

Francisco Veloso

Department of Engineering and Public Policy; Program on Strategy, Entrepreneurship and Technological Change
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Academic Positions

CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA, USA

Assistant Professor, Department of Engineering and Public Policy (Since 2004). *Visiting Assistant Professor* (2002/2003).

Educational Director, Carnegie Mellon – Portugal Initiative and Information & Communication Technologies Institute (Since 2007)

UNIVERSIDADE CATÓLICA PORTUGUESA (UCP), Lisboa, PORTUGAL

Visiting Assistant Professor. Business and Economics School - Faculdade de Ciências Económicas e Empresariais (Since 2004).

INSTITUTO SUPERIOR TÉCNICO (IST), Lisboa, PORTUGAL

Post Doctoral Research Associate. Center for Innovation, Technology and Policy Research (Jan-Aug 2001; collaboration with MIT).

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT), Cambridge, MA, USA

Post Doctoral Research Associate. Materials Systems Laboratory – CTPID (Jan-Aug 2001; collaboration with IST).

Education

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT), Cambridge, MA, USA

PhD. in Technology, Management and Policy, Engineering Systems Division (2001)

Supervisors: Prof. Alice H. Amsden, Prof. Joel P. Clark, Prof. Richard de Neufville

INSTITUTO SUPERIOR DE ECONOMIA E GESTÃO, Technical University of Lisbon, Lisboa, PORTUGAL

MSc. in Economics and Management of Science and Technology (1996)

INSTITUTO SUPERIOR TÉCNICO, Technical University of Lisbon, Lisboa, PORTUGAL

Five-Year Diploma in Physics Engineering (1992)

Teaching

- Strategy and Management of Technological Innovation at Carnegie Mellon (2007; 2008)
- Science, Technology and Innovation Policy to graduates at Carnegie Mellon (2004, 2005, 2006)
- Project Course on Engineering and Public Policy at Carnegie Mellon (2003, 2006*) *winner of the best project course
- Technology and Innovation Management to undergraduates at UCP (2002) and Carnegie Mellon (2003)
- Operations Management to undergraduates (2001) and MBA at UCP (2002, 2003, 2004, 2005)
- Industrial Policy course for MSc. students at IST (2001)

Awards and Grants

- National Science Foundation (NSF): "Evaluation of Research Groups: An Endogenous Approach" (2007). PI.
- NSF: "Sustainability in Disruptive Technology Contexts: Dynamic Capabilities and the Locus of Innovation." (2007). Co-PI.
- Kauffman Campus Initiative – "Carnegie Plan III: The Innovation Imperative." Associate Director of the University Institute created to implement the Initiative at Carnegie Mellon. (2007)
- Carnegie Mellon-Portugal Program. Thrust leader for Area of Technological Change and Entrepreneurship – establishment of a joint PhD program between Carnegie Mellon, Universidade Tecnica de Lisboa and Universidade Catolica in Portugal. (2006)
- Consejo Nacional de Ciencia y Tecnologia de Mexico: "The Impact and Productivity of Mexican Science and Technology in a Global Context." (2006). PI
- NSF: "Technology-Forcing Regulation: A Tale of Two Automotive Technologies" (2005). Co-PI.
- Berkman Faculty Development Fund at CMU: "An Endogenous Approach to the Evaluation of Research Groups." (2004) PI
- NSF: "Outsourcing Technological Innovation to Foreign Technology Centers" (2004) Co-PI.
- International Motor Vehicle Program Grant for research on automotive supplier global location issues, analysis of automotive supplier capabilities and firm response to technology forcing regulation (2004; 2005, 2006). PI
- Pennsylvania Infrastructure Technology Alliance: "Outsourcing Technology Innovation to Foreign Centers" (2004, 2006) Co-PI.
- Inmetco corporation: "Outsourcing Technological Innovation to Foreign Technology Centers." (2004) Co-PI.
- Portuguese Science Foundation (FCT): "Globalization, Diversification and Technological Capability - Firm Strategies and Geography Effects in the Auto Supplier Industry." Co-PI
- Brazilian Government grant for research on the development of the local software industry (2002) Co-PI.
- Portuguese Government grants for research on the local Autoparts Industry (1999, 2000, 2003) PI.
- MIT/TPP award for excellence and leadership in technology and policy (1998)
- Portuguese Government 'Praxis XXI' Fellowships for PhD. and MSc. Studies
- Winner of the MIT 2.810 CAD/CAM Car Competition (1996)
- JNICT-ISEG award for the best student in the technology management MSc. (1996)
- Promindústria (venture capital firm) award for the best entrepreneurial project in IST (1991)

Publications

Most Notable Journal Articles

1. Wolter, C. and Veloso, F.M., 2008. The Effects of Innovation on Vertical Structure: Perspectives on Transaction Costs and Capabilities. *Academy of Management Review* 33(3)
2. Benner, M. and Veloso, F.M., 2008. "ISO 9000 Practices and Financial Performance: A Technology Coherence Perspective," *Forthcoming at the Journal of Operations Management*. [dx.doi.org/10.1016/j.jom.2007.10.005]
3. Lee, J and Veloso, F. Inter-Firm Innovation under Uncertainty: Empirical Evidence for Strategic Knowledge-Partitioning. *Forthcoming at the Journal of Product Innovation Management* [winner the best student paper award in the Portland International Conference on Management of Technology]
4. Fifarek, B., Veloso, F.M. and Davidson, C. 2008. Offshoring Technology Innovation: A Case Study of the Rare-earth Technology. *Journal of Operations Management*. 26(2): [dx.doi.org/10.1016/j.jom.2007.02.013]
5. Blalock, G. and Veloso, F.M. Trade, Imports, Productivity Growth, and Supply Chain Learning. *World Development*. 35(7): 1134-1151 [dx.doi.org/10.1016/j.worlddev.2006.10.009]

Other Published Journal Articles

6. Gonzalez, C. and Veloso, F. The Determinants of Research Productivity: A Study of Mexican Researchers. *Research Policy*. 36: 1035-1051 [dx.doi.org/10.1016/j.respol.2007.03.005]
7. Gonzalez-Brambila, C., Lever, J. and Veloso, F.M., 2007. "Mexico's Innovation Cha-cha." *Issues in Science & Technology*. Fall 07: Global Tour of Innovation Policy, Sep 22. [http://www.issues.org/24.1/gonzalez-brambila.html]
8. Horta, H. and Veloso, F.M., 2007. Opening the box: comparing EU and US scientific output by scientific field. *Technological Forecasting and Social Change*, 74: 1334-1356. [dx.doi.org/10.1016/j.techfore.2007.02.013]
9. Veloso, F.M., 2006. Understanding Local Content Decisions: Economic Analysis and an Application to the Automotive Industry. *Journal of Regional Science*, 46(4): 747-772. [dx.doi.org/10.1111/j.1467-9787.2006.00476.x]
10. Veloso, F. and Fuchs, E., 2004. The Future of the Automobile Industry in Asia: Regional Integration, Alternative Designs & Chinese Leadership, *International J. of Vehicle Design*, 35(1/2) [inderscience.metapress.com/link.asp?id=t5fm3wbqrc78daqk]
11. Conceição, P., Heitor, M. and Veloso, F., 2003. Infrastructures, Incentives and Institutions: Fostering Distributed Knowledge Bases for the Learning Society. *Technological Forecasting & Social Change*. 70(7):583-617 [dx.doi.org/10.1016/S0040-1625(03)00046-5]
12. Veloso, F. and Roth, R., 2003. Cost Implications of the eSupply Chain in the Auto Industry: Results from a Simple Model, *International Journal of Technology Policy and Management*, 3(2) [dx.doi.org/10.1504/IJTPM.2003.003888]
13. Veloso, F. and Kumar, R., 2003. The Automotive Supply Chain: Global Trends and Asian Perspectives, *International Journal of Business and Society*, 4(2), July. Previously *Asian Development Bank ERD Working Paper Series n° 3*, January 2002. [article on the top 50 downloads from adb.org for in 2002] [www.adb.org/Documents/ERD/Working_Papers/wp003.pdf]
14. Veloso, F. and Fixson, S., 2001. Make-Buy Decisions in the Auto Industry: New perspectives on the role of the supplier as an innovator, *Technological Forecasting and Social Change*, 67(2-3): 239-257 [dx.doi.org/10.1016/S0040-1625(00)00092-5]
15. Veloso, F. and Soto, J., 2001. Incentives, Infrastructure and Institutions: Perspectives on Industrialization and Technical Change, *Technological Forecasting and Social Change*, 66(1): 87-109. [dx.doi.org/10.1016/S0040-1625(99)00065-7]
16. Pinto, I., Veloso, F. and Felizardo J., 1997. Alternative paths for the development of technological competences in the Portuguese Industry: A case study approach, *Industry and Higher Education*, February.

Journal Articles under Review

17. Pereira, P. and Veloso, F. "R&D Activity Selection Process: Building a Strategy Aligned R&D Portfolio." *Under second review at IEEE Transactions on Engineering Management*.
18. Wolter, C., Veloso, F and Steinemann, P., "Technological diversification and economic performance: A within industry perspective." *Invited to Resubmit at Strategic Management Journal*
19. Veloso, F., Horta, H. and Grediaga, R. "Navel gazing: Academic inbreeding and scientific productivity." *Invited to Resubmit at Management Science*
20. Veloso, F. and Roth, R. "System Cost Modeling: Estimating Manufacturing Cost in Large Complex Systems," *Invited to Resubmit at Research in Engineering Design*
21. Lee, J, Hounshell, and Veloso, F. "The Influence of Technology Forcing Government Regulation on Innovation in Automotive Emission Control Technologies." *Under Review at Academy of Management Journal*
22. Vaccaro A., Veloso F., Brusoni S. "The Impact of Virtual Technologies on Knowledge Based Processes: An Empirical Study." *Under Review at Rresearch Policy*.
23. Veloso, F., Reyes-Gonzalez, L. and Gonzalez-Brambila, C. "The Scientific Impact of Developing Nations." *Under Review at Science and Public Policy*
24. Vaccaro A. Parente, R. and Veloso, F. "Knowledge Management Tools, Innovation Capabilities and Firm Performance." *Under Review at Information and Management*
25. Vaccaro A., Brusoni S., Veloso F., "Replication as Process: Simplification and Deepening in the Design Space of Hybrid Engines," *Working Paper*.

Edited Books and Volumes

26. Conceição, P., Ferreira, P., Tavares, J.A., Vasconcelos, N. and Veloso, F. (eds.), 2003. Investing in the future: University Industry Collaborations in Portugal and USA. Lisboa: Edições Gradiva (in Portuguese).
27. Conceição, P., Gibson, D., Heitor, M., Sirilli, G. and Veloso, F. (eds.), 2002. *Knowledge for Inclusive Development*. Westport, CT: Quorum Publishers.
28. Veloso, F., Henry, C., Roth, R., Clark, J., 2000. *Global Strategies for the Development of the Portuguese Autoparts Industry*. Lisboa: IAPMEI, May 2000.

Chapters published in Edited Volumes

29. Horta, H and Veloso, F. M. "Scientific Output, Social Infrastructure and Science Policies: the Case of Small and Medium-sized Countries," in Geenhuizen, Trzmielak, Gibson, and Urbaniak (Eds), *Value-Added Partnering and Innovation in a Changing World*. Purdue University Press. (forthcoming)
30. Costa, T., Videira, A. and Veloso, F., 2006. "Assessing Value Creation and Backward Linkages in Foreign Investment: A Combination of Macro and Micro Tools." In Tavares, A.T. and Teixeira, A.C. (eds.) *Multinationals, Clusters and Innovation: does public policy matter?* N.Y.: Palgrave Macmillan.
31. Botelho, A.J., Stefanuto, G., and Veloso, F., 2005. "The Brazilian Software Industry." In Arora, A. and Gambardella, A., *From Underdogs to Tigers: The Rise and Growth of the Software Industry in Some Emerging Economies*. Oxford University Press.
32. Selada, C. Veloso, F., Videira, A. and Felizardo, J., 2002. "The Technology and Innovation Audit Methodology TEC+: Use for a Company in the Car Component Sector in Portugal," in Conceição, P., Gibson, D., Heitor, M., Sirilli, G. and Veloso, F. (eds.), *Knowledge for Inclusive Development*. Westport, CT: Quorum Publishers.
33. Veloso, F. and Felizardo, J., 2000. "Perspectives for the Autoparts Industry in late-Developing Countries: A Case Study," in Conceição, P., Gibson, D., Heitor, M. and Shariq, S. (eds.), *Science, Technology and Innovation Policy: Opportunities and Challenges for the 21st Century*. Westport, CT: Quorum Publishers
34. Veloso, F. e Felizardo, J., 1998. "As Universidades e a Educação Empreendedora," in Conceição, P., Santos, F. e Heitor, M., *Novas Ideias para a Universidade*, Lisboa, IST Press. (in Portuguese)
35. Veloso, F., 1998. "Infraestruturas Tecnológicas, para além da interface universidade-indústria," in Conceição, P., Santos, F. e Heitor, M., *Novas Ideias para a Universidade*, Lisboa, IST Press. (in Portuguese)

Articles in final stages of preparation for submission

36. Brambila, C., Veloso, F., Krackhardt, D., Social Capital and the Creation of Knowledge. *Working Paper*
37. Fifarek, Brian J., Veloso, Francisco M. and Davidson, Cliff I., The internationalization of industry supply chains and the location of innovation activities. *Sloan Industry Studies Working Paper, 2007*.
38. Faria, P., Veloso, F. and Conceicao, P., Innovative Shocks and Productivity, *Working Paper*
39. Lowe, R. and Veloso, F. Patently Wrong? Firm Strategy and the Decision to Disband Technological Assets. *Working Paper*
40. Wolter, C. and Veloso F. "Innovation and Vertical Structure: A Conceptual Computational Model". *Working Paper*

Thesis Supervised

- 2007 Vaccaro, Antonino. *Information and Communication Technologies, Knowledge Based Processes and Firm Innovation*. Doctoral Dissertation, Departamento de Engenharia e Gestão Industrial. Instituto Superior Técnico, Universidade Técnica de Lisboa. Co-supervisor. Finalist for the 2007 Sloan Industry Studies Best Dissertation Award. Post-doctoral researcher at Carnegie Mellon University
- 2005 Lee, Jaegul. *Innovation in Automotive Emission Control Technologies: Government Actions, Sources of Innovation, and Innovation Strategy*. Doctoral Dissertation, Department of Engineering & Public Policy, Carnegie Mellon. Winner of the 2006 Sloan Industry Studies Best Dissertation Award. Co-supervisor. Assistant Professor, Wayne State University.
Gonzalez-Brambila, Claudia. *Exploring Academic Scientific Productivity for the Design of Public Policies*. Doctoral Dissertation, Department of Engineering & Public Policy, Carnegie Mellon University. Winner of the Best Dissertation Award of the INFORMS Technology Management Section in 2006. Assistant Professor, ITAM, Mexico.
- 2001 Monteiro, A. *Production Cost Modeling for the Automotive Industry. Dissertation requirement for MSc in Engineering Policy and Management of Technology* at Instituto Superior Tecnico, UTL. Co-supervisor.
Videira, A. *Dinâmicas de Aprendizagem no Contexto de uma Economia em Estádio Intermédio de Desenvolvimento: Casos de Estudo no Sector de Componentes Automóvel*. Dissertation requirement for MSc in Engineering Policy and Management of Technology at Instituto Superior Tecnico, UTL. Co-supervisor.
Reis, L. *Factores Estratégicos de Desenvolvimento da Indústria de Componentes Automóvel em Portugal: Os Determinantes da Qualidade das Empresas*. Dissertation requirement for MSc in Engineering Policy and Management of Technology at Instituto Superior Tecnico, UTL. Co-supervisor

Papers Presented in Conferences

- 2007 Vaccaro, A., Brusoni S., Veloso, F. "The Impact of Virtual Design Tools on Knowledge Replication and Recombination." Academy of Management Philadelphia, August.
Vaccaro, A., Parente, R. Veloso, F. "Knowledge Management Tools, Innovation Capabilities and Firm Performance." Academy of Management, Philadelphia, August.
Wolter, C. and Veloso, F. "The Effects of Innovation on Vertical Structure: A Conceptual Computational Model." Academy of Management, Philadelphia, August.

- Wolter, C. and Veloso, F. "Innovation and Vertical Structure: A Conceptual Computational Model." Automotive Mini-Conference, Wharton School of Management, Philadelphia, June.
- Vaccaro, A. Brusoni S., Veloso F. "The Role of Virtual Design Tools on Knowledge Replication and Recombination: An Empirical Investigation." DRUID, Copenhagen, June.
- Vaccaro, A. Brusoni S., Veloso F. "The Role of Virtual Design Tools on Knowledge Replication and Recombination: An Empirical Investigation." Mini-Conference on Barriers to Intra- and Inter-firm Knowledge Transfer, Copenhagen, June.
- Fifarek, Brian J., F.M. Veloso and C.I. Davidson. "The internationalization of industry supply chains and the location of innovation activities." Sloan Industry Studies Annual Conference, Cambridge, May.
- Lee, J, Hounshell, D. and Veloso, F. "Innovation and Technology Policy: Lessons from Emission Control and Safety Technologies in the U.S. Automobile Industry." Sloan Industry Studies Annual Conference, Cambridge, May.
- Vaccaro, A. Veloso F., Brusoni S. "The Virtualization of knowledge based processes: an empirical investigation." Organization Science Winter Conference, February.
- 2006 Brambila, C., Veloso, F., Krackhardt, D. Social Capital and the Creation of Knowledge. INFORMS Annual Meeting, Pittsburgh, October.
- Vaccaro A., Veloso F., Parente R., Virtual knowledge management, the effectiveness of innovative activities and the impact on firms' performances, INFORMS Annual Meeting, Pittsburgh, October.
- Vaccaro A. and F. Veloso, The virtualization of firms' knowledge creation processes: an empirical investigation in the automotive sector, Academy of Management Conference, Atlanta, August
- Wolter, C. and Veloso, F. Transaction Costs, Capabilities and Innovation: Implications for Vertical Structure. Academy of Management Conference, Atlanta, August.
- Brambila, C., Veloso, F., Krackhardt, D. Social Capital and the Creation of Knowledge. Academy of Management Conference, Atlanta, August.
- Reyes-Gonzalez, Leonardo and Veloso, Francisco. Evaluation of Research Groups: An endogenous approach. The Atlanta Conference on Science and Technology Policy 2006. Georgia Institute of Technology, Atlanta May 2006.
- 2005 Lee, J., Hounshell, D. and Veloso, F. Dominant Design and Population Dynamics for Complex Technological Systems: the Case of Catalytic Auto Pollution Control. INFORMS Annual Meeting, San Francisco, November.
- Wolter, C. and Veloso, F. Transaction Costs, Capabilities and Innovation: Implications for Vertical Structure. INFORMS Annual Meeting, San Francisco, November.
- Lee, J. and Veloso, F., Knowledge Partitioning and Inter-firm Innovation: An empirical Case Analysis. PICMET - Portland International Conference on the Management of Engineering and Technology, July. [Won award for best student paper]
- Lowe , R. and Veloso, F. Patently Wrong? Firm Strategy and the Decision to Disband Technological Assets. Academy of Management, Honolulu, August.
- Lee, J. and Veloso, F., Knowledge Partitioning and Inter-firm Innovation: An empirical Case analysis. Academy of Management, Honolulu, August.
- Vaccaro A. and F. Veloso, The role of ICT on technological knowledge based processes: an empirical investigation, Proceedings of the 8th International Conference on Technology Policy and Innovation, Lodz, July.
- Lowe , R. and Veloso, F. Patently Wrong? Firm Strategy and the Decision to Disband Technological Assets. Wharton Technology Mini-Conference, Philadelphia, April.
- 2004 Lowe , R. and Veloso, F. Patently Wrong? Firm Strategy and the Decision to Disband Technological Assets. INFORMS Annual Meeting, Denver, October.
- Lee, J, Hounshell, D., Rubin, E. and Veloso, F. The Influence of Technology Forcing Government Regulation on Innovation in Automotive Emission Control Technologies. Academy of Management, New Orleans, August
- Wolter, C., Veloso, F and Steinemann, P., Technological diversification and economic performance: A within industry perspective. Academy of Management, New Orleans, August.
- Benner, M. and Veloso, F., Process Management Practices and Performance: The Moderating Effect of Technological Capabilities in the Automotive Components Sector. Academy of Management, New Orleans, August.
- Lowe , R. and Veloso, F. Patently Wrong? Firm Strategy and the Decision to Disband Technological Assets. International Schumpeter Society Meeting, Milan, June.
- 2003 Conceição, P., Heitor, M.H. and Veloso, F. Innovative Shocks and Productivity. What Do We Know About Innovation? A Conference in honour of Keith Pavitt. SPRU, Sussex, November.
- Wolter, C., Veloso, F and Steinemann, P., Technological diversification and economic performance: A within industry perspective. INFORMS Annual Meeting, Atlanta, October.
- Blalock, G. and Veloso, F. Trade, Technology Transfer and The Supply Chain: The Neglected Role of Imports. Academy of Management, Seattle, August.
- Veloso, F. Performance Standards, Information and Local Content Decisions. Eastern Academy of Management, Porto, June 2003.
- Wolter, C., Veloso, F and Steinemann, P., Veloso, F. Diversification and Performance: The Role of Technology. POMS Annual Meeting. Savannah, April.
- 2002 Veloso, F. Performance Standards, Information and Local Content Decisions. INFORMS Annual Meeting, San Jose.
- Veloso, F. and Conceicao, P. Is Investing in Innovation Unproductive? Academy of Management. Denver, Colorado. Paper nominated for the all Academy Carolyn Dexter Award.

- 2001 Veloso, F. and Roth, R. eSupply Chain in the Auto Industry: Cost Implications of Physical and Digital Proximity. INFORMS Annual Meeting. Miami Beach.
Kirchain, R., Veloso, F. and Roth, R. Comparing Process-Based Costing Methods: A Trade-Off between Accuracy & Data Intensity. INFORMS Annual Meeting. Miami Beach.
Veloso, F. Local Content Requirement and Industrial Development: Economic Analysis and Cost Modeling of the Automotive Supply Chain. Academy of Management. Washington D.C.
Veloso, F. and Roth, R., New Technologies in Emerging Markets. Understanding Technology, Market and Policy Constraints to the Adoption of Advanced Automotive Technologies. Proceedings of the 34th Hawaii International Conference on System Sciences.
- 2000 Veloso, F. Henry, C. and Roth, R. Can Small firms leverage global competition? Evidence from the Portuguese and Brazilian Automotive Supplier Industries. *Proceedings of the 4th International Conference on Tech. Policy and Innovation*, Curitiba, Brazil.
- 1999 Veloso, F. and Fixson, S., Make-Buy Decisions in the Auto Industry: New perspectives on the role of the supplier as an innovator. *Proceedings of the 3rd International Conference on Technology Policy and Innovation*, Austin, Texas
Selada, C., Videira, A., Felizardo, J. and Veloso, F., Technological Capabilities and Organizational Patterns: Results from the Technology and Innovation Audit Program in the Portuguese Moulds Industry. *Proceedings of the 3rd International Conference on Technology Policy and Innovation*, Austin, Texas
- 1998 Veloso, F. and Soto, J., Firms, Institutions, industrial Strategies and Technology Development: Evidence from the Auto Industry in Taiwan and Mexico, *2nd International Conference on Tech. Policy and Innovation*, Lisboa, Portugal
Veloso, F. Strategy & Power: Firms and Governments in Industrial Development. INFORMS Annual Meeting, Seattle.
Technology Auditing: A case study in the Portuguese Autoparts Industry. *Proceedings of the 2nd International Conference on Technology Policy and Innovation*, Lisboa
- 1997 Veloso, F. and Felizardo, J., Challenges and Perspectives for the Portuguese Autoparts Industry, *Proceedings of the 1st International Conference on Technology Policy and Innovation*, Macau.
Heitor, M., Conceição, P. and Veloso, F., On the Definition of a Public Policy Towards the Financing of Technology Infrastructures. *Proceedings of the 30th Annual Hawaii International Conference on System Sciences*, Maui. Hawaii, Nominated for Best Paper in the Conference.
- 1995 Veloso, F. e Felizardo, J., TEC+ Technology development to improve Competencies and Capabilities in Portuguese Firms. *Proceedings of the 5th International Forum on Technology Management.*, Espoo, Finland.
- 1991 Veloso, F., Frias, M. and Diogo., A. C., Análise Dinâmico-Mecânica de fibras e compósitos flexíveis de matriz polimérica. Correlações com propriedades finais. *Annual Meeting of Sociedade Portuguesa de Materiais*, November

Major Independent Contracts and Studies

- 2005 *Assessment of Portuguese National Innovation Plan*. Commissioned by the Portuguese Ministry of Science, Technology and Higher Education of the XVII Government to lead independent team to assess the Innovation Plan proposed by the XVI Government.
- 2002/4 Brazilian Government grant to study the development of the local software industry. Led to two reports: Giannelli, B., Hochman, N., Botelho, A., Stefanuto, G., Vagheti, C. and Veloso, F. *Leveraging the Knowledge Economy in Brazil The Software Industry* (in Portuguese). Softex; Parana Tecnologia. Veloso, F., Botelho, A., Tschang, T. and Amsden, A., 2004. *Slicing the Knowledge-based Economy in Brazil, China and India: A Tale of three software Industries*. Mimeo.
- 2002 *Preliminary Study for Metrocubo Portugal*. Part of the team of MIT researchers contracted by IAPMEI (the Portuguese industry development agency) to study, in collaboration with Pininfarina, the economics of developing and producing an innovative hybrid niche vehicle in Portugal
- 2000 *Global Strategies for the Development of the Portuguese Autoparts Industry*. Lead researcher in project contracted by IAPMEI (the Portuguese industry development agency) to assess the competitiveness of the Portuguese autoparts industry, evaluate future scenarios and suggest future policies. A Book with the results of the project has been published jointly with J. Clark, R. Roth and C. Henry.
- 2000 *EProcurement Strategies for the Portuguese Government*. Member of the working group commissioned by the national Minister of Science and Technology to propose a strategy for eProcurement in the Portuguese Government. This effort led to a report: Caupers, J., Lorena, A., Veloso, F., Oliveira, L. and Amorim, P. *Aquisição de bens por via electrónica pela Administração Pública*. Relatório do Ministério da Ciência e Tecnologia no âmbito da RCM 143/2000 de 27/9.
- 2000 *The automotive supply chain: Global trends and Asian perspective*. Background paper contracted by the Asian Development Bank for Project on International Competitiveness of Asian Economies. September.
- 2000 *The vertical integration of the component supplier chains and its impact on multi-tier supplier relations*. Contract paper developed together with Joel Clark and presented at the European Union workshop, "The Automotive Industry: Component Suppliers; current and prospective regulatory approaches" organized by the European Commission, DG Enterprise. Lisbon, May.
- 1996 *Strategies for the Development of the Thai Autoparts Industry*. Researcher in project to study the development of the autoparts industry in Mexico and Taiwan and suggest strategies for Thailand. The work, led by Prof. Alice Amsden, was sponsored by the Thai Government. The effort led to the Report joint with Soto, J. and Amsden, A., *A comparative assesment of the development of the Autoparts Industry in Mexico and Taiwan: Policy implications for Thailand*, MIT.

General Audience Publications

- 2006/7 Three articles published in *Público*, one of the leading daily newspapers in Portugal (in Portuguese)
- 2003/4 Five articles in Felizardo, J.R., Selada, C. and Videira, A. (eds.) *Nunca é cedo para mudar Portugal*. Lisboa: Editora Publico. Collection of articles published in *Público*, one of the leading daily newspapers in Portugal (in Portuguese)
- 2002 Article- Contar Estações de CAD, in *Visto da Católica*. Editora UCP. Collection of articles published in *Diário de Notícias*, one of the leading daily newspapers in Portugal

Invited Presentations and Seminars

- 2006 New York University (March); MIT (June, through the International Motor Vehicle Program); Universidade Acores, Portugal (June); Instituto Superior Técnico, Portugal (June)
- 2005 Instituto Superior Técnico, Portugal (February); Wharton School, U. Pennsylvania (June, through the International Motor Vehicle Program); Faculdade de Economia, Amarante, Portugal (May); Instituto Superior Técnico, Portugal (May, through Globelics PhD school) IMVP Sponsors Meeting Seoul, SK and Tokyo, JP (October).
- 2004 Instituto Superior Técnico, Portugal (March); MIT (May, through the International Motor Vehicle Program); Instituto Superior de Economia e Gestão, Portugal (June, through Globelics PhD school); Faculdade de Economia Porto (May).
- 2003 Wharton School, U. Pennsylvania (April, through the International Motor Vehicle Program); Instituto Superior Técnico, Portugal (June); CIDE, Mexico City (November); Carnegie Mellon University (November); ITS – Software Technology Institute, Brazil (December)
- 2002 Carnegie Mellon University (March), Universidade de Campinas, Brazil (May), Instituto Superior Técnico, Portugal (October), Secretary of State for Science and Technology, Parana, Brazil (October)
- 2001 Universidade Católica Portuguesa (November), Massachusetts Institute of Technology (May); Carnegie Mellon University (April)

Service and Professional Activities

- Associate Editor for Innovations: Technology, Governance, and Globalization. MIT Press
- Chair Elect, Technology Management Section of INFORMS
- Reviewer for Management Science, Journal of Operations Management, Organization Science, World Development, Small Business Economics; ACM Transactions on Internet Technology, International Journal of Technology Management; Management Research, Asian Development Review, Portuguese Economic Journal
- Organizer and host of weekly research seminar at Carnegie Mellon University (2005/2007)
- Program Committee of the International Conference on Technology Policy and Innovation (1996, 1997)
- Portuguese American Post-Graduate Society, Founder and Treasurer (1998-2000)
- Technology and Policy Student Society at MIT, Founder and President (1998)
- Junitec - Entrepreneurship Society at Instituto Superior Técnico, President (1992-1993)

Other Professional Experience

ITEC, RESEARCH AND INNOVATION CONSORTIA, Lisboa, PORTUGAL
Research and Development Manager (1992-1996)

Societies

- Academy of Management; INFORMS; POMS, IMVP