniki.
- 2001 – 2002 Visiting Professor, Department of Sociology, University of the Aegean, Greece.
- 1996 - 2000 Research Fellow, Centre for Marketing, London Business School, UK.
- 1994 - 1996 Research Associate, Centre for Applied Statistics, Lancaster University, UK.

Awards, Scholarships, and Distinctions

- 1992 - 1994 Onassis Foundation Scholarship for doctoral research.
- 1993 European Institute for Advanced Studies in Management (EIASM) Scholarship for the weekly doctoral seminar in "Quantitative Marketing Models", Leuven, Belgium.
- 1997 Best paper award, European Marketing Academy (EMAC) sponsored by Houghton Mifflin, 26th EMAC Conference, Warwick Business School, UK.
- 2000 Distinguished Expatriate Scientist Award from the University of Athens and the Presidency of the Greek Republic.
- 2001 - 2002 Greek State Scholarship for postdoctoral research.
- 2009 - 2013 Listed in Marquis Who is Who in the World (2009-2013) and Marquis Who is Who in Science and Engineering (2011-2013) biographical catalogues.

Publications

A. Journals

- A.1. Emmanouilides, C. J & Hammond, K (2000), "Internet Usage: Predictors of Active Users and Frequency of Use", *Journal of Interactive Marketing*, Vol. 14(2), 17-32. (ISI impact factor 2.600)
- A.2. Emmanouilides, C. J, Kasderidis, S. & Taylor, J. (2003), "A Random Asymmetric Temporal Model of Behaviour in Groups of Interacting Agents: Dynamical Analysis", *Physica D (Non-linear Phenomena)*, Vol. 181 (1-2), pp. 102 – 120 (ISI impact factor 1.568).
- A.3. Emmanouilides, C. J & Davies R. B. (2007), "Modelling and Estimation of Social Interactions in New Product Diffusion", *European Journal of Operational Research*, Vol. 177(2), pp.1253-1274. (ISI impact factor 2.093).
- A.4. Emmanouilides, C. J., Tsourvakas G., Veglis A., and Chadjithomas L. (2008), "Exploring Word-of-Mouth Communications for Movies in Greece", *Bulletin of the Greek Management Academy*, Vol. 5(1), pp. 24-38.

- A.5. C. Emmanouilides, and P. Fousekis (2009). "Non-Linear Catching-up and Convergence in the Agricultural Productivity of the US States". *Economics Bulletin* 29(1): 182-89. (indexed in JEL, RePEc, SCOPUS, CNRS)
- A.6. Agorastos T, Lambropoulos AF, Sotiriadis A, Mikos T, Togaridou E, and Emmanouilides CJ (2009), "Prevalence and distribution of high-risk human papillomavirus in Greece" *European Journal of Cancer Prevention*, 18(6): 504-509. (ISI impact factor 2.205)
- A.7. Agorastos, T., Sotiriadis, A., and Emmanouilides, C.J. (2010), "The Effect of Type-specific Human Papilloma Virus on Screening Performance and Cost", *International Journal of Gynecological Cancer*, 20(2), pp. 276-82. (ISI impact factor 2.179)
- A.8. Tseloni, A., Tsoukis, C., and Emmanouilides, C. (2011), "Globalisation, Development, and Gender Inequality across the World: A Multivariate Multilevel Approach", *Quantitative and Qualitative Analysis in Social Sciences*, Vol. 5(1), pp. 1-35.
- A.9. Emmanouilides, C. J. and Fousekis, P. (2012), "Testing for the LOP under Non-linearity: An Application to Four Major EU Pork Markets", *Agricultural Economics*, 43(6), 715-723 (ISI impact factor 1.329).
- A.10. Kostopoulou S., Emmanouilides, C.J. and Papadimitriou V. (2013), "Local Businesses' Perceptions of Film Festivals Impact on Tourism", *TOURISMOS: An International Multidisciplinary Journal of Tourism*, forthcoming.
- A.11. Kontogianni A. and Emmanouilides C.J. (2013) "The cost of a gelatinous future and loss of critical habitats in the Mediterranean", *ICES Journal of Marine Science*, forthcoming. (ISI impact factor 2.277).
- A.12. Emmanouilides, C. J., Fousekis, P., Grigoriadis, V. (2013), "Price Dependence in the Olive Oil Markets of the Mediterranean", *Spanish Journal of Agricultural Research*, forthcoming (ISI impact factor 0.659).

B. Refereed Proceedings Papers

- B.1 Emmanouilides, C. J (1995), "A Dynamic Generalised Linear Modelling Approach to Innovation Diffusion: A Micro-level Analysis of the Adoption Process and an Extension to the Macro-level Diffusion Curves", *Proceedings of the 24th EMAC Conference*, 1585-1592, ESSEC, Paris, France.
- B.2 Emmanouilides, C. J (1997), "A Mean Field Model of Social Interactions and Network Effects in Technology Diffusion", *Proceedings of the 26th EMAC Conference*, Vol. 1, 416-436, Warwick Business School, UK. Best Paper Award, European Marketing Academy (EMAC).
- B.3 Emmanouilides, C. J (1998), "Random Asymmetric Models for Dynamics of Groups with Interaction Structures", *Conference on "Managing the Complex"*, New England Complex Systems Institute, 3-5 April 1998, Toronto, Canada.
- B.4 Hammond, K, Emmanouilides, C. J., Penny Turner & Patrick Barwise (1998), "Consumer Adoption of Electronic Commerce: Initial Results", *Proceedings of the 27th EMAC Conference*, Vol. 6, 575-583, Stockholm School of Economics, Sweden.
- B.5 Emmanouilides, C. J & Hammond, K (1998), "Use of the Internet in the UK", *Πρακτικά του INFORMS "Marketing Science and The Internet" Conference Proceedings*, 257-280. Sloan School of Management, MIT, Boston, USA.

- B.6 Emmanouilides, C. J & Davies R. B. (2005), "Modelling and Estimation of Social Interactions in New Product Diffusion", Πρακτικά του 9th International Conference on Marketing and Development, Thessaloniki 9-11 June, Greece. CD-Rom, Σελ. 1-24.
- B.7 Tsourvakas G., Veglis, A., and Emmanouilides, C. J. (2005), "Exploring Word-of-Mouth Communications for Movies", Πρακτικά του 9th International Conference on Marketing and Development, Thessaloniki 9-11 June, Greece. CD-Rom, Σελ. 1-22.
- B.8 Emmanouilides, C. J (2006), "Determinants of Diffusion Models' Forecasting Accuracy", *Proceedings of the 35th European Marketing Academy Conference*, May 2006, Athens, Greece. CD-Rom, pp. 1-12.
- B.9 Vouzas, F. Gotzamani, K. and Emmanouilides C.J. (2007), "Investigating the current status and role of Quality Managers in Greece", *Proceedings of the 10th Quality Management and Organizational Development (QMOD) Conference*, June 2007, Lunds University, Sweden. CD-Rom, pp. 1-8.
- B.10 Balabanis, G., Mitchell, V.W. and Emmanouilides C.J. (2007), "Effective Anti-Drink and Drive Advertising to High Risk Audiences", *Proceedings of the 36th European Marketing Academy Conference*, May 2007, Reykjavik, Iceland. CD-Rom, pp. 1-12.
- B.11 Sotiriadis A, Emmanouilides, C.J., Agorastos T. (2008), "Efficiency and cost-benefit analysis of future preventive cervical cancer protocols », *Proceedings of the 1st Meeting of the Greek Society for HPV Research and Prevention*, pp. 255 – 262. University Studio Press, January 2008, Thessaloniki.
- B.12 Sotiriadis A, Emmanouilides, C.J., Agorastos T. (2009), "Different screening strategies: clinical and cost effectiveness by HPV genotype", *Proceedings of the 8th Symposium on "New developments in gynecological cancer prevention "*, Agorastos, T., Papanicolaou A, Tarlatzis B. (eds.), University Studio Press, April 2009, Thessaloniki, pp. 97-105.
- B.13 Skourtos, M., Emmanouilides, C.J., Machleras, A., Kontogianni, A. and Brouwer, R. (2009). "Water Scarcity and the Benefits of Securing Domestic Water Supply. The Use of Stated Preferences Techniques Under the Water Framework Directive", pp. 96-104. *Proceedings of the 1st Greek Conference in Applied Economics*, Volos, 26-28 November 2009.
- B.14 Balabanis, G. and Emmanouilides C.J. (2009) "Consumer Boycotts: Collective action or mere punishment", EMAC 2009 Conference hosted by Audencia Nantes School of Management (Nantes, France) from 26-29 May 2009.
- B.15 Kostopoulou, S., Emmanouilides, C.J., Papadimitriou, V. (2010), "Perceived tourism impacts of cultural events: The case of Thessaloniki International Film Festival", *Proceedings of the 2010 Athens Tourism Symposium*, pp. 1-10, February 10-11, Athens, Greece.
- B.16 Emmanouilides, C.J. and Petridis, N. (2011), "Improving early diffusion forecasts with data imputation and smoothing", *31st International Symposium on Forecasting*, 26-29 June 2011, Prague, Czech Republic.
- B.17 Emmanouilides, C.J., Tsiantikoudis, S., Arabatzis, G. (2011), "Choice-based valuation of natural resources in the protected area of the Evros Delta", *Proceedings of the 5th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2011)*, pp. 1-15, September 8-11, Skiathos, Greece.

- B.18 Balabanis, G., Siamagka, N., Emmanouilides C.J. (2013), "Consumer ethnocentrism: Too Finicky?", *Proceedings of the 42nd European Marketing Academy Conference*, June 2013, Istanbul, Turkey. CD-Rom, pp. 1-7.
- B.19 Emmanouilides, C.J. and Sgouromalli, T. (2013), "Renewable energy sources in Crete: economic valuation results from a stated choice experiment", *Proceedings of the 6th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2013)*, pp. 1-10, September 17-20, Kerkyra, Greece.

C. Refereed Conference Papers

- C.1 Emmanouilides, C. J (1995), "A Micro-Level Modeling of the Diffusion Phenomenon and An Extension to Macro-level Curves", *INFORMS Marketing Science Conference*, 2-6 July 1995, University of New South Wales, Sydney, Australia.
- C.2 Crouchley R., Emmanouilides C.J. & Robinson R. (1996), "Testing for the Endogeneity of Area for Males in A Labour Market Model Estimated on SCEDI Data", *4th International ISA Social Science Methodology Conference*, 1-5 July 1996, Essex, UK.
- C.3 Emmanouilides, C. J & Kasderidis S. (1997), "Extended Models of Random Asymmetric Neural Networks: Dynamic Analysis and Applications to Brain and Social Sciences", *5th Greek Conference in Complexity and Chaotic Dynamics of Non-linear Systems*, 14-25 July 1997, Thessaloniki, Greece.
- C.4 Emmanouilides, C. J (1997), "A Mean Field Approach to Innovation Diffusion in the Presence of Social Interactions and Network Externalities", *INFORMS Marketing Science Conference*, 21-24 March 1997, Haas School of Business, UC Berkeley, California, USA.
- C.5 Emmanouilides, C. J (1998), "On a Class of Choice Models with Social Interactions and Network Effects: Dynamic Properties and Implications for the Diffusion of High Technology Products", *INFORMS Marketing Science Conference*, 10-13 July 1998, INSEAD, France.
- C.6 Emmanouilides, C. J (1999), "A Mean-Field Model for New Product Forecasting", *19th International Symposium on Forecasting*, 27-30 June 1999, US Dept. of Justice, Washington D.C.
- C.7 Emmanouilides, C. J (2003), "A Mean-Field Multi-Agent Model for Technology Forecasting: Assessment of Forecasting Performance and Comparison with Established Diffusion Models", *23rd International Symposium on Forecasting*, 15-18 June, Merida, Mexico.
- C.8 Emmanouilides, C.J., Tseloni, A. and Tsoukis, C. (2005), "Globalisation, Growth, and Gender Inequality: A Multivariate Multilevel Approach", *75th Annual Meeting of the Southern Economic Association*, 18-20 November, Washington D.C., USA.
- C.9 Emmanouilides, C. J (2005), "A Probabilistic Method for Model Selection and Combination of Technological Forecasts from Diffusion Models ", *25th International Symposium on Forecasting*, 12-15 June 2005, San Antonio, Texas USA.
- C.10 Bekiari C., Kouretas D., Emmanouilides C.E., Emmanouilides C.J , Skaltsounis L., Tsingotjidou A. (2007), "Prevention of Oxaliplatin-related neurotoxicity by grape seed extract: An experimental study in rats". 21st Conference of the Hellenic Society for the Neurosciences. November 2007, Thessaloniki, Greece.

- C.11 Emmanouilides, C.J. (2008), "Predictors of diffusion models' forecasting performance and diffusion model selection", *28th International Symposium on Forecasting*, 22-25 June 2008, Nice, France.
- C.12 Emmanouilides, C. J (2010), "A Mean-Field Multi-Agent Model for Innovation Diffusion Forecasting", *Workshop on "Agent-based Simulation of Diffusion Processes"*, 8-9 April, University of Vienna, Austria. (By Invitation)
- C.13 Papadimitriou, A., Boboc, M., and Emmanouilides C.J. (2010), "Course evaluation by students: commonalities and differences across courses and years", *AIR 50th Annual Forum*, May 29 - June 2, 2010, Chicago, USA.
- C.14 Emmanouilides, C.J. (2010). "A Class of Random Asymmetric Multi-Agent Models for Innovation Diffusion", *EURO XXIV - 24th European Conference on Operational Research*, July 11-14, Lisbon, Portugal. (By Invitation).
- C.15 Kostopoulou, S., Emmanouilides, C.J., Papadimitriou, V. (2010), "Cultural events and urban development: visitors' perceptions", *Regional Science Association International British & Irish Section, 39th Conference*, 25-27 August 2010, Glasgow, Scotland.
- C.16 Kontogianni A., Emmanouilides, C., Machleras, A., Zanou, B. Serrat, P., Adaman, F. Panayotou, T. Streftaris, N., Boero, F. Galil, B., Skourtos, M. (2011). "A choice modelling approach in valuing the preservation of critical marine habitats, risk of jellyfish outbreaks and mitigation of invasive species in Levantine and W. Mediterranean", *SESAME (Southern European Seas: Assessing and Modelling Ecosystem changes) Final Scientific Conference*, April 4-8, Athens, Greece.
- C.17 Tsitakis, D., Kontogianni, A., Emmanouilides, C., Skourtos, M. (2011). "Key factors in supporting native biodiversity and resilience of marine ecosystems: Application of Stated Preferences techniques for valuing preservation of critical habitats and mitigation of alien species in Greece", *SESAME (Southern European Seas: Assessing and Modelling Ecosystem changes) Final Scientific Conference*, April 4-8, Athens, Greece.
- C.18 Emmanouilides, C. J. (2012). "Statistical Mechanics of Innovation Diffusion: Modelling, Estimation, and Forecasting", *OR2012-International Annual Conference of the German OR Society*, Leibnitz University, Hannover, Sept 4-7.
- C.19 Emmanouilides, C. J. (2012). "Statistical Mechanics Models for Innovation Diffusion Modelling and Forecasting", *Latsis Symposium on Economics on the Move: Trends and Challenges from the Natural Sciences*, ETH Zurich, Sept 11-14.
- C.20 Emmanouilides, C. J. (2013). "Forecasting innovation diffusion with limited data: a missing data approach", *EURO 2013 - 26th European Conference on Operational Research*, July 1-5, Rome.

D. Working Papers

- D.1. Emmanouilides, C. J & Hammond, K (1999), "Internet Usage: Predictors of Active Users and Frequency of Use", *Centre for Marketing Working Paper No 99-802*, London Business School.
- D.2. Emmanouilides, C. J. & Moston, S. (1997), "Diffusion of Interactive Mass Media technologies and applications. Scenarios for the future", *Centre for Marketing Working Paper No 97-801*, April 1997, London Business School.

- D.3. Emmanouilides, C. J. (1996) "Modelling the Diffusion of Interactive Mass Media Products", Centre for Marketing Working Paper No 96-808, December 1996, London Business School.
- D.4. Tseloni, A., Tsoukis, C., and Emmanouilides, C. (2009), "Globalisation, Development, and Gender Inequality across the World: A Multivariate Multilevel Approach", CSER DP No 3, pp. 1-36, Centre for Socio-Economic Research, London Metropolitan University, London, UK.
- D.5. Anagnostidis, P., Emmanouilides, C.J. and Papachristou G.A. (2013), "Price Discovery in the Greek Preopening", available at SSRN: <http://ssrn.com/abstract=2200817> or <http://dx.doi.org/10.2139/ssrn.2200817>
- D.6. Emmanouilides, C. J. and Fousekis, P. (2013), "Assessing the Validity of the LOP in the EU Broiler Markets".
- D.7. Emmanouilides, C. J. and Fousekis, P. (2013), "Vertical Price Dependence Structures: Copula-Based Evidence from the Beef Supply Chain in the US".
- D.8. Emmanouilides, C. J. and Fousekis, P. (2013), "Vertical Price Transmission in the US Pork Industry: Evidence from Copula Models".
- D.9. Emmanouilides, C. J., Petridis, N., Varsakelis, N. (2013), "More Resources for Innovation: Wealth or Waste? The case of OECD Countries"
- D.10. Emmanouilides, C.J., Fousekis, P., Proskynitopoulos, A. (2013), "An analysis of spatial linkages in the EU pork market".

Funded Research

1. "Framework contract for the provision of services to the Commission in the fields of research evaluation and research policy analysis – Lot 2 : data collection and performance indicators to monitor European research policy ". Scientific Advisor. 2012 – 2016.
2. Research Programme "Thales – Democritus University of Thrace – Analysis and Forecasting of Economic Indicators with Machine Learning Techniques". Funded by the EU and Greece through the Operational Program "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF). Research Funding Program: THALES. 2012-2015. Scientific Partner.
3. Statistical assessment of sales analysis and forecasting models, Symphony-IRI Europe, 2012. Expert Consultant.
4. "SESAME: Southern European Seas: Assessing and Modeling Ecosystem changes", IP6 programme funded by EU DG RTD. Statistics Expert. 2009-2011.
5. "Globalization of the Greek Economy, 1995-2005". Funded by the Greek Secretariat for Research and Technology. Scientific Advisor - Statistics. 2006 – 2009.
6. "AQUAMONEY – Assessment of environmental and resource costs and benefits in the European Water Framework Directive", IP6 Framework Programme funded by the EU DG RTD. Statistics Expert. 2006-2009.
7. "Technology Transfer Networks", Regional Operational Programme funded by the EU and the Greek State. Statistics Expert. 2005-2006.
8. "DREAM – Fighting racism and xenophobia in Mass Media". Funding body: DREAM-EQUAL EU. Statistics Expert. 2003-2004.

9. "Brand image and customer satisfaction analysis for the STER Cinema Complexes". Funded by STER Cinemas Thessaloniki S.A. Statistics Expert. 2002.
10. "Analysis and Forecasting Diffusion of the Internet and of B2C e-commerce in Greece". Funded by the Greek State's Scholarship Foundation. 2001-2002.
11. "Appraisal of the Leader II EU Programme in Chalkidiki Prefecture". Funded by the Chalkidiki Development Company. Statistical Expert. 2001.
12. "Operational Programme Against Social Exclusion from the Job Market": Funded by the Greek Federation of Black Sea Associations and the EU. Statistical Expert. 2001.
13. "Future Media Research Programme", Funded by the Centre for Marketing - London Business School (UK), Markle Foundation (New York, USA), 50 multinational companies, and EU's ESPRIT IV programmes OPAL (On-Line Programmes, Digital Archives and Distributed Editorial Collaboration) and CARO (Electronic Commerce and the Alignment of Radio Production and Distribution. On-Line Services, Audio / Music-On-Demand and Electronic Programme Exchange). Research Fellow. 1996 – 2000.
14. "A Test for the exogeneity of AREA in the SCEL Data for a competing risk model of labour mobility". Funded by the Economic and Social Research Council (UK). Research Associate. 1994 – 1996.

Editorial/Reviewing activities

Editorial board member: Journal of Stock and Forex Trading

Reviewer: European Journal of Operational Research, Physica D, Agricultural Economics, Journal of Agricultural Science, Journal of Food Agriculture & Environment, Asia-Pacific Journal of Economics, International Journal of Economic Sciences and Applied Research, International Journal of Management Science and Engineering Management, Science Journal of Physics, Journal of Management and Sustainability, European Marketing Academy, International Society of Marketing and Development, HAICTA.

Current Teaching

Undergraduate:

Statistics I, Statistics II, Applied Statistics (Dept. of Economics, AUTH)

Social Statistics (Dept. of Political Sciences, AUTH)

Postgraduate:

Quantitative methods (MSc in International and European Economics, AUTH)

Research methods (PhD in Economics, AUTH)

Biostatistics (MSc in Veterinary Science, AUTH)

PhD and Master Theses Advising

Principal advisor of 2 (two) PhD candidates. Member of the advisory board of 9 (nine) PhD candidates. Principal Advisor of 4 (four) MSc candidates

Computing/Software development

- *NPFSys (New Product Forecasting System)*: modeling and forecasting new product diffusion, with own statistical model selection and forecast combination methods. Development in Visual Fortran and Visual Basic.
 - *PMIX (Probability Mixtures)*: modeling longitudinal (panel) data with random coefficient statistical models. Developed using Visual Fortran.
 - *NLDYN (Non Linear Dynamics)*: collection of routines and binding code for the dynamical analysis and forecasting of nonlinear time-series. Developed in Visual Fortran.
 - *Personnel selection algorithm*, provided to AUTH Rectory as a key tool for the selection of seasonal/part-time personnel. Developed in S-plus/R.
 - *Operating systems*: Windows (8,7,Vista,XP,200X,NT, Server), Mac OS, Linux, Unix
 - *Programming*: R, Python, Visual Fortran, Visual C++, Visual Basic, Pascal, Cobol
 - *Statistical/Mathematical/Numerical Analysis software*: R, S-plus, SPSS, SAS, GLIM, Statistica, Stata, Matlab, Mathematica, Maple, IMSL, NAG, Numerical Recipes
 - *Databases*: SQL/PQL, MSAccess, MSExcel
 - *GIS*: ArcGIS
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Administrative roles

- Coordinator - MSc in International and European Economics, AUTH.
 - University Advisory Boards: Economics and Development, Evaluation of Services and Operations
 - Departmental Committees: Library, Postgraduate studies, Undergraduate studies, Strategic development, Internal evaluation, etc.
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Membership to Academic Societies

International Institute of Forecasters, European Marketing Academy, Marketing Science Institute, Greek Society for Information Technology in Agriculture, Greek Physicists Society
