

# Vincenzo ESPOSITO VINZI

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## RESEARCH INTERESTS

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Statistical Data Analysis, Econometrics, Probability Theory & Mathematical Statistics

## EDUCATION

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| 1997 | Ph.D. in Computational Statistics, Università di Napoli Federico II, Italy           |
| 1993 | Master's degree in Management and Economics, Università di Napoli Federico II, Italy |

## EMPLOYMENT

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### Full-time academic positions

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| 2010 - Present | Professor, ESSEC Business School, France                                   |
| 2008 - 2012    | Visiting Professor, Università degli Studi di Cagliari, Italy              |
| 2007 - 2010    | Associate Professor, ESSEC Business School, France                         |
| 2007 - 2007    | Visiting Professor, HEC Paris, France                                      |
| 2001 - 2001    | Visiting Professor, Université Toulouse III Paul Sabatier, France          |
| 2000 - 2000    | Visiting Professor, Charles University, Czechia                            |
| 1997 - 2007    | Associate Professor of Statistics, Università di Napoli Federico II, Italy |

## GRANTS AND HONORS

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### Awards and Honors

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| 2014 | Honorable Mention 8th International Conference on Partial Least Squares and Related Methods, for the article "Quantile PLS Path Modeling" (with C. Davino).  |
| 2012 | Literati Network Award for Excellence 2012: Highly Commended Award, for the article "Modeling a Causality Network for Tourism Development: An Empirical Analysis," Journal of Modelling in Management (co-authored with Guy Assaker) |
| 2010 | Most cited paper (2005-2010) published in "Computational Statistics and Data Analysis": PLS Generalised Linear Regression, Elsevier  |
| 2010 | Top Cited Article 2005-2010 Award. Computational Statistics and Data Analysis : PLS Path Modeling, Elsevier  |

- 2005 Winner of the "Pierre Vernimmen-BNP Paris Teaching Awards" 2005 at the HEC School of Management for the quality of the pedagogical relationships with students (MBA and Doctoral programmes), the teaching method, the mastery of the taught subjects, the innovative features of the course and the quality of the used teaching tools, HEC Paris, France
- 2001 Honoured in the "Pierre Vernimmen-BNP Paris" Teaching Awards 2001 at the HEC School of Management, HEC Paris, France
- 2001 Decorated with the ISOSS (Islamic Society of Statistical Sciences) Award in recognition of his contribution to the development of statistical sciences, Islamic countries society for statistical sciences (ISOSS), Pakistan

## Grants

- 1998 Post-Doctoral Fellowship, Università di Napoli Federico II, Italy

## PUBLICATIONS

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### Journal Articles

- DAVINO, C., ESPOSITO VINZI, V., SANTACREU VASUT, E. and VRANCEANU, R. (2019). An Attitude Model of Environmental Action: Evidence from Developing and Developed Countries. *Social Indicators Research*, 143(2), pp. 811-838.
- DOLCE, P., ESPOSITO VINZI, V. and LAURO, N.C. (2017). Non-Symmetrical Composite-Based Path Modeling. *Advances in Data Analysis and Classification*, 12(4), pp. 759-784.
- DAVINO, C., DOLCE, P., TARALLI, S. and ESPOSITO VINZI, V. (2016). A Quantile Composite-Indicator Approach for the Measurement of Equitable and Sustainable Well-Being: A Case Study of the Italian Provinces. *Social Indicators Research*, 136(3), pp. 999-1029.
- DE GIOVANNI, P., ESPOSITO VINZI, V. and COLICEV, A. (2016). An Empirical Investigation of the Antecedents of Partnering Capability. *International Journal of Production Economics*, 178, pp. 144-153.
- COLICEV, A., O'CONNOR, P. and ESPOSITO VINZI, V. (2016). Is Investing in Social Media Really Worth It? How Brand Actions and User Actions Influence Brand Value. *Service Science*, 8(2), pp. 152-168.
- DAVINO, C. and ESPOSITO VINZI, V. (2016). Quantile Composite-Based Path Modeling. *Advances in Data Analysis and Classification*, 10(4), pp. 491-520.
- ESPOSITO VINZI, V. (2016). Teaching and Research in an International Context. *Reflets Hors-Série ESSEC Knowledge*, (2), pp. 16-17.
- GOTSCHOL, A., DE GIOVANNI, P. and ESPOSITO VINZI, V. (2014). Is Environmental Management an Economically Sustainable Business? *Journal of Environmental Management*, 144(1), pp. 73-82.
- ESPOSITO VINZI, V. and RUSOLILLO, G. (2014). Partial Least Squares Algorithms and Methods. *Wires Computational Statistics*, 5, pp. 1-19.
- DE GIOVANNI, P. and ESPOSITO VINZI, V. (2014). The Benefits of a Monitoring Strategy for Firms Subject to the Emissions Trading System. *Transportation Research Part D: Transport and Environment*, 33, pp. 220-233.

- DE GIOVANNI, P. and ESPOSITO VINZI, V. (2014). The Benefits of the Emissions Trading Mechanism for Italian Firms: A Multi-Group Analysis. *International Journal of Physical Distribution and Logistics Management*, 44(4), pp. 305-324.
- ZARGOUSH, M., ALEMI, F., ESPOSITO VINZI, V., VANG, J. and KHEIRBEK, R. (2014). A psychological approach to learning causal networks. *Health Care Management Science*, 17(2), pp. 194-201.
- ASSAKER, G., HALLAK, R., ESPOSITO VINZI, V. and O'CONNOR, P. (2013). An Empirical Operationalization of Countries' Destination Competitiveness Using Partial Least Squares Modelling. *Journal of Travel Research*, 53(1), pp. 26-43.
- DE GIOVANNI, P. and ESPOSITO VINZI, V. (2012). Covariance versus Component-Based Estimations of Performance in Green Supply Chain Management. *International Journal of Production Economics*, 135(2), pp. 907-916.
- CARBONE, V., MOATTI, V. and ESPOSITO VINZI, V. (2012). Mapping Corporate Responsibility and Sustainable Supply Chains: An Exploratory Perspective. *Business Strategy and the Environment*, 21(7), pp. 475-494.
- DESMET, P., LE NAGARD, E. and ESPOSITO VINZI, V. (2012). Refund Depth Effects on the Impact of Price-Beating Guarantees. *Journal of Business Research*, 65(5), pp. 603-608.
- ASSAKER, G., ESPOSITO VINZI, V. and O'CONNOR, P. (2011). Examining the Effect of Novelty Seeking, Satisfaction, and Destination Image on Tourists' Return Pattern: A Two Factor, Non-linear Latent Growth Model. *Tourism Management*, 32(4), pp. 890-901.
- ASSAKER, G., ESPOSITO VINZI, V. and O'CONNOR, P. (2011). Extending a Tourism Causality Network: A Cross-Country, Multigroup Empirical Analysis. *Tourism and Hospitality Research (formerly International Journal of Tourism and Hospitality Research: The Surrey Quarterly Review)*, 11(4), pp. 258-277.
- ASSAKER, G., ESPOSITO VINZI, V. and O'CONNOR, P. (2011). Modeling a Causality Network for Tourism: An Empirical Analysis. *Journal of Modelling in Management*, 6(3), pp. 258-278.
- ESPOSITO VINZI, V., TRINCHERA, L., SQUILLACCIOTTI, S. and TENENHAUS, M. (2008). REBUS-PLS: A Response-based Procedure for Detecting Unit Segments in PLS Path Modelling. *Applied Stochastic Models in Business and Industry*, 24(5), pp. 439-458.
- ESPOSITO VINZI, V., GUINOT, C. and SQUILLACCIOTTI, S. (2007). Two-step PLS Regression for L-structured Data: An Application in the Cosmetic Industry. *Statistical Methods and Applications*, pp. 263-278.
- BASTIEN, P., ESPOSITO VINZI, V. and TENENHAUS, M. (2005). PLS Generalised Regression. *Computational Statistics and Data Analysis*, 48(1), pp. 17-46.
- TENENHAUS, M., ESPOSITO VINZI, V., CHATELIN, Y.M. and LAURO, C. (2005). PLS Path Modeling. *Computational Statistics and Data Analysis*, 48(1), pp. 159-205.
- TENENHAUS, M. and ESPOSITO VINZI, V. (2005). PLS Regression, PLS Path Modeling and Generalized Procrustean Analysis: A Combined Approach for Multiblock Analysis. *Journal of Chemometrics*, 19, pp. 145-153.
- AMATO, S. and ESPOSITO VINZI, V. (2003). Bootstrap-based Qkh2 for the selection of components and variables in PLS regression. *Chemometrics and Intelligent Laboratory Systems*, 68(43862), pp. 5-16.
- ESPOSITO VINZI, V. (2001). Explanatory Methods for Comparative Analyses. *Chemometrics and Intelligent Laboratory Systems*, 58(2), pp. 275-286.

ESPOSITO VINZI, V. and BALBI, S. (2000). Rotated Canonical Analysis onto a Reference Subspace. *Computational Statistics and Data Analysis*, 32(43924), pp. 395-410.

ESPOSITO VINZI, V. and BALBI, S. (1999). A Simultaneous Non-Symmetrical Principal Component Analysis with a Group Structure. *Applied Stochastic Models in Business and Industry*, 15(4), pp. 301-309.

ESPOSITO VINZI, V. (1998). Deterministic and Probabilistic Models for Symmetrical and Non Symmetrical Principal Component Analysis. *Metron: international journal of statistics*, LVI(43924), pp. 139-154.

### Books and book editor

ESPOSITO VINZI, V. (2025). *Transcendons le progrès ! : Manifeste pour un leadership éclairé*. 1st ed. Paris: Editions de l'éclaireur.

ABDI, H., ESPOSITO VINZI, V., RUSSOLILLO, G., SAPORTA, G. and TRINCHERA, L. [Eds] (2016). *The Multiple Facets of Partial Least Squares and Related Methods*. Springer, 316 pages.

ESPOSITO VINZI, V. [Ed] (2013). *New Perspectives in Partial Least Squares and Related Methods*. Springer, 344 pages.

ESPOSITO VINZI, V., CHIN, W.W., HENSELER, J. and WANG, H. [Eds] (2010). *Handbook of Partial Least Squares: Concepts, Methods and Applications*. Springer, 798 pages.

ESPOSITO VINZI, V., LAURO, C., ANTOCH, J. and SAPORTA, G. [Eds] (2002). *Multivariate Total Quality Control: Foundation and Recent Advances*. Heidelberg: Physica-Verlag.

### Book chapters

ESPOSITO VINZI, V., SANTACREU VASUT, E., VRANCEANU, R. and DAVINO, C. (2024). Shaping citizens' attitudes to engage in climate action in the global south and global north. In: Hugues Bouthinon-Dumas, Arijit Chatterjee, Bernard Leca eds. *Navigating the Ecological Transition: A Business School Perspective*. 1st ed. Albington & New York: Routledge, pp. 3-10.

DOLCE, P., ESPOSITO VINZI, V. and CARLO, L. (2017). Predictive Path Modeling Through PLS and Other Component-Based Approaches: Methodological Issues and Performance Evaluation. In: *Partial Least Squares Path Modeling: Basic Concepts, Methodological Issues and Applications*. 1st ed. Springer, pp. 153-172.

DAVINO, C., ESPOSITO VINZI, V. and DOLCE, P. (2016). Assessment and Validation in Quantile Composite-Based Path Modeling. In: *The Multiple Facets of Partial Least Squares and Related Methods*. 1st ed. Springer, pp. 169-180.

DOLCE, P., ESPOSITO VINZI, V. and LAURO, C. (2016). Path Directions Incoherence in PLS Path Modeling: A Prediction-Oriented Solution. In: *The Multiple Facets of Partial Least Squares and Related Methods*. 1st ed. Springer, pp. 59-70.

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ESPOSITO VINZI, V. and TRINCHERA, L. (2013). Modèles locaux issus d'un modèle d'équations structurelles. In: *Modèles à variables latentes et modèles de mélange*. 1st ed. Éditions TECHNIP, pp. 177-214.

ESPOSITO VINZI, V., TRINCHERA, L. and AMATO, S. (2010). PLS Path Modeling: From Foundations to Recent Developments and Open Issues for Model Assessment and Improvement. In: *Handbook of Partial Least Squares: Concepts, Methods and Applications*. 1st ed. Springer, pp. 47-82.

MARTENS, M., TENENHAUS, M., ESPOSITO VINZI, V. and MARTENS, H. (2007). The Use of Partial Least Squares Methods in New Food Product Development. In: *Consumer-led Food Product Development*. 1st ed. Woodhead Publishing, pp. 492-523.

ESPOSITO VINZI, V., LAURO, C. and AMATO, S. (2005). PLS Typological Regression: Algorithmic, Classification and Validation Issues. In: *New Developments in Classification and Data Analysis*. 1st ed. New York: Springer, pp. 133-140.

LAURO, C. and ESPOSITO VINZI, V. (2002). Non Symmetrical Multivariate Statistical Methods for Quality Control and Batch Processes Monitoring. In: *Analisi Multivariata per la Qualità Totale*. 1st ed. Milano: FrancoAngeli, pp. 45-65.

ESPOSITO VINZI, V. (2002). Non-Symmetrical Comparative Analysis for Quality Control. In: *Multivariate Total Quality Control: Foundation and Recent Advances*. 1st ed. Heidelberg: Springer, pp. 191-220.

ESPOSITO VINZI, V. and LAURO, C. (2000). Non Symmetrical Data Analysis Approaches: Recent Developments and Perspectives. In: *Data Analysis, Scientific Modeling and Practical Application*. 1st ed. Heidelberg: Springer, pp. 219-232.

ESPOSITO VINZI, V. and SCEPI, G. (1999). A Non Symmetrical Generalised Co-Structure Analysis for Inspecting Quality Control Data. In: *Classification and Data Analysis. Theory and Application*. 1st ed. Heidelberg: Springer, pp. 179-186.

#### Conference proceedings editor

MOLA, F., CONVERSANO, C., ESPOSITO VINZI, V. and FISHER, N. (2009). EURISBIS' 09 - Book of Abstracts. Tilapia, Italy.

ESPOSITO VINZI, V., TENENHAUS, M. and GUAN, R. (2009). Proceedings of the 6th International Conference on Partial Least Squares and Related Methods. Publishing House of Electronics Industry, China.

#### Conference proceedings

ESPOSITO VINZI, V., RUSSOLILLO, G. and TRINCHERA, L. (2010). An Integrated PLS Regression-based Approach for Multidimensional Blocks in PLS Path Modeling. In: *42èmes Journées de Statistique de la Société Française de Statistique*. SFdS, Société Française de Statistique.

RUSSOLILLO, G., TRINCHERA, L. and ESPOSITO VINZI, V. (2009). A Non Linear Regularized Component-based Approach to Structural Equation Modeling. In: *Statistical Methods for the Analysis of Large Data-sets*. CLEUP, pp. 195-198.

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ESPOSITO VINZI, V. and TRINCHERA, L. (2008). Latent Class Detection in Component-Based Structural Equation Modeling. In: *XLIV Scientific Meeting of the Italian Statistical Society (SIS). Proceedings of the XLIV SIS Scientific Meeting*. CLEUP, pp. 147-154.

ESPOSITO VINZI, V., FAHMY, T., CHATELIN, Y.M. and TENENHAUS, M. (2007). PLS Path Modeling: Some Recent Methodological Developments, a Software Integrated in XLSTAT and its Application to Customer Satisfaction Studies. In: *2007 World Marketing Congress (CD-Rom)*. Academy of Marketing Science (AMS).

- ESPOSITO VINZI, V., TRINCHERA, L. and SQUILLACCIOTTI, S. (2006). PLS Typological Path Modeling: a model-based approach to classification. In: *Knowledge Extraction and Modeling Workshop*. Naples: Tilapia, pp. 87-88.
- TENENHAUS, M., AMATO, S. and ESPOSITO VINZI, V. (2004). A global Goodness-of-Fit index for PLS structural equation modelling. In: *XLII SIS Scientific Meeting*. Padova: CLEUP, pp. 739-742.
- SQUILLACCIOTTI, S., GUINOT, C. and ESPOSITO VINZI, V. (2004). Orthogonal Projection to Latent Structures in Models for L-structured Data. In: *XLII SIS Scientific Meeting*. Padova: CLEUP, pp. 63-66.
- ESPOSITO VINZI, V., SQUILLACCIOTTI, S., AMATO, S. and GUINOT, C. (2004). Stratégie de comparaison de modèles PLS pour l'étude des préférences des consommateurs avec informations externes. In: *8èmes Journées Européennes Agro-Industrie et Méthodes Statistiques*. Rennes: École nationale supérieure agronomique de Rennes (ENSAR), pp. 199-206.
- ESPOSITO VINZI, V. and SCEPI, G. (2003). PLS Path Modelling and Multiple Tables Analysis: an integrated approach for time dependent data. In: *PLS and Related Methods*. Paris: Decisia, pp. 453-463.
- ESPOSITO VINZI, V. and LAURO, C. (2003). PLS Regression and Classification. In: *PLS and related methods, Proceedings of the PLS'03 International Symposium*. Paris: Decisia, pp. 45-56.
- ESPOSITO VINZI, V., LAURO, C. and AMATO, S. (2003). PLS Typological Regression: algorithmic, validation and classification issues. In: *Riunione Scientifica del Gruppo di Classificazione e Analisi dei Dati della SIS*. Bologna: CLUEB, pp. 163-166.
- ESPOSITO VINZI, V., SQUILLACCIOTTI, S., GUINOT, C. and TENENHAUS, M. (2003). PLS-based strategies in consumer preferences and sensory analysis: an application to the cosmetic industry. In: *PLS and Related Methods*. Paris: Decisia, pp. 311-323.
- ESPOSITO VINZI, V., GUINOT, C. and SQUILLACCIOTTI, S. (2003). Two-step PLS Regression for L-Structured Data: an application in the cosmetics industry. In: *Proceedings of the SIS Conference on "Multivariate Statistical Analysis for Social Sciences, Economics, Natural Sciences and Technology*. Naples: RCE Edizioni, pp. 157-169.
- ESPOSITO VINZI, V. and LAURO, C. (2002). Proceedings of the XLI SIS Scientific Meeting and a System for the European Customer Satisfaction. In: *Proceedings of the XLI SIS Scientific Meeting*. Milan: CLEUP, pp. 201-210.
- ESPOSITO VINZI, V., BASTIEN, P. and TENENHAUS, M. (2002). Régression linéaire généralisée PLS. In: *HEC School of Business and Management*. Jouy-en-Josas: HEC.
- ESPOSITO VINZI, V., CHATELIN, Y.M. and TENENHAUS, M. (2002). State-of-art on PLS Path Modeling through the available software. In: *HEC School of Business and Management*. Jouy-en-Josas: HEC.
- ESPOSITO VINZI, V. (2002). The PLS approach to Generalized Linear Models and Casual Path Modeling: Algorithms and Applications. In: *Geoscience and Remote Sensing, Proceedings of the 34th Symposium on the Interface*. Washington DC: Interfaces, pp. 447-447.
- ESPOSITO VINZI, V. and SCEPI, G. (2002). Three-Way Data Analysis and PLS Path Modeling for Estimating Components of a Temporal Process. In: *Atti della XLI Riunione Scientifica SIS*. Milan: CLEUP, pp. 387-390.
- ESPOSITO VINZI, V. and AMATO, S. (2001). Cross validated Q2 bootstrap distribution estimated for the choice of significant components in Partial Least Squared Regression. In: *PLS and Related Methods*. Paris: CISIA, pp. 344-356.

- ESPOSITO VINZI, V. and TENENHAUS, M. (2001). PLS Logistic Regression. In: *PLS and Related Methods*. Paris: CISIA, pp. 117-130.
- ESPOSITO VINZI, V., LAURO, C. and SCEPI, G. (2001). Visualisation and Synthesis of Customer Satisfaction in terms of Symbolic Data Analysis. In: *Processes and Statistical Methods for Evaluation*. Rome: Centro Italiano Studi Ufologici (CISU), pp. 129-136.
- ESPOSITO VINZI, V. and DAVINO, C. (2000). Multivariate Approaches for Aggregate Time Series. In: *International Symposium on Computational Statistics*. Utrecht: Physica-Verlag, pp. 265-270.
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- ESPOSITO VINZI, V. and LAURO, C. (1998). Non Symmetrical Data Analysis: New Methods and Applications. In: *Proceedings of 3rd conference on Statistical Computing of the Asian Regional Section (ARS) of IASC*. Manila: International Association for Statistical Computing (IASC), pp. 433-444.
- ESPOSITO VINZI, V. (1997). A Comparative Non Symmetrical Analysis with Stratified Observations. In: *SIS Conference "Statistics for Enterprises"*. Torino: Tirrenia Stampatori, pp. 343-350.
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- ESPOSITO VINZI, V. and SCEPI, G. (1997). Visualising Quality Control Data by Non Symmetrical Generalised Co-Structure Analysis. In: *Classification Group of the Italian Statistical Society associated with the International Federation of Classification Societies*. Pescara: La Stampa, pp. 53-56.
- ESPOSITO VINZI, V. (1996). Allowing for Structures on Individuals in Principal Component Analysis onto a Reference Subspace. In: *XII biannual Symposium in Computational Statistics*. Barcelona: Universitat Politècnica de Catalunya, pp. 45-46.

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## Conferences

ESPOSITO VINZI, V., TRINCHERA, L. and RUSSOLILLO, G. (2015). Advances in Composite-Based Path Modeling for Synthetic Indicators. In: 10th Scientific Meeting of the Classification and Data Analysis Group.

ESPOSITO VINZI, V., TRINCHERA, L. and RUSSOLILLO, G. (2015). Multidimensional and Non-Metric Extensions of PLS Path Modeling for Synthetic Indicators. In: *Dealing with Complexity in Society: from Plurality of Data to Synthetic Indicators*.

DAVINO, C., DOLCE, P., ESPOSITO VINZI, V. and TARALLI, S. (2015). Quantile Composite-Based Path Modeling for Measuring Equitable and Sustainable Well-Being. In: *Dealing with Complexity in Society: from Plurality of Data to Synthetic Indicators*.

TRINCHERA, L., RUSSOLILLO, G. and ESPOSITO VINZI, V. (2014). Component-based Multi-block Path Modeling for building Composite Indicators. In: *Conference of European Statistics Stakeholders*.

ESPOSITO VINZI, V., TRINCHERA, L. and RUSSOLILLO, G. (2014). Component-based Predictive Path Modeling by means of Projections to Latent Structures: Model Assessment and Interpretation Features with Business-related Applications. In: *ISI Regional Statistics Conference 2014 (ISI-RSC 2014): Statistical Science for a Better Tomorrow*.

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ESPOSITO VINZI, V., DAVINO, C. and DOLLE, P. (2014). Quantile PLSPM vs. Classical PLSPM: Methods, Performances and Interpretations. In: *7th International Conference of the ERCIM WG on Computational and Methodological Statistics*.

TRINCHERA, L. and ESPOSITO VINZI, V. (2013). Component-based Predictive and Exploratory Path Modeling and Multi-block Data Analysis. In: *59th World Statistics Congress of the International Statistical Institute (ISI)*.

ESPOSITO VINZI, V. (2012). Component-Based Approaches to Multi-Block Path Modeling with Business and Industrial Applications. In: *International Symposium on Business and Industrial Statistics 2012 (ISBIS 2012)*.

ESPOSITO VINZI, V. (2012). Component-based Approaches to Structural Equation Models: Methodological Issues and Empirical Performances. In: *International Symposium on Business and Industrial Statistics*.

ESPOSITO VINZI, V. (2012). Knowledge Extraction Through Predictive Path Modeling. In: *20th International Conference on Computational Statistics 2012*.

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TRINCHERA, L., RUSSOLILLO, G. and ESPOSITO VINZI, V. (2011). Multi-component Estimation of PLS Predictive Path Modeling. In: 58th World Statistics Congress of the International Statistical Institute (ISI 2011).

ESPOSITO VINZI, V., TRINCHERA, L., TENENHAUS, A. and TENENHAUS, M. (2011). New Variable Selection Methods in Case of Many Predictors. In: ESSEC-SUPELEC Workshop Series on "PLS Developments" #5.

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TRINCHERA, L., ESPOSITO VINZI, V., TENENHAUS, A. and TENENHAUS, M. (2010). Correlated Component PLS-type Regression with Variable Selection Features for Large Datasets. In: Computing & Statistics (ERCIM'10).

ESPOSITO VINZI, V., JOUFFE, L., RUSSOLILLO, G., TRINCHERA, L. and ZARGOUSH, M. (2010). Integrated Approaches for PLS Path Modeling: PLS Regression Estimation Modes and Probabilistic Networks. In: 10th SENSOMETRICS Meeting.

ESPOSITO VINZI, V. and ZARGOUSH, M. (2010). Knowledge Extraction by Investigating Model Uncertainty through Predictive Path Modeling and Probabilistic Networks. In: Joint Meeting (GfKj-CLADAG'10).

ESPOSITO VINZI, V. (2009). A Joint Partial Least Squares Component-based Approach to Structural Equation Modeling and Multi-block Data Analysis. In: PLS'09 - 6th International Conference on Partial Least Squares and Related Methods.

ESPOSITO VINZI, V., RUSSOLILLO, G. and TRINCHERA, L. (2009). A Joint Use of PLS Regression and PLS Path Modelling for a Data Analysis Approach to Latent Variable Modelling. In: 57th Session of the International Statistical Institute (ISI).

ESPOSITO VINZI, V., RUSSOLILLO, G. and TRINCHERA, L. (2009). A Non Linear Regularized Component-based Approach to Structural Equation Modeling.

ESPOSITO VINZI, V. and DE GIOVANNI, P. (2009). Different Approaches to Structural Equation Modelling in Presence of a Group Structure: Contributions to the Analysis of Environmental Initiatives and Performances of Italian Firms. In: EURISBIS'09 - European Regional Meeting of the International Society for Business and Industrial Statistics.

ESPOSITO VINZI, V. (2009). PLS Path Modeling and PLS Regression: a Joint Partial Least Squares Component-based Approach to Structural Equation Modeling. In: IFCS@GFKL - Classification as a Tool for Research (IFCS 2009).

TRINCHERA, L. and ESPOSITO VINZI, V. (2008). A Comprehensive Partial Least Squares Approach to Component-Based Structural Equation Modeling. In: 32nd Annual Conference of the German Classification Society (GfKI).

ESPOSITO VINZI, V. (2008). A Partial Least Squares Comprehensive Environment: In: 7th International Conference on Social Science Methodology, RC33 - Logic and Methodology in Sociology.

TRINCHERA, L. and ESPOSITO VINZI, V. (2008). Assessing the Performance of REBUS-PLS for Latent Class Identification in PLS Path Modeling: a Simulation Study. In: XLIV Scientific Meeting of the Italian Statistical Society.

ESPOSITO VINZI, V. (2008). Current Issues and Future Challenges in Component-based Structure. In: 7th International Conference on Social Science Methodology, RC33 - Logic and Methodology in Sociology.

ESPOSITO VINZI, V. and TRINCHERA, L. (2008). Formative Indicators in Structural Equation Models and Highly Correlated Latent Variable Scores: a Full PLS-based Approach. In: International Symposium on Business and Industrial Statistics with emphasis on Quantitative Analytics for Banking, Finance and Insurance.

ESPOSITO VINZI, V. and DE GIOVANNI, P. (2008). Recent Developments on Formative Constructs and a Comprehensive Environment for PLS Path Modelling. In: Structural Equation Models, PLS Path Modeling and Multi-block Techniques in Sensory and Consumer Analysis.

ESPOSITO VINZI, V. (2008). The Contribution of PLS Regression to PLS Path Modelling: Formative Measurement Model and Causality Network in the Structural Model. In: Joint Statistical Meetings (JSM) 2008 - American Statistical Association.

ROMANO, R., ESPOSITO VINZI, V. and PALUMBO, F. (2007). Fuzzy PLS Path Modeling for Crisp and Interval Data: A New Tool for Handling Sensory Data.

ESPOSITO VINZI, V., ROMANO, R. and TRINCHERA, L. (2007). Fuzzy PLS Path Modeling for Latent Class Analysis: Capturing Unobserved Heterogeneity in Consumers' Preference.

ESPOSITO VINZI, V., TRINCHERA, L. and ROMANO, R. (2007). Fuzzy PLS Path Modeling for Latent Class Detection.

TRINCHERA, L., ROMANO, R. and ESPOSITO VINZI, V. (2007). Latent Segments Detection in PLS Path Modeling: A Tool to Capture Unobserved Heterogeneity in Customers' Preferences.

ESPOSITO VINZI, V. (2007). PLS (Partial Least Squares) Path Modeling: Methodological Foundations and the XLSTAT-PLSPM Software.

ESPOSITO VINZI, V. (2007). PLS Path Modeling and the PLEASURE (Partial LEAST Squares strUctural Relationships Estimation) Software.

ESPOSITO VINZI, V., FAHMY, T., CHATELIN, Y.M. and TENENHAUS, M. (2007). PLS Path Modeling: Some Recent Methodological Developments, a Software Integrated in XLSTAT and its Application to Customer Satisfaction Studies.

ESPOSITO VINZI, V. and FAHMY, T. (2007). Recent Developments in PLS Path Modeling: Methodological Issues and Applications.

ESPOSITO VINZI, V. (2007). The PLS approach to data exploration and Modeling: An Everlasting Matter of Dispute or a Playground for Integrating Different Cultures?

ESPOSITO VINZI, V., TRINCHERA, L., AMBROISINE, L., SQUILLACCIOTTI, S. and TENENHAUS, M. (2004). Linear and Non-Linear PLS Models for the Prediction of Consumer Preferences using the notion of "Average Judge". In: A Sense of Identity, European Conference on Sensory Science of Food and Beverages. Florence.

ESPOSITO VINZI, V. and PALUMBO, F. (1999). An Index for Selecting Mixed Explanatory Variables in the Analysis of Dependence. In: 52nd Session of the International Statistical Institute. Helsinki.

### Prefaces of a journal

ESPOSITO VINZI, V. (2009). Préface : Special issue on the 6th International Symposium on Business and Industrial Statistics (ISBIS-6)., 4(25), pp. 421-424.

### Working Papers

DAVINO, C., ESPOSITO VINZI, V., SANTACREU VASUT, E. and VRANCEANU, R. (2017). *An Attitude Model of Environmental Action: Evidence from Developing and Developed Countries*. ESSEC Business School.

ESPOSITO VINZI, V., RINGLE, C.M., SQUILLACCIOTTI, S. and TRINCHERA, L. (2007). *Capturing and Treating Unobserved Heterogeneity by Response Based Segmentation in PLS Path Modeling. A Comparison of Alternative Methods by Computational Experiments*. ESSEC Business School.

### Press

ESPOSITO VINZI, V. 2024. « *L'ESSEC doit permettre à ses élèves de se former et de se transformer* ». January.

ESPOSITO VINZI, V. and GASPAR, J.M. (2016). « Je suis un chercheur ; je ne suis pas capable de parler de tout et n'importe quoi. ». *Monde des Grandes Écoles Universités Le Magazine*.

## OTHER RESEARCH ACTIVITIES

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### Editorial Board Membership

- 2011 - 2013 Statistical Methods and Applications
- 2009 - 2017 Advances in Data Analysis and Classification
- 2009 Applied Stochastic Models in Business and Industry
- 2007 - 2017 Computational Statistics
- 2007 - 2017 Computational Statistics and Data Analysis
- 2007 - 2009 La Revue de MODULAD

### Organisation of a conference

- 2014 Co-Chair (with G. Saporta) of the 8th International Conference on PLS and Related Methods, France
- 2010 Member of the National Organizing Committee for the 19th COMPSTAT (Computational Statistics) Symposium organized by the IASC (International Association for Statistical Computing) in Paris, France
- 2010 Organiser of the Fourth Workshop in the ESSEC-SUPELEC Research Workshop Series on "PLS Developments": PLS and Related Methods for cutting-edge Research in Experimental Sciences: Methodological Advances, France
- 2009 Organizer of an invited paper meeting on "Capturing Unobserved Heterogeneity in Latent Variable Modelling" at the 57th Session of the International Statistical Institute, South Africa

- 2009 Organiser of the Third Workshop in the ESSEC-HEC Research Workshop Series on "PLS Developments": PLS Path Modeling and other Component-based Approaches to Causal Networks and Multi-block Data Structures: Methodological Contributions and Applications with a focus on Marketing and the Management of Information Systems, France
- 2008 Organiser of an Invited Paper Meeting session at COMPSTAT 2008 (Porto) on the theme: "Models for Latent Class Detection"., Portugal
- 2008 Organiser of the Second Workshop in the ESSEC-HEC Research Workshop Series on "PLS Developments": Structural Equation Models, PLS Path Modeling and Multi-block Techniques in Sensory and Consumer Analysis -Methods, Applications and Software", France
- 2008 Organiser of an Invited Paper Meeting session at GfKI 2008 on the theme: "PLS Path Modeling".
- 2007 Organizer and Chair of a specialized topic meeting at the 56th Session of the ISI on the theme of "Latent Class Analysis and Classification Issues" (Lisbon), Portugal
- 2007 Organiser of the First Workshop in the ESSEC-HEC Research Workshop Series on "PLS Developments": PLS Path Modeling in presence of a Group Structure: Multi-Group Analysis and Latent Class Detection - Methods, Applications and Software", France
- 2006 Member of the Organising Committee for COMPSTAT'06 - 17th Symposium of IASC on Computational Statistics (Rome, August 2006), Italy
- 2006 Member of the Organising Committee for the IFCS'06 Conference: Data Science and Classification (Ljubljana, Slovenia, 25-29 July 2006)., Slovenia
- 2005 Co-organiser (with C. Lauro) of the PLS track sessions for the 3rd World Conference of IASC on the theme of: Computational Statistics and Data Analysis (Cyprus, October 2005), Cyprus
- 2005 Organiser of an Invited Paper Meeting on: "The PLS (Partial Least Squares) Approach in Data Analysis: new methods with validation and computational issues" for ISI'05 Conference (Sydney, April 2005)., Australia
- 2005 Co-organiser (with C. Lauro) of two Specialised Sessions on: "PLS Path Modeling, PLS Regression and Classification: New Methods and Applications" for the GfKI'05 Meeting of the Gesellschaft für Klassifikation, Germany
- 2004 Organiser and Chairman of the Workshop on: "PLS Methods for Sensory Analysis" at the "European Conference on Sensory Science of Food and Beverages" (Florence, September 2004)., Italy
- 2004 Organiser and chairman of an invited session on the theme: "PLS Tools for Regression and Structural Modelling of Complex High Dimensional Data" at the COMPSTAT'04 Conference (Prague, August 2004)., Czechia
- 2004 Organiser and chairman of an IASC Invited Session at the IFCS'04 (International Federation of Classification Societies) Conference, United States of America
- 2003 Organisateur d'une "invited session" spécialisée sur le thème "PLS Structural Equation Modelling and Customer Satisfaction: Recent Advances in Methods and Applications" at the 13th International Meeting of the Psychometric Society (IMPS203) and 68th Annual American Meeting of the Psychometric Society (Chia Laguna), Italy

- 2003 National Organising Committee Member for the Intermediate SIS Conference on the theme: "Multivariate Statistical Analysis for Social Sciences, Economics, Natural Sciences and Technology", Italy
- 2001 Co-organiser (with Carlo Lauro, Michel Tenenhaus and Alain Morineau) and Scientific Secretary of the 2nd International Symposium on PLS and Related Methods (Anacapri, 1-3 October 2001)., Italy
- 2001 Chief organiser (with S. Balbi) of the International Summer School of IASC (International Association for Statistical Computing) on the theme:"Knowledge Discovery & Large Surveys Design and Analysis" (Anacapri, 20-30 June 2001)., Italy

### Affiliations

- 2013 - 2015 Vice-President of the International Society of Business and Industrial Statistics (ISBIS), a section of the International Statistical Institute (ISI)
- 2009 - 2013 Elected Council Member of the International Statistical Institute (ISI)
- 2003 - 2007 Chairman-elect of the European Board of Directors of the International Association for Statistical Computing (IASC), a section of the International Statistical Institute (ISI)
- Since 2002 Member of the Research Academy "Center for the Analysis of Complex Data" of the BeiHang University of Beijing
- Since 2007 Member of AMS (The Academy of Marketing Science)
- Since 2006 Member of ISBIS (The International Society for Business and Industrial Statistics)
- Since 2002 Member of SFDS (Société Française de Statistique) et SFC (Société Française de Classification)
- Since 2000 ISI (International Statistical Institute) - Elected Member
- Since 2000 Member of CSNA (The Classification Society of North America)
- Since 2000 Member of ENBIS (European Network for Business and Industrial Statistics)
- Since 1998 Member of ASA (American Statistical Association)
- Since 1998 Member of CLADAG - SIS Group of the IFCS (International Federation of Classification Societies)
- Since 1996 Member of SIS (Italian Statistical Society)
- Since 1993 Member of IASC (International Association for Statistical Computing)

### PhD Supervision

- 2016 Anatoli COLICEV (ESSEC Business School), Thesis co-director, First Placement: Assistant Professor - Universita Bocconi Marketing dpt
- 2014 Abdolmanaf ZARGOUSH (ESSEC Business School), Thesis director, First Placement: Assistant professor of Health Policy and Management - McMaster University.
- 2010 Guy ASSAKER (ESSEC Business School), Thesis director, First Placement: Associate Professor - Lebanese American University

- 2010 Pietro DE GIOVANNI (ESSEC Business School), Thesis jury member
- 2009 Gaston SANCHEZ TRUJILLO (Universitat Politècnica de Catalunya), Thesis referee
- 2008 Laura TRINCHERA (Università di Napoli Federico II), Thesis director
- 2007 Emmanuel JAKOBOWICZ (Conservatoire National des Arts & Métiers (CNAM)), Thesis referee

#### Other research activities

- 2011 Chair of the Jury for the ISI Mahalanobis Award given at the ISI World Statistics Congress (Dublin)
- 2001 - 2003 Member of the national research unit of the EUROSTAT Project "VITAMIN-S" (2001-2003) for the development of a Visual Data Mining System
- 2001 - 2003 Member of the national research unit of the EUROSTAT Project "ASSO" (2001-2003) for the development of an Analysis System of Symbolic Official Data
- 2001 - 2003 Member of the national research unit of the EUROSTAT Project "ERMIS" (2001-2003) aimed at Electronic Commerce Measuring with Intelligent Agency
- 2001 - 2004 Scientific responsible for the national research unit of the EUROSTAT Project "European Satisfaction Index System - ESIS" for the methodological development, implementation and use of PLS Path Modeling in the domain of Customer Satisfaction Measurement (2001-2004)
- 1998 - 2000 Manager of the national research unit of the ESPRIT European Project "System for Automatic Seasonal Adjustment and Forecasting of Time Series - TESS"
- 1998 - 2000 Member of the national research unit of the ESPRIT European Project "ISO-3D" (1998-2000) for the methodological development and the implementation of a system aimed at the interpretation of symbolic objects in 3D representations
- 2013 Member of the Scientific Program Committee of the European Conference on Data Analysis jointly organized by the German Classification Society (GfKl), Luxembourg
- 2010 Member of the Scientific Program Committee of the ERCIM'10 (3rd International Conference on Computing & Statistics (Senate House in London, 10-12 December 2010)., United Kingdom
- 2009 Co-Chair of the Scientific Program Committee of the 6th International Symposium on PLS and Related Methods (PLS'09, Beijing), China
- 2009 Co-Chair of the Scientific Program Committee of the ISBIS (International Society for Business and Industrial Statistics) Regional Meeting 2009 on Quantitative Methods for Banking and Finance, Environment, Services for SMEs, Transport and Tourism (Cagliari, Italy, 30 May - 3 June 2009), Italy
- 2008 Member of the International Scientific Committee for IASC 2008 - Joint Meeting of the 4th World Conference of the IASC and 6th Conference of the Asian Regional Section of the IASC on Computational Statistics & Data Analysis (Yokohama, 5-8 December 2008)., Japan
- 2008 Consultative Member of the Scientific Programme Committee for the 18th Association for Statistical Computing (IASC, Porto, 24-29 August 2008), Portugal

- 2008 Member of the Scientific Program Committee for GfKI 2008 - 32nd Annual Conference of the German Classification Society on "Advances in Data Analysis, Data Handling, and Business Intelligence", Germany
- 2008 Member of the Scientific Program Committee for the HDM-2008, International Conference on Multivariate Statistical Modeling and High Dimensional Data Mining (Kayseri (Caesarea), Turkey, 19-23 June 2008)., Turkey
- 2008 Member of the Scientific Program Committee for the CLADAG 2008, Joint Scientific Meeting of the Classification and Data Analysis Group of the Italian Statistical Society and Société Francophone de Classification (Capua (CE)), Italy
- 2007 Member of the International Scientific Committee for PLS'07, 5th International Symposium on PLS and Related Methods - Causalities explored by indirect observations (Oslo, September 2007)., Finland
- 2007 Membre du comité scientifique : CLADAG School sur le thème "Multivariate Statistical Methods for the Analysis of Clustered Data" (Bologne), Italy
- 2007 Chair of the IASC (International Association for Statistical Computing) Programme Committee for the 56th ISI (International Statistical Institute) Conference, Portugal
- 2006 Co-Chairman of the Steering and Organising Committees for the IASC-INTERFACE-IFCS International Workshop on "Knowledge Extraction and Modeling" - KNEMO'06, Italy
- 2005 Member of the Steering Committee for PLS'05, 4th International Symposium on PLS and Related Methods - Focus on Marketing, Spain
- 2005 Member of the Programme Committee for the scientific sessions organised by IASC at the 55th ISI, Australia
- 2004 Scientific Programme Committee Member of the SAS Campus 2004 Conference (Florence, May 2004). Programme Committee Member for the, United States of America
- 2003 Co-chairman of the Third International Symposium on PLS and Related Methods - Focus on Customers (PLS'03, Lisbon, 15-17 September 2003)., Portugal
- 2003 Programme Committee Member for the organisation of the IASC-IFCS Summer School on the theme: "Data Mining and Classification for Business and Industry: methods, computational issues and applications", Portugal
- 1998 Scientific Secretary of the "III International Conference on New Techniques and Technologies for Statistics" jointly organised by EUROSTAT, the Department of Mathematics and Statistics of the University of Naples and ISTAT (Italian National Statistical Institute) - (Sorrento, November 4th-6th), Italy
- 1997 Member of the National and Organising Committee and Scientific Secretary of the "VIII International Symposium on Applied Stochastic Models and Data Analysis" (Anacapri, June 11th-14th, 1997)., Italy

## TEACHING EXPERIENCE

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- 2015 "Composite-based Path Modeling for Multi-Bock Data Analysis", Research Seminar,
- 2014 "Component-based Path Modeling", Tutorial for specialized audience at the 7th

2012 "PLS Path Modeling and PLS Regression", Pre-Conference PLS 2012 Doctoral

2012 "A 3-day Course on PLS Path Modeling: Basic Concepts and Foundations,

2011 "PLS Predictive Path Models with applications to Customer Satisfaction

2011 "Statistical Soft Modeling for Measuring Customer Satisfaction via Composite

2010 "PLS Path Modeling with XLSTAT-PLSPM", Pre-Conference Sensometrics'10

2009 "A 3-day Course on PLS Path Modeling: Basic Concepts and Foundations,

2009 "A Joint Partial Least Squares Component-based Approach to Structural Equation

2009 "PLS Path Modeling: A Comprehensive Course", Lillehammer University College,

2009 "PLS Path Modeling: Methodological Foundations, Recent Developments and

2009 "PLS Path Modeling for Consumer Analysis: estimation algorithm, assessment tools

2009 "The PLS Path Modeling approach to Structural Equation Modeling: Methodological

2009 "A Comprehensive PLS-based Environment to Structural Equation Modeling",

2009 "Component-based Structural Equation Models: the PLS Path Modelling Approach",

2008 "Factor Analysis and Classification" – Training course for the EUROSTAT (Statistical

2008 "Regression and Analysis of Variance" – Training course for the EUROSTAT

2008 "A Comprehensive PLS Environment to Structural Equation Modeling", Università di

2008 "Detection and Assessment of Local Models in PLS Path Modeling", Università di

2008 "Model assessment and multi-group comparison in PLS Path Modeling:

2008 "Local Model in Component-based SEM" – Journées d'Etudes en Statistique (JES)

2008 "Component-based Structural Equation Models" – Journées d'Etudes en Statistique

2008 "Introduction to Categorical Data Analysis: Chi-square test of independence for

2008 "Statistical Modelling for Measuring Customer Satisfaction", Università degli Studi di

2008 "Path Analysis, Confirmatory Factor Analysis and Structural Equation Modelling",

2007 "PLS (Partial Least Squares) Path Modeling" – 11th Course in the ECAS (European

2007 "PLS Path Modeling for Causal Networks: Recent Contributions with Applications to

2007 "Recent Contributions to PLS (Partial Least Squares) Regression and Path Modeling

2005 "The Classical (ML) and the Partial Least Squares Approaches to Study Causality

2005 "The Classical Approach (SEM-ML) to the Study of Causality by Modeling Structural

2005 "The PLS approach to the analysis of latent variables: regression techniques (PLS1,

2004 Use of PLS Graph for the European Customer Satisfaction Index – PLS Summer

2004	PLS Model Evaluation and Comparisons with LISREL – PLS Summer School,
2004	A Modeling Approach for measuring Customer Satisfaction – Statistics course at
2003	PLS (Partial Least Squares) Path Modeling: Methodological Innovations, the use of
2003	Latent Variables Soft Modeling (PLS) – series of lectures at the IASC-IFCS Joint
2003	PLS (Partial Least Squares) methods: from regression to structural equations
2003	The LISREL and the PLS approach to Structural Equation Modeling – series of
2001	“PLS Methods: from regression to structural equation models” – course for the
2001	LISREL and PLS Path Modeling – series of lectures at the IASC-IASS Joint
2001	Explanatory Analyses – module of the course on Multidimensional Data Analysis for
2000	The analysis of complex systems in Epidemiology and Biomedicine – course in the
2000	Analysts of Scenarios on International Markets (post-graduate course). Statistics
1999	Multivariate Statistical Analyses for Total Quality Measurement – series of lectures
1998	Experts of Tourism Marketing (post-graduate course). Statistics module, Università
1998	Experts of Typical Food Products Marketing (post-graduate course). Statistics
1997	Statistics for Business and Management - course at the Master in Economy and
1997	Experts in Quality Management for Small Enterprises (post-graduate course).
1997	Market Analysts: Methodologies and Experiences supporting Small Enterprises

## PROFESSIONAL ACTIVITIES

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### Consulting

2011	CATALYZ Research, Paris, France
2011	L'OREAL Recherche, Chevilly-La-Rue, France
2010	Bio Springer (The World of Yeast Products), France
2010	STREAM LINE, Paris, France
2009	GPF - Allaxia SpA (Market Research Company), Milan, Italie
2009	TERRITOIRES SITES & CITES, Paris, France
2009 - 2011	CIRAD (Centre de coopération internationale en recherche agronomique pour le développement), France
2008 - 2010	EUROSTAT (Statistical Office of the European Commission), Luxembourg
2008	INRETS (Institut National de Recherche sur les Transports et leur Sécurité), France
2007 - Present	ALTADIS, Fleury-Les-Aubrais, France
2005	Administration of the Lombardia Region (Milan, Italy)

- 2004 AACST, Office of Tourism of the Island of Capri and the Province of Naples
- 2001 - Present ADDINSOFT, Statistical Software Company, Paris, France
- 1997 - 2000 CCIAA (Chamber of Commerce, Industry, Arts and Handicraft of Naples, Italy)
- 1997 - 2000 ASSEFOR (Association of the Chambers of Commerce for the training and assistance to the small and medium enterprises, Italy)
- 1997 - 2000 CESVITEC (Center for the Promotion and the Technological Development of Small and Medium Enterprises in Southern Italy, Naples, Italy)