

Curriculum Vitae

NICHOLAS S. VONORTAS

APPOINTMENTS

Primary:

Center for International Science and Technology Policy The George Washington University 1957 E Street, N.W., Suite 403 Washington, D.C. 20052 USA	&	Department of Economics The George Washington University 2215 G Street, N.W. Monroe Hall, Suite 340 Washington, D.C. 20052 USA
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Secondary:

São Paulo Excellence Chair (SPEC)
Departamento de Política Científica e Tecnológica
Universidade Estadual de Campinas (UNICAMP)
Campinas, Brasil

Leading Research Fellow
Institute for Statistical Studies and Economics of Knowledge
National Research University Higher School of Economics (HSE)
Moscow, Russian Federation

Editor:

Science and Public Policy (Journal)

EDUCATION

Ph.D., 1989, New York University, U.S.A. (Economics)
M.Phil., 1987, New York University, U.S.A. (Economics)
M.A., 1983, Leicester University, U.K. (Economic Development)
B.A., 1981, National and Kapodistrian University of Athens, Greece (Economics)

FIELDS OF SPECIALIZATION

Applied Microeconomics / Economics of Technological Change and Innovation
Strategic Business Partnerships / Innovation Networks
Science, Technology, and Innovation Strategy and Policy / R&D Program Assessment

PROFESSIONAL EXPERIENCE

i. Academic Appointments

Professor of Economics and International Affairs, Department of Economics & Center for International Science and Technology Policy (CISTP), George Washington University, 2004 - present; Associate Professor, 1996-2004; Assistant Professor 1990-1996.

São Paulo Excellence Chair (SPEC) in Science and Technology Policy, State University of Campinas (UNICAMP), State of São Paulo, Brazil, 2014-2019.

Leading Research Fellow, Institute for Statistical Studies and Economics of Knowledge (ISSEK), Higher School of Economics, National Research University, Moscow, Russian Federation, 2015-2016.

Instructor of Economics, Department of Economics, New York University, 1986-1988.

ii. Administrative Positions

Director, Center for International Science and Technology Policy (CISTP), George Washington University, 2001 – 2012; Deputy Director, 1998-2001.

Director, Graduate Program on International Science and Technology Policy (ISTP), George Washington University, 1998 – 2012.

Dean's Council, Elliott School of International Affairs (several terms).

Chair and member of faculty hiring committees, Elliott School of International Affairs.

Appointments, Promotion and Tenure Committee, Elliott School of International Affairs.

Advisory Council on Research, George Washington University.

Academic Excellence Committee, George Washington University.

Steering Committee for the doctoral Public Policy Program.

iii. Visiting Positions, Research

Visiting Professor, Graduate School of Management of Technology (MOT), Korea University, Seoul, Republic of Korea, 2016-.

Visiting Professor, Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE), University of Lund, Sweden, Spring 2013.

Visiting Scholar, Joint Institute for Innovation Policy (JIIP), Brussels, Belgium, Spring 2013.

Visiting Professor, Fundacao Getulio Vargas (FGV), Rio de Janeiro, Brazil, Fall 2012.
Visiting foreign lecturer summer 2014, 2015

Visiting Scholar, Centro Universitario de Brasilia (UniCEUB), Brasilia, Brazil, September 2012.

Research Associate, CESPRI-KITeS, Luigi Bocconi University, Milano, Italy, 2001 – 2012.

Research Associate, Management Science Laboratory, Athens University of Economics and Business, Greece, 2001 – 2011.

Research Associate, Laboratory for Industry and Energy Economics, National Technical University of Athens, Greece, 1998 – present.

Visiting Scholar, Maastricht Economic Research Institute on Innovation and Technology (MERIT), University of Maastricht, Netherlands, Fall 1997.

Visiting Scholar, National Technical University of Athens, Greece, Spring 1998.

Research Associate, Center for Science and Technology Policy, New York University and Rensselaer Polytechnic Institute, 1985 – 1989.

Intern, United Nations Centre for Transnational Corporations, New York, 1984.

iii. Journal Editor / Editorial Board / Editorial Council

Editor, Science and Public Policy, 2010 – present.

Editorial Board, Asian Research Policy, 2013 – present.

Editorial Council, Foresight and STI Governance, 2015 – present.

Advisory Board, Research Evaluation, 2010 – 2015.

Advisory Board, Innovations, 2006 – 2010.

iv. Book Series Editor

Editorial Board, Science, Technology and Innovation Studies, Springer Publishers, 2014-present

v. Research Funding - Consulting

U.S. National Science Foundation (NSF)

U.S. National Research Council, National Academies of Science (NRC/NAS)

U.S. Department of Commerce, Advanced Technology Program (ATP)

U.S. Department of Commerce, National Institute of Standards and Technology (NIST)

U.S. Small Business Administration (SBA)

U.S. Department of Energy, Office of Science (DOE/OS)

U.S. National Aeronautics and Space Administration (NASA)

European Commission, DG Research and Innovation

European Commission, DG Information Society and Media

European Commission, DG Enterprise

European Commission, Washington Delegation

Organization for Economic Cooperation and Development (OECD)

United Nations Conference on Trade and Development (UNCTAD)

United Nations, Economic and Social Commission for Western Asia (UN/ESCWA)

The World Bank, Private Sector Development, Middle East, Caucasus

Ministry of Economy, Trade and Industry, Japan (METI)

Science and Technology Policy Institute, Republic of Korea (STEP)

Korea Institute of S&T Evaluation and Planning, Republic of Korea (KISTEP)

SRI International

General Secretariat for Research and Technology, Greece

National Statistical Agency, Greece

vi. Advisory Committees, Boards

Innovation Policy Forum, National Research Council, US National Academies of Science, 2015-.

Academic Council, Master Program “Governance of Science, Technology and Innovation”, Institute for Statistical Studies and Economics of Knowledge, National Research University Higher School of Economics, Moscow, Russian Federation, 2014-.

Advisory Committee for International Science and Engineering, U.S. National Science Foundation, 2006-2011.

- Acting Chair, Strategic Planning Panel, 2011

- Chair, Committee of Visitors, International Science & Engineering Programs, 2011

Chair, Evaluation Panel, “Industrial Clusters” Competition, General Secretariat for Research and Technology (GSRT), Ministry of Education and Continuous Learning, Greece, 2011-2012.

Chair, George Washington University faculty Taskforce on Science Policy Institute, 2010.

International Advisory Board on Evaluation and Impact Analysis, VINNOVA, Sweden, 2007-2009.

Board of Directors, Korea-U.S. Science Cooperation Center, Korea National Research Foundation (NRF), 2006-2012.

vii. Expert Committees – Testimony

Member of the Expert Panel advising on the Economic Development of Low Earth Orbit Activities and the International Space Station, US National Aeronautics and Space Administration (NASA), 2014-2015.

Member of the External Experts Committee evaluating the quality and progress of the Department of Economics of the National and Kapodistrian University of Athens, Greece (February-March 2014)

Chair of the High-Level Expert Panel developing a “Monitoring & Evaluation Roadmap” for the Directorate-Generale Information Society and Media (INFSO), European Commission (January-December 2006)

Member and Rapporteur of the High-level Expert Panel for the 5-Year Assessment of the EU Framework Programmes on Research and Technological Development, Directorate-Generale Research and Innovation, European Commission (May – December 2004)

Member of the Panel for the project “Innovation Models for Aerospace Technologies”, Board on Science, Technology and Economic Policy, US National Academies of Science (NAS), (Spring 2004 – Spring 2005)

Member of the Working Group on “Innovation Infrastructure and the Environment” for the “National Innovation Initiative”, organized by the US Council on Competitiveness (February – December 2004)

Member of the Subpanel of the Basic Energy Sciences Advisory Committee (BESAC) of the Department of Energy to examine DOE’s Office of Science approach to performance measurement in view of GPRA (Jan. 24-25, 2002)

Member of STRATA-ETAN Expert Group on Intellectual Property Rights in Publicly Funded Research & Development (European Commission – 2001-2003)

Member of STRATA-ETAN Expert Group on Intellectual Property Rights in International Collaboration (European Commission – 2000-2001)

Testified in joint hearings by the Federal Trade Commission and the Antitrust Division, US Department of Justice on the potential usefulness of guidelines on research joint ventures (May 1997)

LEADERSHIP IN PROFESSIONAL ORGANIZATIONS / INT’L EVENTS

Co-founder of the Washington Research Evaluation Network (WREN), a forum for informed discussion, research, and decision-making on R&D program evaluation. Open membership included public and private sector practitioners, academics, and consultants. Co-Principal organizer of the first major international conference of WREN at the George Washington University, December 4-5, 2003. Co-organizer of the second international conference of WREN in collaboration with the

European Commission, Brussels, June 17-18, 2004, and of the third international conference of WREN in Seoul, Republic of Korea, May 31 – June 1, 2005. Co-Principal organizer of the fifth year anniversary international conference of WREN at the George Washington University, December 3-4, 2008. Co-organizer of smaller workshops, especially as they relate to ex ante program evaluation (investment strategy).

Co-organizer, first Science of Science Policy (SoSP) Conference on S&T Evaluation Roadmap (2008)

Co-organizer, Science of Science Policy (SoSP) Conference on Best Practices in R&D Appraisal and Prioritization (2009)

Organizing Committee, 5th International Industrial Organization Conference (2007)

Co-organizer, Annual Conference, Technology Transfer Society (2010)

Co-organizer, GW Conference on Science and Technology Policy (2010)

Co-organizer, GW Conference on Developing Country Adaptation to Climate Change (2011)

Co-organizer, GW Workshop on Context-Driven Technology Choice for Development (2015)

Organizer, International Workshop “Demand-Side Policies for Innovation / Public Procurement for Innovation”, University of Campinas, Brazil (2015)

Organizer, Workshop “The Geography of Innovation and Entrepreneurship”, The World Bank Group, Washington DC, April 26, 2016.

Co-organizer, special Globelics session “Lessons for priority setting and indicators relevant to the impact of research programmes in Europe and Emerging Economies: An evidence-based debate between the research and the policy-shaping community”, STI Conference 2016 “Peripheries, Frontiers and Beyond”, Valencia, Spain.

Organizer, International Conference “Science, Technology and Innovation Networks conduit to Knowledge-Based Entrepreneurship”, University of Campinas, Brazil (2017)

Nicholas S. Vonortas

Organizer, International Workshop “Technology Futures Analysis and Research Portfolios”, University of Campinas, Brazil (2017)

Co-organizer, D. Allan Bromley Memorial Lecture (annual, with U. Ottawa)

PUBLICATIONS

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i. Books

Public Procurement for Innovation, editor, Edward Elgar, 2015 (Co-editors, Jakob Edler, Charles Edquist, Jon Mikel Zabala-Iturriagoitia)

Innovation Policy: A Practical Introduction, editor, Springer, 2014 (Co-editors, Phoebe C. Rouge, Anwar Aridi)

Handbook on the Theory and Practice of R&D Program Evaluation, editor, Edward Elgar, 2013 (Co-editor, Al Link)

Innovation Networks in Industries, editor, Edward Elgar, 2009 (Co-editor, Franco Malerba)

The Innovation Imperative: National Innovation Strategies in the Global Economy, editor, Edward Elgar, 2009 (Co-editors, Goran Marklund, Charles Wessner)

Knowledge Flows in European Industry: Mechanisms and Policy Implications, editor, Routledge, 2006 (Co-editors, Yannis Caloghirou, Natasha Constantellou)

European Collaboration in Research and Development: Business Strategies and Public Policies, editor, Edward Elgar, 2004 (Co-editors, Yannis Caloghirou and Stavros Ioannides)

Cooperation in Research and Development, Kluwer Academic Publishers, 1997

Cooperative Research in R&D-Intensive Industries, Avebury Academic Publishers, 1991

ii. Other Edited Volumes

Strategic Research Partnerships, editor, National Science Foundation, 2001 (Co-editors John E. Jankowski and Albert N. Link)

iii. Refereed Articles

- “Context Appropriate Technologies for Development: Choosing for the Future”,
Technological Forecasting and Social Change, forthcoming. (With David Feige)
- “Towards A Broad Understanding of Innovation - Implications for Innovation Policy”,
Journal of Technology Transfer, forthcoming. (With Dirk Meissner and Wolfgang Polt)
- “Market, Firm and Project-Level Effects on the Innovation Impact of Collaborative R&D Projects”, *Journal of the Knowledge Economy*, forthcoming. (With Konstantinos C. Kostopoulos, Yiannis Spanos, Klas Eric Soderquist, and Gregory Prastacos)
- “The Impact of Government R&D Subsidy on Firm Performance: Evidence from Korean SMEs”, *Small Business Economics*, forthcoming. (With Beom Cheol Cin and YoungJun Kim)
- “Does Exposure to University Research Matter? Evidence from Europe”, *Asian Research Policy*, forthcoming. (With Yannis Caloghirou and Aimilia Protopogerou)
- “From Research Project to Research Portfolio: Meeting Scale and Complexity”, *Foresight and STI Governance*, 2015, 9(2): 38-43. (With Jonathan Linton)
- “Strategic Technology Alliances and Networks”, *Economics of Innovation and New Technology*, 2015, 24(5): 490-509. (With Lorenzo Zirulia)
- “Antecedents of Innovation Impacts in Publicly Funded Collaborative R&D Projects”,
Technovation, 2015, 36-37: 53-64. (With Yiannis Spanos and Irimi Voudouri)
- “Managing Risk in the Formative Years: Evidence from Young Enterprises in Europe”,
Technovation, 2014, 34(8): 454-465. (With YoungJun Kim)
- “Cooperation in the Formative Years: Evidence from Young Enterprises in Europe”,
European Management Journal, 2014, 32(5): 795-805. (With YoungJun Kim)
- “Academic Entrepreneurship: An American (Individualistic) Perspective”, *Asian Research Policy*, 2013, 4(2). (With James D. Kettenhofen)
- “Network Structure and Robustness: Lessons for Research Programme Design,”
Economics of Innovation and New Technology, 2013, 22(4): 392-411. (With Koichiro

Okamura)

- “Social Networks in R&D Program Evaluation”, *Journal of Technology Transfer*, 2013, 38(5): 577-606.
- “Scale and Performance in Publicly Funded Collaborative Research and Development”, *R&D Management*, 2012, 42(5): 494-513. (With Yiannis E. Spanos)
- “The Value of Flexibility in Adapting to Climate Change: A Real Options Analysis of Investments in Coastal Defense”, *Climate Change Economics*, 2012, 3(2): 1250008-1-1250008-33. (With Peter Linqiti)
- “Uncertainty, Networks and Real Options”, *Journal of Economic Behavior and Organization*, 2010, 75(3): 523-541. (With Isabelle Bajeux-Besnainou and Sumit Joshi)
- “Exclusivity in Licensing Alliances”, *Strategic Management Journal*, 2010, 32(2): 159-186. (With Deepak Somaya and Young-Jun Kim)
- “Networked Research: European Policy Intervention for Information & Communication Technologies”, *Technology Analysis and Strategic Management*, 2009, 21(7): 833-857. (With Stefano Breschi, Franco Malerba, Lorenzo Cassi)
- “Research Partners”, *International Journal of Technology Management*, 2009, 46(3/4): 280-306. (With Koichiro Okamura)
- “Research Networks as Infrastructure for Knowledge Diffusion in European Regions”, *Economics of Innovation and New Technology*, 2008, 17(7/8): 663-676. (With Nicolletta Corrocher, Franco Malerba, Lorenzo Cassi)
- “The Impact of EU-funded Research Networks on Knowledge Diffusion at the Regional Level”, *Research Evaluation*, 2008, 17(4): 283-293. (With Nicolletta Corrocher, Franco Malerba, Lorenzo Cassi)
- “Risk Financing for Knowledge-Based Enterprises: Mechanisms and Policy Options”, *Science and Public Policy*, 2007, 34(7): 475-488. (With Guy Ben-Ari)
- “Real options framework to assess public research investments”, *Science and Public Policy*, 2007, 34(10): 699-708. (With Chintal Desai)

- “S&T parks and business incubators in middle-sized countries: The case of Greece”, *Journal of Technology Transfer*, 2007, 32(5): 525-544. (With Evangelia Sofouli)
- “Intellectual property protection mechanisms in research partnerships”, *Research Policy*, 2006, 35(6): 825-38. (With Henry Hertzfeld and Al Link)
- “Determinants of technology licensing”, *Managerial and Decision Economics*, 2006, 27(4): 235-49. (With YoungJun Kim)
- “Technology licensing partners”, *Journal of Economics and Business*, 2006, 58(4): 273-89. (With YoungJun Kim)
- “European alliance and knowledge networks”, *Technology Analysis and Strategic Management*, 2006, 18(5): 535-60. (With Koichiro Okamura)
- “Managing large research partnerships”, *Technovation*, 2006, 26(10): 1101-10h. (With Richard N. Spivack)
- “Multiproject contact in research joint ventures: Evidence and theory”, *Journal of Economic Behavior and Organization*, 2005, 58(4): 459-86. (With Christopher Snyder)
- “Evaluating the European Union’s Research Framework Programmes: 1999-2003”, *Science and Public Policy*, 2005, 32(5): 399-406. (With Erkki Ormala)
- “Antitrust policy, interface compatibility standards, and information technology”, *Knowledge, Technology & Policy*, 2005, 18(2): 126-47. (With Thomas Hemphill)
- “Research joint ventures: A critical survey of theoretical and empirical literature”, *Journal of Economic Surveys*, 2003, 17(4): 541-70. (With Yannis Caloghirou and Stavros Ioannides.)
- “Strategic Research Partnerships: A Managerial Perspective”, *Technology Analysis and Strategic Management*, 2003, 15(2): 255-71. (With Thomas Hemphill.)
- “The performance of research partnerships”, *Managerial and Decision Economics*, 2003, 24(2-3): 85-99. (With Yannis Caloghirou and George Hondroyannis.)
- “Building competitive firms: Technology policy initiatives in Latin America”, *Technology in Society*, 24, 2002.

- “Science and technology policies towards research joint ventures”, *Science and Public Policy*, 2002, 29(2): 82-94. (With Yannis Caloghirou and Stavros Ioannides.)
- “Toward an integrated model of strategy formulation for strategic technical alliances”, *International Journal of Technology Transfer and Communications*, 1(3), 2002. (With Chung-Shing Lee.)
- "Convergence to symmetry in dynamic strategic models of R&D: The undiscounted case," *Journal of Economic Dynamics and Control*, 2001, 25(12): 1881-97. (With Sumit Joshi.)
- “University-industry cooperation in the context of the European Framework Programmes”, *Journal of Technology Transfer*, 2001, 26(1-2): 153-61. (With Yannis Caloghirou and Aggelos Tsakanikas.)
- “Apprentissage et cooperation a travers la recherche-developpement”, *Technologies, Ideologies, Pratiques*, XIV(1), 2000. (With Rigas Arvanitis.)
- “Technology Policy in the United States and the European Union: Shifting Orientation Towards Technology Users,” *Science and Public Policy*, 2000, 27(2): 97-108.
- “Research Partnerships,” *Research Policy*, 2000, 29(4-5): 567-86. (With John Hagedoorn and Albert Link.)
- “Multimarket contact and inter-firm cooperation in R&D,” *Journal of Evolutionary Economics*, 2000, 10(1-2): 243-71.
- “Participation of European Union Companies in US Research Joint Ventures”, *The IPTS Report*, 2000. (With Albert Link.)
- “Towards the knowledge-based economy: United States and its APEC partners”, *Journal of APEC Studies*, 1(2), 2000. (With Adam Tolnay)
- “How do participants in research joint ventures diversify?”, *The Review of Industrial Organization*, 1999, 15(3): 263-81.
- "R&D project selection in the public sector," *Journal of Policy Analysis & Management*, 1998, 17(4): 621-38. (With Henry R. Hertzfeld.)
- “Strategic alliances in information technology and developing country firms: Policy

perspectives,” *Science, Technology and Society*, 3(1), 1998.

“Research joint ventures: The use of databases”, *The IPTS Report*, May 1998.

"Research joint ventures in the United States", *Research Policy*, 1997, 26(4-5): 577-95.

"Process innovation in small firms: Case studies on CNC machine tools," *Technovation*, 1997, 17(8): 427-38. (With Lan Xue.)

"Strategic alliances in information technology and developing country firms I: Recent evidence," *World Development*, 1997, 25(5): 657-80. (With Stratos P. Safioleas.)

"Two-stage R&D competition: An elasticity characterization," *Southern Economic Journal*, 1996, 62(4): 930-37. (With Sumit Joshi.)

"New directions for U.S. science and technology policy: The view from the R&D assessment front," *Science and Public Policy*, 22(1), 1995.

"Inter-firm cooperation with imperfectly appropriable research," *International Journal of Industrial Organization*, 1994, 12(3): 413-35.

"Cournot equilibrium with imperfectly appropriable R&D," *Journal of Industrial Economics*, 1994, 42(1): 79-92. (With R. David Simpson.)

"Emerging patterns of multinational enterprise operations in developed market economies: Evidence and policy," *Review of Political Economy*, 1990, 2(2): 188-220.

iv. Refereed Paper Series

“Partnerships and Networking in Science and Technology for Development”, Technology for Development Paper Series, United Nations Conference on Trade and Development, Geneva: UNCTAD, 2002 (UNCTAD/ITE/TEB/11).

v. Book Chapters

“Protein Crystallization for Drug Development: A Prospective Empirical Appraisal of Economic Effects of ISS Microgravity”
in Patrick Besha and Alexander MacDonald (eds) Economic Development of Low Earth

Orbit, NASA, 2016.

“Innovation Systems of Ethanol in Brazil and the United States: Making a New Fuel Competitive” (With Luciano Cunha de Sousa, Inaiê Takaes Santos, and Demétrio Florentino de Toledo Filho)
in Sergio L. M. Salles-Filho, J. M. J. Silveira, S. Trindade, and M. G. D. Fonseca (eds) Futures of Bioethanol: A Global Perspective, Elsevier, 2016.

“Managing Risk in New Entrepreneurial Ventures” (With YoungJun Kim)
in Yannis Caloghirou, Franco Malerba, Maureen McKelvey, and Slavo Radosevic (eds), Dynamics of Knowledge-Intensive Entrepreneurship: Business Strategy and Public Policy, Routledge, 2016.

“Research and Technology Alliances”
in David Audretsch, Christopher Hayter, and Albert N. Link (eds.) Concise Guide to Entrepreneurship, Technology and Innovation, Edward Elgar, 2015.

(a) “Introduction” (with Charles Edquist and Jon Mikel Zabala)
(b) “Conclusions” (with Jacob Edler, Charles Edquist and Jon Mikel Zabala)
(c) “Innovative Public Procurement in the United States”
in Jacob Edler, Charles Edquist, Nicholas S. Vonortas and Jon Mikel Zabala (eds), Public Procurement for Innovation, Edward Elgar, 2015.

(a) “Introduction”
(b) “University Entrepreneurship” (with Cherilyn E. Pascoe)
(c) “Strategic Alliances / Knowledge-Intensive Partnerships” (with Timothy Williams)
in Nicholas S. Vonortas, Phoebe C. Rouge and Anwar Aridi (eds), Innovation Policy: A Practical Introduction, Springer, 2014.

“The Value of Flexibility in Adapting to Climate Change: A Real Options Analysis of Investments in Coastal Defense” (With Peter Linquiti)
in David I. Stern, Leo Dobes, and Frank Jotzo (eds) Climate Change and the World Economy, part of the book series The International Library of Critical Writings in Economics, Edward Elgar, May 2014.

(a) “Introduction” (with Albert N. Link)
(b) “Network Analysis”
in Albert N. Link and Nicholas S. Vonortas (eds), The Theory and Practice of R&D Program Evaluation, Edward Elgar, February 2013.

“Knowledge-Intensive Entrepreneurship in Europe: Some Policy Implications”, in Franco Malerba (ed), Knowledge-Intensive Entrepreneurship and Innovation Systems, Routledge, 2010.

“Scale and Scope in Research”, in Henri Delanghe, Ugur Muldur, and Luc Soete (eds), European Science and Technology Policy: Towards Integration or Fragmentation?, Edward Elgar, 2009.

- (a) “Innovation Networks in Industries and Sectoral Systems: An Introduction” (with Franco Malerba);
 - (b) “Partnership Networks and Knowledge Networks in Five Sectors” (with Koichiro Okamura);
 - (c) “Innovation Networks in Industries”; “European Policy Favoring Networks in ICT” (with Stefano Breschi, Lorenzo Cassi, and Franco Malerba);
 - (d) “Evaluating the Links Between Research and Deployment Networks of Innovation in Information Society in Europe” (with Lorenzo Cassi, Nicoletta Corrocher, and Franco Malerba);
- in Franco Malerba and Nicholas S. Vonortas (eds), Innovation Networks in Industries, Edward Elgar, 2009.

- (a) “Introduction” (with Goran Marklund and Charles Wessner);
 - (b) “Conclusion” (with Goran Marklund and Charles Wessner);
 - (c) “European Research Framework Programmes in a Global Context: Targets, Impacts, Lessons for the Future”;
- in Goran Marklund, Nicholas S. Vonortas and Charles Wessner (eds), The Innovation Imperative: National Innovation Strategies in the Global Economy, Edward Elgar, 2009.

- (a) “Introduction” (with Yannis Caloghirou and Anastasia Constantellou);
- (b) “Theoretical Foundations and Key Concepts” (with Yannis Caloghirou and Anastasia Constantellou);
- (c) “An Operational Framework for the Study of Knowledge Flows” (with Yannis Caloghirou and Anastasia Constantellou);
- (d) “Knowledge Flows in European Industry: An Overview of Evidence from Surveys and Case Studies” (with Yannis Caloghirou and Anastasia Constantellou);
- (e) “Overview of Innovation Policy Affecting Knowledge Flows in EU Member States” (with Yannis Caloghirou and Anastasia Constantellou);
- (f) “Towards a New Agenda for Enhancing Knowledge Flows in Europe” (with Yannis Caloghirou and Anastasia Constantellou);

in Yannis Caloghirou, Anastasia Constantellou, and Nicholas S. Vonortas (eds.) Knowledge Flows in European Industry: Mechanisms and Policy Implications, Routledge, 2006. (With Yannis Caloghirou and Anastasia Constantellou.)

“Collaborate to collude? Multimarket and multiproject contact in R&D”, chapter in Peter Grossman (ed.) How Cartels Endure and How They Fail: Studies of Industrial Collusion, Edward Elgar, 2004. (With Yongsuk Jang.)

“Business model innovation in the digital economy”, in Georgios I. Doukidis, Nikolaos Mylonopoulos and Nancy Pouloudi (eds.), Social and Economic Transformation in the Digital Era, IDEA Group Publishing, 2004. (With Chung-Shing Lee.)

“Real options for public sector R&D investments”, in Stephan Kuhlmann and Philip Shapira (eds.), Learning from Science and Technology Policy Evaluation: Experiences from the United States and Europe, Edward Elgar, 2004. (With Matthew Lackey.)

“US policy towards research joint ventures”, in Yannis Caloghirou, Stavros Ioannides and Nicholas S. Vonortas (eds.), Industrial Collaboration in Research and Development, Northampton, MA: Edward Elgar, 2004.

“Towards the knowledge-based economy: United States and its APEC partners”, in Albert N. Link and Maryann Feldman (eds.) Technology Policy for the Knowledge-Based Economy, Kluwer Academic Publishers, 2001. (With Adam Tolnay.)

“Multimarket contact and inter-firm cooperation in R&D”, in D. C. Mueller and U. Cantner (eds.) Capitalism and Democracy in the 21st Century, Heidelberg: Physica-Verlag, 2001.

"Dynamic cooperation in R&D with research externalities," in J. Poyago-Theotoky (ed.) R&D Cooperation: Theory and Policy, Macmillan, 1997. (With Sumit Joshi.)

vi. Edited Paper Collections in Journals

“Evidence Never Lies: New Frontiers in Evaluation”, editor, Science and Public Policy, 34(10), 2007. (Co-editors, Klaus Zinoecker and Michael Stampfer)

“Evaluation of European Union Framework Programmes: The 2004 Five-Year Assessment”, editor, Science and Public Policy, 32(5), 2005. (Co-editor S. Hinze).

“Technology Alliances: Strategy, Evolution, Knowledge Management”, editor, *International Journal of Technology Management*, 2004, 27(8): 689-93. (Co-editor B. Bowonder)

“Strategic Research Partnerships: Economic, Managerial, and Policy Implications”, editor, *Technology Analysis and Strategic Management*, 2003, 15(2): 155-57. (Co-editors John Hagedoorn and Albert N. Link.)

“Technology Transfer and Learning Through Strategic Technical Alliances: International Experiences”, editor, *The Journal of Technology Transfer*, 2000, 25(1): 9-12. (Co-editor Rigas Arvanitis.)

vii. Invited Articles

“Innovation als Resultat der EU-Rahmenprograme fr Forschung und Technologische Entwicklung? Eine Untersuchung der Effekte auf die Forschungs und Innovationsaktivitaten der Teilnehmer” *Forschung: Politik-Strategie-Management*, 2009: 2: 31-34. (With Wolfgang Polt and Robbert Fisher.)

"Risk Financing for Knowledge-Based Enterprises", Featured Story, Management Science Laboratory, Athens University of Economics and Business, July-August 2007. (<http://www.msl.aueb.gr>)

“Strategic innovation alliances and science and technology policy”, *Encyclopedia of Life Support Systems* (UNESCO), 2003. (With Patrick Murphy)

“Information technology: Developing country firms enter the global network”, *iMP*, March, 2000. (<http://www.cisp.org>) (With Rebecca Dodder)

“Intellectual property rights and knowledge dissemination in research joint ventures,” Commentary, *Science Communication*, 19(1), 1997.

viii. Conference Proceedings

“International Research-based University Collaboration”, Conference Proceedings XVI April International Academic Conference on Economic and Social Development, Section Science and Innovation, National Research University Higher School of

- Economics, Moscow, Russian Federation, 2015. (With Antonina Gromyko)
- “Technology Foresight in Developing Countries”, Conference Proceedings Science, Technology and Innovation Policy: Foresight, Growth, Roadmaps, Sectoral Impact Assessment and Alliances, Indian National Science Academy, New Delhi, 2015. (With David Feige)
- “A Text Mining Model for Strategic Alliance Discovery”, 45th Hawaii International Conference on System Sciences (HICSS), Hawaii, USA, 2011.
- “Trends and Perspectives in the Era of Globalization”, Conference Proceedings “Greek Manufacturing: Towards the Knowledge Society”, Technical Chamber of Greece, Athens, Greece, 2006.
- “Determinants of technology licensing”, in D. H. Nagao (ed.) Academy of Management Best Paper Proceedings of the Sixty-fourth Annual Meeting, 2004, A1-A6. (With Young Jun Kim)
- “Technology Licensing”, in Patents, Innovation and Economic Performance: OECD Conference Proceedings, Directorate for Science, Technology and Industry, Organization for Economic Cooperation and Development, Paris: OECD, 2004.
- “Technology Policy in the United States and the European Union”, in Science and Technology Policies for the 21st Century, Conference Proceedings, Economic and Social Commission for Western Asia (ESCWA), United Nations, 1999.
- "Effective use of technical resources: Electromechanical engineering," in Herbert I. Fusfeld (ed.) Effective Use of Global Technical Resources, Center for Science and Technology Policy, Rensselaer Polytechnic Institute, 1993.
- "Inter-firm cooperation in imperfectly appropriable research," in S. Okamura, K. Murakami and I. Nonaka (eds.) Science and Technology Policy Research: What Should Be Done? What Can Be Done?, National Institute of Science and Technology Policy (STA - Japan), 1992.
- "Economic interdependence among developed market economies and multinational enterprises," in Herbert I. Fusfeld, ed., Changing Global Patterns of Industrial Research and Development, Center for Science and Technology Policy, Rensselaer Polytechnic Institute, 1989.

"The role of small and medium size enterprises in collective activities," in Herbert I. Fusfeld and Richard R. Nelson, eds., *Cooperation and International Competitiveness*, Center for Science and Technology Policy, Rensselaer Polytechnic Institute, 1988. (With Sigvard Tomner).

ix. Reports

Protein Crystallization for Drug Development: A Prospective Empirical Appraisal of Economic Effects of ISS Microgravity, US National Aeronautics and Space Administration (NASA), 2015.

Fostering Entrepreneurship in Armenia, Directions in Development, core contributor, Smita Kuriakose (ed.), Washington, DC: The World Bank, 2013.

Fostering Entrepreneurship in Azerbaijan, Directions in Development, core contributor, Smita Kuriakose (ed.), Washington, DC: The World Bank, 2013.

Fostering Entrepreneurship in Georgia, Directions in Development, core contributor, Smita Kuriakose (ed.), Washington, DC: The World Bank, 2013.

“Promoting Strategic Alliances for Innovation Capacity”, chapter contribution to the Technology and Innovation Report 2012 Exploring the South for Technology and Innovation Capacity, United Nations Conference on Trade and Development (UNCTAD).

Innovation Policy Handbook, Washington DC: The World Bank, 2012. (With Anwar Aridi et al.)

ICT Network Impact on Structuring a Competitive European Research Area, European Commission, DG Information Society and Media, 2011. (With Stefano Breschi, Robbert Fisher, Franco Malerba, Koichiro Okamura, Siemon Smid)

Public Procurement and Innovation in the United States, Embassy of Finland, 2011.

Scale and Scope as Drivers of the European Research Area, European Commission, DG Research, 2010. (With Wolfgang Polt, Robbert Fisher, Yiannis Spanos, Michael Dinges, Babis Ipektsides, Maria Pateraki)

Trends and Evolution of the EU ICT Research and Deployment Landscape, European Commission, DG Information Society and Media, 2010. (With Franco Malerba,

Nicoletta Corrocher, Lucia Cusmano)

The Contribution of the Athens International Airport to the Greek Economy, Athens University of Economics and Business, Athens, Greece, 2009. (In Greek) (With Gregory Prastacos, Costas Costopoulos, and Nicholas Stroblos)

Evaluation Manual for ICT Research in FP7: Joint Technology Initiatives, European Commission, DG Information Society and Media, 2009. (With Michael Dinges and Wolfgang Polt)

Participation in the Sixth Framework Programme for Research, European Commission, DG Research, 2008. (FP6 Evaluation Panel)

Analysing and Evaluating the Impact on Innovation of Publicly Funded Research Programmes: Lot 1 – Evaluation of the Impact on Innovation of Projects of Community 5th and 6th Framework Programmes”, European Commission, DG Enterprise, 2008. (With Robbert Fisher and Wolfgang Polt.)

Real Options for Research Investment Portfolio Analysis at the U.S. Department of Energy, Office of Science, US Department of Energy, 2008.

Research on the Factors of Success of Public Policies Regarding Science, Technology and Innovation, Special Secretariat for Competitiveness, Greek Ministry of Development, May 2007.

Biodefense and Homeland Security Technology Development: Analysis of U.S. Policies and Process of Selection, International Access Corporation for the Ministry of Economics, Trade and Industry, Japan, March 2007.

Networks of Innovation in Information Society: Development and Deployment in Europe, Final Report, European Commission, DG Information Society and Media, 2007. (With Franco Malerba, Nicoletta Corrocher, Lorenzo Cassi, and Caroline Wagner.)

IST Evaluation and Monitoring, Final Report, European Commission, DG Information Society and Media, forthcoming 2007. (With Wolfgang Polt)

Innovation Models for Aeronautics Technologies, National Research Council of the National Academies, Washington, DC:National Academies Press, 2006 (Panel Report)

Evaluation of Progress Towards a European Research Area for Information Society

Technologies, Final Report, European Commission, DG Information Society and Media, January 2006. (With Franco Malerba, Stefano Breschi, and Lorenzo Cassi)

Developing a Methodological Framework for High Quality Assessment of the IST-RTD Effects (Results and Impacts) at the “Strategic Objective” Level, Final Report, European Commission, DG Information Society and Media, Contract 29000, November 2005. (Group report led by Technopolis)

Five-Year Assessment of the Community Research Framework Programme 1999-2003, Final Report of the High-Level Panel to Evaluate the European Union’s Framework Programme for RTD, European Commission, DG Research, February 2005. (Panel member and Rapporteur)

“Assessment of the Impact of Actions Completed under the 5th Community Research Framework Programme: Survey for the Five-Year Assessment of Community Research Activities 1999-2003”, European Commission, DG Research, 2004. (With Atlantis Research, Joanneum Research, Ken Guy, and Wolfgang Polt)

The Emergence of New Industrial Activities: Fusing Services and Manufacture, Final Report of the TENIA Project, European Commission, DG Research, July 2004. (With Yannis Caloghirou and Stavros Ioannides)

Management of Intellectual Property in Publicly-Funded Research Organizations: Towards European Guidelines, co-author, Expert Group (ETAN) Report, European Commission, DG Research, 2004 (EUR 20915 EN).

Technology Licensing, Organization for Economic Cooperation and Development, Paris: OECD, October 2003.

Information Infrastructure for Healthcare: Case Studies from a Focused Program, Advanced Technology Program, National Institute for Standards and Technology, Gaithersburg: NIST, June 2003. (With Richard Spivack.)

Paradigm Shifts in Science, Technology and Innovation Policy of Leading and Catching-up Countries: The case of the United States and Korea, Science and Technology Policy Institute (STEPI), Seoul, Korea, 2003. (With Yongsuk Jang)

Performance Measurement for Government R&D Programs: In Search of Best Practices, Korea Institute for Science and Technology Evaluation and Planning (KISTEP), Seoul, Korea, December 2002. (With Yongsuk Jang)

Trends in Life Sciences – U.S. Market, Report to the Japan External Trade Organization (JETRO), International Access Corporation, with the collaboration of the Center for International Science and Technology Policy, Washington, D.C. October 2002.

The U.S. Biotechnology Industry, Report to Japan Industrial Policy Research Institute (JIPRI), International Access Corporation, with the collaboration of the Center for International Science and Technology Policy, Washington D.C., May 2002.

Role and Strategic Use of Intellectual Property Rights in International Research Collaborations, co-author, Expert Group (ETAN) Report, European Commission, DG Research, EUR 20230, April 2002.

Assessing the Socio-economic Impacts of the Framework Programme, chapter author, Report coordinated by the Policy Research in Engineering, Science and Technology (PREST) Unit, the University of Manchester, for the European Commission, DG Research, March 2002.

Methodology for the Assessment of Performance of Selected Existing Industries, Sectoral Issues and Policy Division, United Nations Economic and Social Commission for Western Asia, United Nations, June 2001.

Innovation-Related Knowledge Flows in European Industry: Extent, Mechanisms, Implications, Final Report of the KNOW Project, Targeted Socio-Economic Research Programme (TSER), European Commission, DG Research, August 2001. (With Yannis Caloghirou and Natasha Constantelou.)

European Presence in US-Based Research Joint Ventures, European Commission, DG Research, Improving Human Research Potential and the Socio-Economic Research Base, July 2001.

Priority Research Areas and Operational Systems of Major Public Research Institutes in the United States, Science and Technology Policy Institute (STEPI), Seoul, Republic of Korea, July 2001. (With Yongsuk Jang.)

Strategic Research Partnerships: Results of a Workshop, Science Resource Studies Division, US National Science Foundation, October 2000. (With John Hagedoorn and Albert Link.)

Technology and Innovation Policy Initiatives in the Americas, Sectoral Issues Policy Division (SIPD), Economic and Social Commission for Western Asia (ESCWA), United Nations, Beirut, August 2000.

Science and Technology Policy Towards Research Joint Ventures, Final Report of the STEP-TO-RJVs Project SOE1-CT97-1075, Targeted Socio-Economic Research Programme (TSER), European Commission, DG Research, March 2000. (With Yannis Caloghirou.)

Participation of European Corporations in US-Based Research Joint Ventures, European Commission, June 1999. (With Albert Link.)

Business Diversification Through Research Joint Ventures: Advanced Technology Program, National Institute of Standards and Technology, March 1999.

A Survey of High-Technology Small Firms, U.S. Small Business Administration, Fall 1999. (With Joseph Cordes and Henry Hertzfeld.)

Indicators for Science, Technology and Innovation in Europe and in Greece: Organization of Statistical Information, National Statistical Agency of Greece, Fall 1998. (In Greek.)

Inter-Firm Strategic Alliances in Information Technology: The Case of Developing Countries, Private Sector Development Department, The World Bank, September 1995. (With Stratos P. Safioleas.)

The Implementation of Process Innovation in Small Firms: Case Studies on CNC Machine Tools, Dilthey Fellowship Committee, The George Washington University, November 1994. (With Sotiris Papantonopoulos and Lan Xue.)

Factors Affecting Demand for NIST Calibration Services, National Institute of Standards and Technology, September 1994. (With Joseph J. Cordes.)

The Changing Economic Context: Strategic Alliances Among Multinationals, Center for Science and Technology Policy, Rensselaer Polytechnic Institute, 1989.

Export Controls and the International Technical System: The U.S. Semiconductor Industry, Center for Science and Technology Policy, Rensselaer Polytechnic Institute, 1988. (With Carmela S. Haklisch.)

Export Controls and the International Technical System: The U.S. Machine Tool Industry, Center for Science and Technology Policy, Rensselaer Polytechnic Institute, 1987. (With Carmela S. Haklisch.)

x. Book Reviews

“Public Accountability: Evaluating Technology-Based Institutions” by Albert N. Link and John Scott (Kluwer Academic Publishers), The Journal of Technology Transfer, 2000.

UNPUBLISHED PAPERS

“Networks and Strategic Options for Innovative performance in Knowledge-Intensive Enterprises”, George Washington University, April 2012. (With Molly K. McPherson)

“Networks and Knowledge-Intensive Entrepreneurship in Practice II: Technology-based Strategic Alliances in Industry”, George Washington University, April 2012.

“Partnerships for Growth”, Center for International Science and Technology Policy, George Washington University, December 2005.

“Strategic alliance formation in the business cycle”, Center for International Science and Technology Policy, George Washington University, 2004. (With John Hagedoorn)

“Assessing industrial performance”, Center for International Science and Technology Policy, George Washington University, May 2002. (With Robin Auger)

"Asymptotic behavior of dynamic strategic models of R&D: The discounted case," Department of Economics, The George Washington University, February 2000. (With Sumit Joshi.)

"Characterization of Markov perfect equilibria in a dynamic model of R&D," Department of Economics, The George Washington University, January 1997. (With Sumit Joshi).

"Strategic alliances in information technology and developing country firms," Occasional Paper #29, Private Sector Development Department, *The World Bank*, February 1997. (With Stratos P. Safioleas.)

"Structural change and competitiveness: Manufacturing in Spain, Portugal and Greece,"

Center for International Science and Technology Policy, The George Washington University, March 1996. (With Yannis Caloghirou, Angeliki Mourtzikou and Lefteris Papayannakis.)

"Disconnected: Economics and the process of technological advance," Center for International Science and Technology Policy, The George Washington University, October 1996.

"Dynamic competition and cooperation with research externalities," Department of Economics, The George Washington University, 1993. (With Sumit Joshi.)

"Small and medium size enterprises in the context of cooperative industrial research and international competitiveness," GEA working paper #87-02, Department of Economics, New York University, 1987.

"Jumping over national borders: a partial equilibrium model of the multinational corporations decision to invest," mimeo, Department of Economics, New York University, 1986.

"Technological aspects of transnational corporations' involvement in South-South trade," paper prepared for the South-South Trade Project, United Nations, 1984.

IN PROGRESS

i. Papers / Reports / Manuscripts

R&D Cooperation, book. (With Albert N. Link)

"Technology Roadmapping and Innovation: The Effects of Corporate Foresight and Organizational Support", research paper. (With YoungJun Kim, SungWon Han and Jeewhan Yoon)

"Corporate Foresight and Innovation: A Moderated Mediation Model of Integrative Capabilities and Organizational Learning", research paper (With YounJun Kim, SungWon Han and Jeewhan Yoon)

"University-Industry Interactions as a Conduit for Knowledge-Intensive Entrepreneurship", research paper. (With Sergio Queiroz, Bruno Brandão Fischer and Paola Schaeffer)

- “On the Geographic Distribution of Knowledge-Based Entrepreneurship: An Evaluation of the State of São Paulo”, research paper. (With Sergio Queiroz and Bruno Brandão Fischer)
- “University-Industry R&D Cooperation in Brazil: A Sectoral Approach”, research paper. (With Diego R. de Moraes Silva and André T. Furtado)
- “Technology Foresight in Developing Countries: Implications for Policy and Industrial Strategy”, research paper. (With David Feige, Carlo Pietrobelli, Fernanda Puppato)
- “Founders’ Human Capital and the Innovative Performance of Young Firms: Empirical Evidence from Europe”, research paper. (With Yannis Caloghirou, Aimilia Protopgerou)
- “Determinants of Young Firms’ Innovative Performance: Empirical Evidence from Europe”, research paper. (With Yannis Caloghirou, Aimilia Protopgerou)
- “Multidimensional Evaluation Framework for Science, Technology and Innovation Instruments: GEOPI Impact Evaluation Methodology”, research paper. (With Paula F. Drummond de Castro and Sergio L. M. Salles-Filho)
- “Real Options for Public Research Investments”, research paper. (With Chintal A. Desai, Ehsan Khan)

(Selected) RESEARCH GRANTS, CONTRACTS (1998-2016)

- “Protein Crystallization for Drug Development: An Empirical Appraisal of Economic Effects of Microgravity”, National Aeronautics and Space Administration (NASA), AMES Research Center (ARC), Emerging Space Office (ESO), 2016-2017. [Co-Principal Investigator]
- “Increasing International Science, Technology and Innovation Cooperation between Brazil and the European Union” (INCOBRA), European Commission, DG Research and Innovation, 2016-2018. [Co-Principal Investigator]
- “Economic Development of Low Earth Orbit Activities”, US National Aeronautics and Space Administration (NASA), 2014-2015. [Co-Principal Investigator]

- “Country Case Chile: Public Research Centres”, Organization for Economic Cooperation and Development (OECD), 2015. [External Advisor.]
- “São Paulo Excellence Chair” (SPEC) Innovation Systems, Strategy and Policy, University of Campinas (UNICAMP), Science Foundation of the State of São Paulo (FAPESP), Brazil, 2014-2019. [Holder of Chair and Principal Investigator]
- “Impact Assessment of Greek Research, Development and Innovation Programs 2000-2009”, General Secretariat of Research and Technology, Ministry of Education, Greece, 2014-2016. [Co-Principal Investigator and Scientific Director]
- “Choosing Emerging Technologies for Development”, Elliott School of International Affairs, The George Washington University, 2014. [Co-Principal Investigator]
- “Review of Korea’s Industrial Policy and Innovation Policies”, Organization for Economic Cooperation and Development (OECD), 2013. [Expert Support]
- “Fostering Entrepreneurship in the Southern Caucasus”, The World Bank, 2012-2013. [Co-Principal Investigator]
- “R&D Investment and Structural Change in Sectors” (RTDS), European Commission, DG Research and Innovation, 2010-2013. [Co-Principal Investigator]
- “Advancing Knowledge-Intensive Entrepreneurship and Innovation for Economic Growth and Social Well-Being in Europe” (AEGIS), European Commission, DG Research, 2009-2012. [Co-Principal Investigator]
- “Innovation Policy Handbook”, The World Bank, 2011-2012. [Principal Investigator]
- “Innovative Procurement in the United States”, TEKES and Washington Embassy, Finland, 2010-2011. [Principal Investigator]
- CIP ICT-PSP Final (Second Interim) Evaluation Support Study, European Commission, DG Information Society and Media, 2010-2011. [Co-Principal Investigator]
- “ICT Network Impact in Structuring a Competitive ERA”, European Commission, DG Information Society and Media, 2009-2011. [Co-Principal Investigator]
- “Using Performance Indicators in Monitoring the Implementation of ICT Research in FP6 and FP7”, European Commission, DG Information Society and Media, 2009-2010.

[Co-Principal Investigator]

- “Trends in the Evolution of the EU ICT Research and Deployment Landscape”, European Commission, DG Information Society and Media, 2009-2010. [Co-Principal Investigator]
- “Economies of Scale at the Research Project Level”, European Commission, DG Research, 2008-2010. [Co-Principal Investigator]
- “Evaluation Manual for ICT Research in FP7: Joint Technology Initiatives”, European Commission, DG Information Society and Media, 2009. [Co-Principal Investigator]
- “Manual for Monitoring and Evaluating ICT Research in FP7”, European Commission, DG Information Society and Media, 2008-2009. [Co-Principal Investigator]
- “Research and Technology Partnerships: Quantifying Strategic Relationships”, Science of Science and Innovation Policy Program, U.S. National Science Foundation, 2007-2010. [Principal Investigator]
- “Analysing and Evaluating the Impact on Innovation of Publicly Funded Research Programmes: Lot 1 – Evaluation of the Impact on Innovation of Projects of Community 5th and 6th Framework Programmes” (INNO-IMPACT), European Commission, DG Enterprise, 2006-2007. [Co-Principal Investigator]
- “Analysing and Evaluating the Impact on Innovation of Publicly Funded Research Programmes: Lot 2 – Benchmarking Strategies and Methodologies of National, European and International R&D Programmes to Assess and Increase their Impact on Innovation”, European Commission, DG Enterprise, 2006-2007. [Co-Principal Investigator]
- “Research on the Factors of Success of Public policies Regarding Science, Technology and Innovation”, Greek Ministry of Development, 2006. [Principal Investigator]
- “IST Evaluation and Monitoring”, European Commission, DG Information Society, 2006. [Co-Principal Investigator]
- “Networks of Innovation in Information Society: Development and Deployment in Europe”, European Commission, DG Information Society, 2006. [Co-Principal Investigator]

- “Real Options for Research Investment Portfolio Analysis at the U.S. Department of Energy”, DOE Office of Science, 2004-2006. [Principal Investigator]
- “Knowledge-Based Entrepreneurship: Innovation, Networks, and Systems” (KEINS), European Commission, DG Research, 2004-2006. [Co-Principal Investigator]
- “Assessment of the Small Business Innovation Research (SBIR) Program”, National Research Council, National Academies of Science, 2002-2005. Study mandated by US Congress, HR 5667 Section 108. [Investigator]
- “Evaluation of Progress towards a European Research Area in Information Society Technologies”, European Commission, DG Information Society, 2005. [Co-Principal Investigator]
- “IST-RTD Monitoring and Evaluation: Results and Impact Indicators”, European Commission, DG Information Society, 2004-2005. [Co-Principal Investigator]
- “Five-Year Assessment of the Community Research Framework Programme 1999-2003”, member of and rapporteur for the High-Level Panel to Evaluate the European Union’s Framework Programme for RTD, European Commission, DG Research, 2005. [Panel Member and Rapporteur]
- “Innovation Networks”, GW Research Enhancement Fund Award, 2002-2005. [Co-Principal Investigator]
- “Assessment of the Impact of Actions Completed under the 5th Community Research Framework Programme: Survey for the Five-Year Assessment of Community Research Activities 1999-2003”, European Commission, DG Research, 2004. [Co-Principal Investigator]
- “Patent Licensing Contracts in the OECD”, Organization for Economic Cooperation and Development (OECD), 2002-2003. [Principal Investigator]
- “Network Indicators and Globalization: Public Policy Implications”, GW Center for the Study of Globalization, 2002-2003. [Co-Principal Investigator]
- “Networks and Globalization”, GW Center for the Study of Globalization, 2001-2002. [Co-Principal Investigator]
- “Network Indicators”, Science Resources Studies, U.S. National Science Foundation,

2001-2003. [Co-Principal Investigator.]

“Network Indicators: Science, Technology and Innovation”, European Commission, DG Research, Improving the Human Research Potential and the Socio-Economic Research Base, Common Basis of Science, Technology and Innovation Indicators Programme, 2001-2004. [Co-Principal Investigator.]

“Performance Measurement for Government R&D Programs: in Search of Best Practice”, Korea Institute for Science and Technology Policy (KISTEP), Republic of Korea, 2002. [Principal Investigator].

“Paradigm Shifts in Science, Technology and Innovation Policy of Leading and Catching-up Countries: The case of the United States and Korea”, Science and Technology Policy Institute (STEPI), Republic of Korea, 2001-2002. [Principal Investigator]

“The Emergence of New Industrial Activities: Fusing Services and Manufacture (TENIA)”, Commission of the European Union, DG Research, 2001-2003. [Co-Principal Investigator]

“The Assessment of the Socio-economic Impact of the Framework Program (ASIF)”, Commission of the European Union, DG Research, 2001-2002. [Co-Principal Investigator]

“European Presence in US-Based Research Joint Ventures”, European Commission, DG Research, Improving Human Research Potential and the Socio-Economic Research Base, 2001.

“Evaluation of United States government programs under GPRA”, Korea Institute for Science and Technology Policy (KISTEP), Republic of Korea, 2001. [Co-Principal Investigator]

“Strategic Partnerships for Developing Countries”, Division on Investment, Technology and Enterprise Development (DITE), United Nations Conference on Trade and Development, 2001. [Principal Investigator]

“Methodology for the Assessment of Performance of Selected Existing Industries”, Sectoral Issues and Policy Division, Economic and Social Commission for Western Asia (ESCWA), United Nations, 2001. [Principal Investigator]

“Priority Research Areas and Operational Systems of Major Public Research Institutes in

the United States”, Science and Technology Policy Institute (STEPI), Seoul, Republic of Korea, 2001. [Principal Investigator]

“Succeeding in Collaborative R&D: Three Case Studies of ATP-sponsored Research Joint Ventures”, Advanced Technology Program, National Institute of Standards and Technology, 2000-2001. [Co-Principal Investigator]

“Economic Analysis of Intellectual Property Protection Mechanisms for Research Partnerships,” Directorate for Social, Behavioral and Economic Sciences, U.S. National Science Foundation, 1999-2001. [Co-Principal Investigator.]

“Innovation-Related Knowledge Flows in European Industry: Mechanisms and Policy (KNOW)”, Targeted Socio-Economic Research Programme (TSER), Commission of the European Union, DG Research, 1999-2001. [Co-Principal Investigator]

"Science and Technology Policies Towards Research Joint Ventures (STEP-TO-RJVs)", Targeted Socio-Economic Research Programme (TSER), Commission of the European Union, DG Research, 1998-2000. [Co-Principal Investigator]

TEACHING

i. Full-Term Courses, GW (2015-2016)

A. *Department of Economics*

Econ 6255 “Economics of Technological Change”, graduate course

Econ 6217 “Survey of Economics”, graduate course

B. *Science, Technology and Public Policy Program*

IAFF 6142 “Technology Creation and Diffusion”, graduate course

IAFF 6141 “International Science and Technology Policy”, graduate course

ii. Full-Term Courses Offered Regularly in Previous Years, GW

A. *Department of Economics*

“Managerial Economics”, MBA course

“Intermediate Microeconomics”, undergraduate course

B. Science, Technology and Public Policy Program

“Multidisciplinary Seminar in Science, Technology and Global Affairs”, graduate course

“Technology Collaboration: Incentives and Policy for Strategic Alliances”, graduate course

“Technology and International Economic Competitiveness”, graduate course

“Science, Technology, and International Affairs”, graduate course, team-taught with Professor Robert Rycroft

“Technology and Globalization”, graduate seminar (capstone), team-taught with Professor Robert Rycroft.

ii. Short Courses, GW

“Microeconomics”, 8-lecture series, Minerva Program, Center for Latin American Issues, School of Business, The George Washington University, Washington, D.C. (Delivered semi-annually 2003 – present).

“Strategic Business Partnerships”, 2-lecture series, Certificate Program for the University of Chile (EMBA), The George Washington University, Washington, D.C. (Delivered annually 2014 – present).

iii. Full-Term Courses, non-GW

“R&D Program Evaluation”, Fundacao Getulio Vargas (FGV), Rio de Janeiro, Brazil, Fall 2012.

iv. Short Courses, non-GW

“Strategic Management of Technology and Innovation”, “Technology Management Economics”, and “Doctoral Seminar”, three 4-meeting course series delivered for the

graduate program in Management of Technology (MOT), Korea University, Seoul, Republic of Korea, May 2016.

“R&D Program Evaluation”, 10-lecture series, Fundacao Getulio Vargas (FGV), Rio de Janeiro, Brazil, Summer 2014.

“Strategic Business Partnerships”, 5-lecture series, Centro Universitario de Brasilia (UniCEUB), Brasilia, Brazil, Fall 2012.

“R&D Program Evaluation”, 5-lecture series, Centro Universitario de Brasilia (UniCEUB), Brasilia, Brazil, Fall 2012.

“Incentives and Policy for Strategic Technical Partnerships”, 6-lecture series, MIEM Program, SDA, Luigi Bocconi University, Milan, Italy. (Delivered annually 1999 – 2004).

“Strategic Business Partnerships”, 5-lecture series, International MBA Program, Athens University of Economics and Business, Athens, Greece. (Delivered annually 2001 – 2012).

v. Executive Training Seminars

Developed a professional training course on the **R&D program evaluation**. The course (8 days long) has been delivered to foreign groups at the George Washington University and at other locations (including abroad).

Co-developed with Prof Sergio Salles-Filho two professional training courses on **R&D program evaluation** (ex ante and ex post) at the University of Campinas. These courses have been offered at UNICAMP through the institute GEOPI to mixed audiences of industry and government representatives. They will be offered at regular time intervals in the future.

Developed an executive training seminar on **crafting strategic partnerships**. Versions of the seminar (1-3 days long) have been delivered during the past few years to both industry and government audiences in the US and abroad. Longer, more traditional educational versions are being delivered to business schools such as Luigi Bocconi University and the Athens University of Economics and Business (see above).

Developed a professional training seminar on the **knowledge-based economy**. The seminar (1 day long) has been delivered during the past few years repeatedly to US

government audiences.

OTHER PROFESSIONAL ACTIVITIES

vi. Seminar Series

Organizer of the **Technology and Innovation** Seminar Series at GW. Seminars held once a month at the Center for International Science and Technology Policy. Average attendance: 30 strategy and policy scholars, advisers, and professionals from the greater Washington metropolitan area. (2001 – 2011)

Co-organizer of the joint **S&T Research** Seminar Series. Seminars organized collaboratively by GW's Center for International Science and Technology Policy and GMU's School of Public Policy. Seminars held once a month at the George Washington University and at George Mason University. Average attendance: 15 strategy and policy scholars and graduate students. (2006 – 2011)

vii. R&D Program Evaluation

Co-organizer of the Washington Research Evaluation Network (2000-2009)

Engaging in various initiatives relating to R&D program evaluation in the United States, Europe, Japan, South Korea, Mexico and Brazil for several years. Such initiatives include evaluation studies, relevant conference presentations, and advisory work. Examples of collaborating organizations over the years have included:

United States: National Institute of Standards and Technology, Advanced Technology Program, Department of Energy (Office of Science), NASA, National Research Council.

Europe: European Commission (DG Research and Innovation, DG Information Society and Media), Vinnova (Sweden), National Statistical Agency of Greece.

Japan: METI, Mitsubishi Research Institute.

South Korea: Korea Institute of S&T Evaluation and Planning (KISTEP), Science and Technology Policy Institute (STEPI).

Mexico: Centro de Investigacion y Asistencia en Tecnologia y Diseno del Estado de Jalisco (CIATEJ).

Brazil: Universidade Estadual de Campinas (UNICAMP), Fundacao Getulio Vargas (FGV), Centro Universitario de Brasilia (UniCEUB).

viii. Referee for:

Strategic Management Journal
International Journal of Industrial Organization
Journal of Industrial Economics
Journal of Economic Behavior and Organization
Review of Industrial Organization
R&D Management
Zeitschrift Fur Nationaloekonomie
Economica
World Development
Journal of Policy Analysis and Management
Journal of Policy Reform
Journal of Small Business Economics
Science and Public Policy

ix. Reviewer and Referee for:

National Science Foundation.
Oxford University Press.
Cambridge University Press.
McGraw-Hill, Inc.
Scott, Foresman & Co.
South-Western College Publishing
General Administration of Research and Development (GGET, Greece).

STUDY AWARDS/DISTINCTIONS

Fellowship, New York University, 1986-1988
Scholarship, New York University, 1984-1986
Developmental Fellowship, New York University, 1983-1984
M.A. degree awarded with *distinction*, Leicester University (U.K.), 1983

OTHER ACTIVITIES

Media communications (Wall Street Journal, U.S. News, Sky, Korean Herald, Greek Voice of America, ERT 1 (Greek public radio), Kerdos (Gain, a Greek financial weekly), etc

Faculty mentor for the Hellenic Club KOSMOS at the George Washington University, 1993 – 2010.

Member of the Board, Hellenic Society PROMETHEAS, Washington, D.C., 1992 – 1996, 2011 – 2012.

President, Graduate Economics Student Association, New York University, 1984 - 1986

LANGUAGES

Fluent in Greek and English. Limited knowledge of French and Spanish

PERSONAL

Born May 6, 1958 in Athens Greece

MILITARY SERVICE

Greek Navy, 1989 – 1990

NATIONALITY

United States of America & Greece

(Select) PRESENTATIONS January 2012 – November 2016

Speaker, Opening Plenary Panel “Trends and Challenges in Systematic Impact Evaluation in Science and Innovation Funding Agencies”, International RTI Policy Evaluation Conference “Open Innovation 2016”, Techgate Vienna, Austria, November 24-25, 2016.

Keynote speaker open plenary, and organizer, international Strategic Technology Foresight Workshop for the project “Increasing International STI Cooperation between Brazil and the European Union” (INCOBRA), University of Campinas, Campinas, Brazil, November 17-18, 2016.

“Success Factors for Innovation Clusters”, invited presentation, Korea-US Science Cooperation Center (KUSCO), Vienna, VA, November 14, 2016

“University-Industry Collaboration as a Conduit for Academic Knowledge-Intensive Entrepreneurship” and “University-Industry Collaboration in Brazil: A Sectoral Approach”, paper presentations, 2016 Technology Transfer Society Annual Meeting, Arizona State University, Phoenix, November 3-4, 2016.

“Entrepreneurship and Geography of Innovation: A Case from São Paulo, Brazil”, paper presentation, 6th HSE Academic Conference on Foresight and STI Policy, National Research University Higher School of Economics, Moscow, Russian Federation, October 20, 2016.

“Social Networks and Innovation in Ancient Greece and the Modern World”, discussant, event organized by the Embassy of Greece, Washington D.C., October 5, 2016.

“On the Location of Knowledge-Intensive Entrepreneurship in Developing Countries: A Case Study of the State of São Paulo, Brazil”, seminar organized by the Brazilian Initiative, Elliott School of International Affairs, George Washington University, October 3, 2016.

“STI Indicators for Emerging Economies: Experiences from Chile, Brazil and Peru”, paper presentation, “21st International Conference on Science and Technology Indicators”, Universitat Politecnica de Valencia, Valencia, Spain, September 15, 2016.

“Foresight and Beyond: Prospective, Prioritization and Decision in Science, Technology and Innovation”, Executive Training Course, University of Campinas (UNICAMP), Brazil, August 8-12, 2016.

- “University-Industry Collaboration as Conduit for Academic Knowledge-Intensive Entrepreneurship”, paper presentation, 16th Congress of the International Joseph Schumpeter Society, Montreal, Canada, July 7, 2016.
- Chair, all (five) sessions on entrepreneurship, 16th Congress of the International Joseph Schumpeter Society, Montreal, Canada, July 6-8, 2016.
- “Comentários dos Debatedores”, Forum “Innovation Policies in Mature Sectors – A Comparative View of the United States and Brazil”, Penses, University of Campinas (UNICAMP), Brazil, June 17, 2016.
- “Regional Innovation Ecosystems, Clusters, Entrepreneurship”, IPEA-FAPESP Workshop “Creating Local Prosperity through World-class Science Based Business Development: Why States and Municipalities Should Foster Start-ups and New Technology”, FAPESP, São Paulo, Brazil, June 16, 2016.
- Plenary Panel Debate “Innovation Policy – where is it and where it will go?”, Eu-SPRI Conference, Lund, Sweden, June 9, 2016.
- “On the Location of Knowledge-Intensive Entrepreneurship in Developing Countries: A Case Study of the State of Sao Paulo, Brazil”, “Enhancing the Resources and Capabilities of Newly-established Firms for Superior Innovative Performance”, and “Matching Public and Private Funds to Foster Innovation: The Case of EMBRAPPII in Brazil”, Eu-SPRI Conference, Lund, Sweden, June 7-9, 2016.
- “Success Factors for Innovation Clusters”, Seminar, Korea Institute for Industrial Economics & Trade (KIET), Sejong, Republic of Korea, May 25, 2016.
- “Competitiveness and Innovation Systems”, Keynote Speech, Academic Conference, Korea Productivity Association, Korea University (KU), Seoul, Republic of Korea, May 21, 2016.
- “Synthesis of Results, Basic Conclusions and Policy Propositions”, Final Public Seminar to present the results of the project “Evaluation Studies of the Greek Public Research and Development Expenditures”, General Secretariat for Research and Technology (GGET), Greek Ministry of Science and Culture, National Institute of Research, Athens, Greece, May 9, 2016.
- “Innovation, Clusters and Economic Growth”, Keynote Speech, 2016 International

Conference “Innovation, Cluster & Economic Performance”, Korean Academic Society of Industrial Cluster (KASIC), Korea University (KU), Seoul, Republic of Korea, May 7, 2016.

“Regional Innovation Ecosystems as Conduits for Industrial and Innovation Policy”, Keynote Speech, SNU Symposium “Convergence of Industrial and Innovation Policy: Issues and Cases”, Technology Management, Economics and Policy Program (TEMEP) and the Institute of Economic Research, Seoul National University (SNU), Seoul, Republic of Korea, May 6, 2016.

“Regional Innovation Ecosystems and Entrepreneurship” and “On the Location of Knowledge-Intensive Entrepreneurship in Developing Countries: A Case Study of the State of Sao Paulo, Brazil”, presentations at the workshop “The Geography of Innovation and Entrepreneurship: Local Capacity and Global Connections”, The World Bank Group, Washington DC, April 26, 2016.

“Regional Innovation Ecosystems Facilitating University-Industry Interaction”, Spring International Academic Conference, Section Sb “Science, Technology and Innovation Policy”, National Research University Higher School of Economics (HSE), Moscow, Russian Federation, April 21, 2016.

“Impact Evaluation of R&D and Innovation”, Executive Training Course, University of Campinas (UNICAMP), Brazil, February 15-19, 2016.

“Roundtable on Regional and Global Changes” and “The Role of Government Incentives and Subsidies”, Innovation Policy Forum workshop “National and International Intellectual Property Practices and Policies”, US National Academies of Sciences, Washington DC, December 11, 2015.

“Business Partnerships / Networks”, Seminar, Institute for Statistical Studies and Economics of Knowledge (ISSEK), National Research University Higher School of Economics (HSE), Moscow, Russian Federation, November 24, 2015.

“STI Policy Instruments for Public Research: the Meaning/Impact of Policy Evaluation”, International Conference “Foresight and STI Policy”, Institute for Statistical Studies and Economics of Knowledge (ISSEK), National Research University Higher School of Economics (HSE), Moscow, Russian Federation, November 20, 2015.

“R&D Program Evaluation in Context”, invited presentation, and chair of the session “Implementing Logic Model Frameworks that Evaluate Research Impacts”, annual

meetings of the American Evaluation Association, Chicago, November 12-13, 2015.

“Public Funding of R&D”, Presentation in “Economics of Innovation” (Module 2), Institute for Statistical Studies and Economics of Knowledge (ISSEK), National Research University Higher School of Economics (HSE), Moscow, Russian Federation, September 19, 2015.

“PPP Interface and Stakeholder / Shareholder Management”, Presentation in “Public-Private Partnerships for STI” (Module 2), Institute for Statistical Studies and Economics of Knowledge (ISSEK), National Research University Higher School of Economics (HSE), Moscow, Russian Federation, September 25, 2015.

“Strategic Business Partnerships”, two lectures, Certificate Program for the University of Chile EMBA Program, George Washington University Business School, September 21-22, 2015.

“The Role of Founders in Young Firms’ Innovative Performance: Empirical Evidence from Europe”, and organizer session “Academic Entrepreneurship”, Atlanta Conference on Science and Innovation Policy (ATLC 2015), Georgia Institute of Technology, Atlanta, Georgia, September 17, 2015.

“STI Indicators in Policy Making: Concepts and Practice”, 1st International Workshop on the System of Monitoring and Evaluation of Science, Technology and Innovation, Academia Nacional de Ciencias (ANC) (Perú), Consejo Nacional de Ciencia, Tecnología e Innovación Tecnológica (CONCYTEC), and Organization for Economic Cooperation and Development (OECD), Lima, Peru, September 15, 2015.

“The Role of Founders in Young Firms’ Innovative Performance”, Korea University, Seoul, Republic of Korea, August 29, 2015.

“Public Procurement for Innovation in the United States”, TEMEP, School of Engineering, Seoul National University, Seoul, Republic of Korea, August 27, 2015.

“Commercializing University Research”, 1st Asian Innovation Forum, Korea Institute for Science and Technology Policy (KISTEP), Seoul, Republic of Korea, August 25, 2015.

“Public Procurement and Innovation in the United States”, Brazilian Agency for Industrial Development (Agência Brasileira de Desenvolvimento Industrial (ABDi)), Brasilia, Brazil, July 9, 2015.

- “The Role of Founders in Young Firms’ Innovative Performance: Empirical Evidence from Europe”, 15th Annual DRUID Conference “The Relevance of Innovation”, Rome, Italy, June 14-17, 2015.
- “Workshop Introduction”, “Conclusion”, various other sessions and overall organization, International Workshop “Demand-Side Policies / Public Procurement on Innovation”, University of Campinas, Brazil, May 27-29, 2015.
- “Public Procurement for Innovation in the United States”, Presentation at the International Workshop “Demand-Side Policies for Innovation / Public Procurement for Innovation”, University of Campinas, Brazil, May 29, 2015.
- “Financing of Joint S&T Projects”, presentation at the XVI April International Conference on Economic and Social Development, Higher School of Economics, National Research University, Moscow, Russian Federation, April 9, 2015.
- “Commercializing the ISS: Protein Crystallization in LEO”, Economic Development of LEO Study workshop, NASA Headquarters, Washington, D.C., March 30, 2015.
- “Performance of European Innovation Partnerships”, The Innovation Policy Forum workshop, “Learning from Each Other: U.S. and European Perspectives on Small Business Innovation Programs”, National Academies of Sciences, Washington, DC, March 19, 2015.
- “Practitioners v. Academics: Big Challenges in Science, Technology, and Innovation Policy Design and Development”, panel discussion, International Workshop “Science, Technology and Innovation Systems: Dynamics, Governance and Public Policy”, University of Campinas, Brazil, March 4, 2015.
- “Government Role and Strategy for Emerging Technologies”, Workshop on “Context-Driven Technology Choice for Development”, The George Washington University, January 30, 2015.
- “Evaluation of the Economic Impacts of Collaborative R&D”, Department of Science and Technology Policy, State University of Campinas (UNICAMP), Brazil, December 19, 2014.
- “The Impact of Government R&D Subsidy on Firm Performance: Evidence from Korean SMEs”, Conference on “Entrepreneurship, Innovation, and Enterprise Dynamics”, OECD Working Party on Industry Analysis, Organization for Economic Cooperation

and Development, Paris, France, December 8, 2014.

“Context Appropriate Technologies for Development: Choosing for the Future”, International Conference on Science, Technology and Innovation Policy: Foresight, Growth, Roadmaps, Sectoral Impact Assessment and Alliances, Zaheer Science Foundation (ZSF), New Delhi, India, November 26, 2014.

“Science, Technology and Innovation Policy Mix”, HSE Annual Conference on Foresight and STI Policy: Cooperation, Coordination, and Challenges in Foresight”, Higher School of Economics, National Research University, Moscow, Russian Federation, November 6, 2014.

“The Effect of Company Founders on Young Firms’ Innovative Performance: An Empirical Approach”, Annual Conference of the Technology Transfer Society, Johns Hopkins University, Baltimore, October 24, 2014.

“Federal R&D Programs”, Panel Chair, Annual Conference of the Technology Transfer Society, Johns Hopkins University, Baltimore, October 24, 2014.

“Knowledge-Based Entrepreneurship”, International Conference of Science and Technology Entrepreneurship Policy and Regulation, Science and Technology Policy Research and Information Center, NARL, Taipei, Taiwan, October 16.

“Strategic Business Partnerships”, two lectures, Certificate Program for the University of Chile EMBA Program, George Washington University Business School, September 22-23, 2014.

“Government Role for Technology Choice”, presentation at workshop “Knowledge Economy for Development”, George Washington University Law School, Washington, D.C., May 7, 2014.

“Non-Defence Public Procurement and Innovation”, workshop in honour of Charles Weiss, Georgetown University, Washington, D.C., March 28, 2014.

“Managing Risk in the Formative Years: Evidence from Small European Firms”, Howe School of Technology Management, Stevens Institute of Technology, Hoboken, New Jersey, November 1, 2013.

“Managing R&D Portfolios”, presentation, and discussant for whole session “Evaluating Research Portfolios I: An Analytical Perspective”, Annual Conference of the American

Evaluation Association, Washington, D.C., October 19, 2013.

“Does Exposure to Academic Research Make a Difference? Evidence from Europe”, Atlanta Conference on Science and Innovation Policy, Georgia Institute of Technology, Atlanta, September 28, 2013.

“Academic Entrepreneurship”, Asian Research Policy Symposium, Korea University, Seoul, Republic of Korea, August 30, 2013.

“Knowledge-Intensive Entrepreneurship: The Known, The Unknown, and The About to be Known”, KISTEP, Seoul, Republic of Korea, August 28, 2013.

“Strategic Business Partnerships”, series of five lectures, International MBA Program, Athens University of Economics and Business, Athens, Greece, May 22-30, 2013.

“Public Procurement and Innovation in the United States”, VINNOVA, Swedish Governmental Agency for Innovation Systems, Stockholm, April 30, 2013.

“Public Procurement and Innovation in the United States”, CIRCLE, University of Lund, Sweden, March 6, 2013.

“Managing R&D Portfolios”, National Institutes of Health (NIH) Headquarters, Bethesda, Maryland, February 5, 2013.

“STI Policy Concerns and Implications for Program Evaluation”, seminar, Universidade Estadual de Campinas (UNICAMP), Campinas, Sao Paulo State, Brazil, November 30, 2012.

“Managing Risk in New Entrepreneurial Ventures”, “Why do New Knowledge-Based Enterprises Participate in Networks?”, “Does Exposure to University Research Matter in Entrepreneurship? Evidence from Europe”, in 2012 Technology Transfer Society Annual Conference, New York City, USA, November 2-3. (Scheduled)

“Strategic Business Partnerships”, Casa da Moeda do Brasil, Ministerio da Fazenda, Brazil, October 17, 2012.

“Competitiveness and Innovation Systems”, keynote speech, Symposium of the Joint Institute for Innovation Policy (JIIP), 4th European Innovation Summit, Brussels, Belgium, October 9, 2012.

“Economic Developments, STI Policy Concerns, and Implications for Program Evaluation”, Office of the Comptroller General (CGU), Brasilia, Brazil, September 25, 2012.

“Knowledge-Intensive Entrepreneurship: The Known, The Unknown, and The About to be Known”, Agency for Industrial Development (ABDi), Brasilia, Brazil, September 24, 2012.

“Economic Developments, STI Policy Concerns, and Implications for Program Evaluation”, Ministry of Science, Technology and Innovation, Brasilia, Brazil, September 21, 2012.

“Economic Developments, STI Policy Concerns, and Implications for Program Evaluation”, Court of Audit (TCU), Brasilia, Brazil, September 18, 2012.

Discussant on Keynote Speech “Knowledge Flows in High-Tech Industry Clusters” by Professor Bo Carlsson, Final conference for the European project Advancing Knowledge-Intensive Entrepreneurship and Innovation for Economic Growth and Social Well-Being in Europe (AEGIS), Milano, Italy, September 7, 2012.

“Managing Risk in New Entrepreneurial Ventures”, Final conference for the European project Advancing Knowledge-Intensive Entrepreneurship and Innovation for Economic Growth and Social Well-Being in Europe (AEGIS), Milano, Italy, September 6, 2012.

“Portfolios of R&D Options for Decision Support and Program Assessment”, seminar, National Institutes of Health, Bethesda, Maryland, July 20, 2012.

“Knowledge-Intensive Entrepreneurship: The Known, the Unknown, and the About to Be Known”, Minerva alumni program, The George Washington University School of Business, June 8, 2012.

“Evaluation of the Economic Impacts of Collaborative R&D”, Keynote Speech, annual meeting of evaluators for the National Science Foundation Industry-University Cooperative Research Centers (IUCRC), Arlington, VA, June 7, 2012.

“A Questionable Partnership: Advanced Manufacturing and STEM Education”, Workshop on Science, Technology, Engineering, Mathematics (STEM) Enterprise: Measures for Innovation and Competitiveness”, IEEE/USA, Washington, DC, June 6, 2012.

“Strategic Business Partnerships”, series of five lectures, International MBA Program, Athens University of Economics and Business, Athens, Greece, May 23-June 2, 2012.

“Innovative Public Procurement in the United States”, Plenary Presentation at Conference “Demand, Innovation and Policy Underpinning Public Procurement Trends with Academic Analysis”, Manchester Institute of Innovation Research, Manchester Business School, University of Manchester, UK, March 22, 2012.

“Introduction”, Panel “Research as a Portfolio of Projects for Building Our Global Knowledge Society”, Annual Meetings of the American Association for the Advancement of Science (AAAS), Vancouver, Canada, Feb. 17, 2012.