

Aggelos TSAKANIKAS**CURRENT EMPLOYMENT**

Mar. 2010 - today **Assistant Professor**
Laboratory of Industrial and Energy Economics (LIEE), National Technical University of Athens, 9 Heroon Polytechniou str, Zografou Athens, Greece

Teaching Microeconomics, Macroeconomics, Investment Decision, Statistics for Engineers, Business Administration, Technology - Innovation – Entrepreneurship, Industrial Policies and International Competitiveness (Athens MBA course)
 Currently supervising 3 Phds in the area of a) Innovation systems & ICTs in smart cities design b) the Greek productive sector and Global Value Chains, c) Techno-economic evaluation of electric traction systems and green technologies in smart cities development.
 Member of the Examination Committee of 6 Phds in the areas of Research / Innovation Networks and Knowledge Entrepreneurship
 Innovation and knowledge based Entrepreneurship in the ICT sector
 Dynamic capabilities and ICT adoption in Greek municipalities
 Knowledge intensive entrepreneurship, innovation & production technologies in low-tech sectors
 The National road network during the period 1930-1980. The car culture in Greece
 Forecasting of environmental Performance & Social Impact of the Greek manufacturing Industry

Jan 2014 - today **Scientific Advisor**
Foundation for Economic and Industrial Research (FEIR/IOBE),

Head of the Entrepreneurship Observatory of IOBE that participates in the Global Entrepreneurship Monitor (GEM).
 Scientific coordinator of selected research studies

PREVIOUS EMPLOYMENT

May 2007 – Jan. 2014 **Research Director**
Foundation for Economic and Industrial Research (FEIR/IOBE),

Research Coordination and management of research activities in cooperation with the General Director
 Supervision and participation in ad hoc studies undertaken by the Foundation
 Responsible for the monthly Business & Consumer Surveys, the quarterly reports of the Greek Economy, the annual report for the Greek Industry & various periodical & ad- hoc studies.
 Member of the Entrepreneurship Observatory of IOBE (Global Entrepreneurship Monitor).

Sept. 2003 – Aug. 2008 **Lecturer**
Department of Economics, University of Peloponnese

Teaching Corporate Finance, E.U. Economic Policies, Economics of Technology, Introduction in Computing Science, Accounting, Economics Methodology, Entrepreneurship and Business Administration

Apr. 2004 - May 2007 **Research Associate, Business Consumer Surveys Responsible, Macroeconomic Analysis & Policy Department**
Foundation for Economic and Industrial Research (FEIR/IOBE)

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Participation in surveys such as Greek Industry, SEV (yearly studies 2004-2007), Greek Food Industry (yearly study), Business Consumer Surveys (monthly), Investment Surveys (semi-annual), Yearly studies on Entrepreneurship (2004, 2005, 2006), Study on Employment & Work Market (2005), Quarterly studies of the Greek Economy.

Sep. 2003 - **Scientific Advisor**
Mar. 2004 **Managing Authority of Operational Programme (OP) for Information Society, Ministry of Finance. Greece**

Dec. 2000 - **Scientific Advisor**
Feb. 2002 **General Secretariat of Industry (GSI), Ministry of Development, Greece**

Oct. 1997 - **Research fellow**
Jun. 2002 **Laboratory of Industrial and Energy Economics (LIEE), National Technical University of Athens,**
Participated as a researcher in projects related to innovation studies, science and technology policies, etc.

EDUCATION

Oct. 1997 - **Doctor of Philosophy**
Feb. 2002 **School of Chemical Engineering, National Technical University of Athens, Laboratory of Industrial and Energy Economics**
Ph.D. on Economics and Technology Strategy.
Thesis title: Corporate Strategy and Research Joint Ventures, (ISCED 6)

Oct. 1992 - **Diploma**
Oct. 1997 **School of Chemical Engineering, National Technical University of Athens**
Thesis: Financial Analysis on 22 Greek Prefectures of declining industrial activity, (ISCED 5A)

PERSONAL SKILLS

Mother tongue Greek

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B2	B2	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

[Common European Framework of Reference for Languages](#)

Excellent use of MS OFFICE, statistical and econometric software packages (STATISTICA, SPSS, Eviews, Minitab, Matlab), other software for network analysis (UCINET) and EQS for Structural Equation Modelling approaches

OTHER ACADEMIC ACTIVITIES

Scientific coordinator of the academic seminar ATHENPRENEURSHIP 101, organized by the Board of European Students of Technology (BEST), during spring 2017 (a 23 hours weekly seminar).

Member of the Local Organizing Committee of the 15th Globelics Annual conference held in Athens (11-13 October 2017)

Editor for the Greek publication (BrokenHill Publishers) of M.Schilling's, book «Strategic Management of Technological Innovation» (in cooperation with Mrs Anastassia Konstantelou).

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PUBLICATIONS IN JOURNALS (selected)

Chrysomallidis, C., Tsakanikas, A., "The implementation of smart specialization strategy in Greece: Re-balancing governance between the Central State and the Regions" **Regional Science, Policy and Practice**. Vol. 9, Number 3 August 2017.

Giotopoulos, I. Kontolaimou, A., Korra, E. Tsakanikas, A., "What drives ICT adoption by SMEs? Evidence from a large-scale survey in Greece" **Journal of Business Research**, Vol. 81, 2017

Caloghirou, Y, Giotopoulos, I. Korra, E. Tsakanikas, A. "How do employee training and knowledge stocks affect product innovation?" forthcoming in **Economics of Innovation and New Technology**.

Kontolaimou, A., Giotopoulos, I, Tsakanikas, A. "Antecedents of growth-oriented entrepreneurship before and during the Greek economic crisis" **Journal of Small Business and Enterprise Development**. Vol. 24 Issue: 3, 2017.

I.Kastelli, A. Tsakanikas, Y.Caloghirou, "Technology transfer as a mechanism for dynamic transformation in the food sector", forthcoming to **Journal of Technology Transfer**

Giotopoulos, I. Kontolaimou, A. Tsakanikas, A., "Drivers of high-quality entrepreneurship: What changes did the crisis bring about?" **Small Business Economics**, Vol 48, p.p.913-930, 2017

Kontolaimou, A. Giotopoulos, I. Tsakanikas, A. "A typology of European countries based on innovation efficiency and technology gaps: the role of early-stage entrepreneurship", **Economic Modelling**, Vol. 52, Part B, pp. 477-484, 2016

Kopidou, D, Tsakanikas, A., Diakoulaki, D., "Common trends and drivers of carbon emissions and employment: A decomposition analysis in the industrial sector of selected EU countries" **Journal of Cleaner Production**, Vol. 112, No 5, pp. 4159-4172, 2016

Tsakanikas A. - Vasileiadis M., "A Methodological Review of the Greek Annual Industrial Survey", **Journal of Economic and Social Measurement**, Special Issue Volume 38, Number 1 / 2013

. M. Voumvoulakis, G. Asimakopoulou, S. Danchev, G.Maniatis and A. Tsakanikas, "Large scale integration of intermittent renewable energy sources and its impact on the Greek power sector", **Energy Policy**, Vol 50, Nov 2012.

. Danchev S., Maniatis G., Tsakanikas A., "Returns on investment in electricity producing photovoltaic systems under de-escalating feed-in tariffs: The case of Greece", **Renewable & Sustainable Energy Reviews**, Volume 14, Number 1, January 2010.

. A. Tsakanikas, "ICT in Greece and their contribution to business innovations", "Society and Science", Vol 22-23, Autumn 2009, **Sakkoullas Publications** (in Greek)

. Constantelou A., Tsakanikas A., Y. Caloghirou, "Inter-country technological linkages in European Framework Programmes: A Spur to European integration?", **International Journal of Technology Management**, Vol 27, No 8, 2004, pp. 773-790.

. Caloghirou, Y., Kastelli, I, Tsakanikas, A. "Internal capabilities and External knowledge sources: Complements or substitutes for Innovative performance", **Technovation**. Vol. 24, No.1, January 2004, pp.29-39.

. Caloghirou Y., Tsakanikas A., Vonortas, "University – Industry cooperation in the context of the European Framework Programmes", **Journal of Technology Transfer**, Vol. 26, No.1/2, January 2001, pp.153-161.

Publications in International Books (selected)

Caloghirou, Y. Protogerou, A. Tsakanikas, A, "Knowledge Intensive Entrepreneurship: Exploring a taxonomy based on the AEGIS survey", in Dynamics of Knowledge-Intensive Entrepreneurship: Business Strategy and Public Policy, Edited by F.Malerba, Y.Caloghirou, M.McKelvey, S. Radosevic, Routledge Publishing July 2015

II

Caloghirou, Y. Protogerou, A. Tsakanikas, A., “The AEGIS survey: a quantitative analysis of New Entrepreneurial Ventures in Europe”, in Dynamics of Knowledge-Intensive Entrepreneurship: Business Strategy and Public Policy, Edited by F.Malerba, Y.Caloghirou, M.McKelvey, S. Radosevic, Routledge Publishing July 2015

Caloghirou, Y. Protogerou, A. Tsakanikas, A. “Exploring knowledge-intensive entrepreneurship in high-technology and low- technology manufacturing sectors: differences and similarities”, in “Knowledge-intensive Entrepreneurship in Low-Tech Industries” edited by H.Hirsch-Kreinsen and I.Schwinge, Edward Elgar Publishing June 2014

Dumont, M, Tsakanikas, A., “The evolution of intra- and inter-sector knowledge spillovers in the EU Framework Programmes”, Chapter 11 in **Knowledge Flows in European Industry: Mechanisms and Policy Implications**, σε επιμέλεια των Y.Caloghirou, N.Vonortas, N. Constantelou, Routledge Publishing, April 2006.

Tsakanikas, A., Caloghirou, Y., “RJV formation by European firms: strategic considerations”, chapter 4 in **“European Collaboration in Research and Development: Business Strategy and Public Policy”** edited by Y.Caloghirou, N.Vonortas, S.Ioannides, Edward Elgar Publishing, July 2004, pp. 86-128.

Caloghirou, Y. Ioannidis S., Tsakanikas A., Vonortas N., “Subsidized Research joint ventures in Europe”, chapter 3 in **“European Collaboration in Research and Development: Business Strategy and Public Policy”**, edited by Y.Caloghirou, N.Vonortas, S.Ioannides, Edward Elgar Publishing, July 2004, pp.59-85.

Dumont M., Tsakanikas A., “Knowledge spillovers through R&D networking” Chapter 10 in “Innovative Networks: Cooperation in National Innovation Systems” **OECD**, Paris, October 2001, pp.209-231.

Selected International Conferences (reviewed)

Caloghirou, Y. Protogerou, A., Tsakanikas, A. "Heterogeneity in knowledge intensive entrepreneurship: An exploratory exercise in young European firms", 15th Globelics Conference, Athens 11-13 Oct. 2017

Caloghirou, Y. Protogerou, A., Tsakanikas, A., Kastelli, I. “Fostering knowledge-intensive entrepreneurship in tertiary education: Empirical evidence from engineering schools in Greece” 15th Globelics Conference, Athens 11-13 Oct. 2017

Y.Caloghirou, I.Giotopoulos, E.Korra, A.Tsakanikas, “Industry-University R&D Collaboration and Innovative Performance of Greek Manufacturing Firms in Times of Crisis: Do Interactions of Knowledge Flows and Knowledge Stocks Matter? DRUID 2016 conference, Copenhagen, June 2016, Session “Scientific knowledge production: effects of university-industry collaboration”.

Y. Caloghirou, A. Tsakanikas, “The need for a new industrial policy to “innovate out of the crisis”: the case of Greece” The role of industrial policy in European re-industrialization EAEPE Symposium, Krakow 12-13 May 2016.

Protogerou, Y. Caloghirou and A. Tsakanikas, “Knowledge-intensive entrepreneurship in high-technology and low-technology manufacturing sectors”, 28th Annual EAEPE Conference, Manchester, UK, (3 - 5 November 2016). Online proceedings:

Y. Caloghirou, A. Protogerou and A. Tsakanikas, “Developing a taxonomy for knowledge intensive entrepreneurship: An empirical study of young European companies”, 28th Annual EAEPE Conference, Manchester, UK, (3 - 5 November 2016). Online proceedings:

Y. Caloghirou, A. Protogerou, A. Tsakanikas and I. Kastelli, “High-potential entrepreneurship and engineering graduates in Greece”, 28th Annual EAEPE Conference, Manchester, UK, (3 - 5 November 2016).

Y. Caloghirou, A. Protogerou, A. Tsakanikas, I. Kastelli “Knowledge Intensive Entrepreneurship and engineering graduates in Greece” Technology Transfer Society Conference, Dublin 28-30 October 2015.

Y. Caloghirou, I. Giotopoulos, A. Tsakanikas, Eythimia Korra “The role of University – Industry

II

R&D collaboration in innovative and export performance in the midst of a crisis: empirical evidence from Greece” Technology Transfer Society Conference, Dublin 28-30 October 2015.

- . Y. Caloghirou, I. Giotopoulos, A. Tsakanikas “What drives the decision of SMEs to collaborate in R&D?” Technology Transfer Society Conference, Dublin 28-30 October 2015.
- . Y. Caloghirou, A. Protogerou, A. Tsakanikas, N. Vonortas “Founding team, firm, and contextual characteristics associated with knowledge-intensive young business ventures” T2S Annual Conference, Bergamo 8-9 November 2013.
- . A. Tsakanikas, I. Giotopoulos, “The impact of the financial crisis on early-stage entrepreneurship in Europe” T2S Annual Conference, Bergamo 8-9 November 2013.
- . Kastelli, I, Tsakanikas, A, Caloghirou, Y., “The dynamic effects of cooperation: what are the conditions for organizational knowledge creation? European Association for Evolutionary Political Economy Conference (EAEPE), Aix en Provence, November 2002.
- . Kastelli, I, Caloghirou, Y., Tsakanikas, A. “Influential factors in the innovative performance of firms: Some empirical insights”, EAEPE, Siena 8-11 Nov. 2001.
- . Caloghirou, Y., Vonortas, N., Tsakanikas, A. “University – Industry Cooperation in Research and Development” Organizational issues in University – Industry technology transfer, Krannert School of Management, Purdue University, W. Lafayette, Indiana, USA, June 2000.
- . Caloghirou, Y., Constantelou N., Tsakanikas A., “Inter-country technological linkages through European Collaborative Research Programmes: Does Geography (still) matter”, EAEPE, Berlin 2-5 Nov. 2000.

SELECTED PROJECTS

Joint Harmonized Business & Consumer Surveys Programme of EU (1981-2017)

Global Entrepreneurship Monitor (2003-2017)

Programme for Incubation of new business startups «Invent ICT», LIEE, funded by EEKT, 2016-2017.

Support of the Network for Green Entrepreneurship, LIEE funded by EKT / EIE, Sep 2015-December 2016.

ICCS-NTUA Centre of entrepreneurship and innovation EPInoo, funded by the Municipality of Athens in cooperation with ICCS, November 2015-December 2016.

Unveiling Creativity for Innovation & Growth in Europe, 7th FWP, Theme 8: Socio economic Sciences and Humanities (2013-2016)

Entrepreneurship / Networking / Competitiveness Indicators, Research project EVEO-NTUA for NDC/NHRF, November 2014-September 2015.

Innovation & Entrepreneurship Unit/Centre (MoKE) of the National Technical University of Athens, 2012-2015 (Scientific Advisor: Y. Caloghirou)

Research in firms for the anticipation of changes in the productive sector and local labor markets (2010-2014), funded by the Federation of Greek Enterprises (SEV)

Strategic Study for the Development of Human Capital & Innovative Entrepreneurship, Research project for SEV (in cooperation with Remaco), June 2013

“The Development of a Measurement System for the Competitiveness of Greek Enterprises in selected sectors”, funded by the General Secretariat for Industry (in cooperation with Remaco), June 2012

Barriers to commercial utilization of innovations in Greece, Research study funded by GSRT (2011)

Advancing Knowledge-Intensive Entrepreneurship & Innovation for Economic Growth & Social Well-being in Europe, 7th FWP, Theme 8: Socio economic Sciences & Humanities (2009-2011)

“The Emergence of New Industrial Activities: Fusing Services and Manufacture” Human Potential Programme, EU FWP (2002-04).

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- “Socioeconomic Trends Assessment for the Digital Revolution” IST Programme, EU funding (2000-03).
- “Measuring cooperation between research and productive agents” funded by GSRT (2001-2002).
- “Innovation and knowledge-related Flows in the European Industry” TSER Programme, EU FWP (1999-2001).
- “Science and Technology Policies towards Research Joint Ventures” TSER Programme, EU FWP (1998-2000).
- “Investment behaviour and technological options in Greek Industry” GSRT, EPET II, (1996-1998).

SELECTED STUDIES

- A.Tsakanikas, I.Giotopoulos, S. Stavraki, E. Valavanioti, Annual Entrepreneurship Report 2016-2017: Early stage entrepreneurship rates decrease, IOBE, November 2017
- A.Tsakanikas, I.Giotopoulos, E.Korra, S. Stavraki, Entrepreneurship 2015-16: A turning point for the growth dynamics of the business sector, IOBE, November 2016
- C.Chrysomallidis, A. Tsakanikas, I. Giotopoulos, “Report on policy governance of Science Technology and Innovation policy”, March 2015, IOBE
- Preparation of a report providing an evaluation of macroeconomic impact of Greek reforms to improve the business environment and support growth and employment, IOBE, Funded by Task Force, Jan 2014
- A. Tsakanikas, A. Athanasiadis, E.Korra, I.Giotopoulos, “Strategic report for the Pharmaceutical Industry in Greece: Production, Research and Development”, Research project for SFEE, May 2014
- A.Tsakanikas, S.Danchev, I.Giotopoulos, E.Korra, G.Pavlou, “ICT adoption and Digital Growth in Greece”, June 2014, IOBE
- Towards a new model of development: selected sectors and institutional interventions for the period 2014-2020, Research Project for the Hellenic Ministry of Finance, December 2013
- M.Vassiliadis, N. Ventouris, P.Vlahou, A.Tsakanikas, “The perspectives of the manufacturing sector in Greece” IOBE, January 2012
- S.Danchev, A.Tsakanikas, N.Ventouris, “Cloud Computing: A driver for Greek Economy Competitiveness”, IOBE, November 2011
- S. Danchev S., E. Korra, G. Maniatis, A. Tsakanikas A., M. Vassiliadis “Mobile Communications: Catalyst on the new Growth Model of the Greek Economy”, IOBE, May, 2010
- S. Ioannidis, A.Tsakanikas, S. Hatzichristou “Annual Entrepreneurship Report 2009-2010: Looking for a way out of the crisis”, IOBE, Athens, December 2010.
- G. Maragkou, A.M. Polykreti, A. Tsakanikas, “Innovation of Greek Enterprises and high technology sectors”, sectoral research No. 219, IOBE, Athens, March 2008.
- “Promoting/Strengthening youth and women’s entrepreneurship in Greece” S.Ioannidis, A.Tsakanikas, Expertise project for Ministry of Economy, Development and Tourism, June 2008.

OTHER

- Referee for the Journals **Technovation, International Journal of Production Economics, Small Business Economics**
- Member of the Greek Research Team for the IMD Competitiveness Report
- Member of the Advisory Board of ELSTAT
- Vice chairman of the **Hellenic Industrial Property Organisation** (from April 2017 to December 2017)