

PERSONAL INFORMATION

Name: Maria (Rosaria) Ferrante

Date and place of Birth: 7th April 1967, Penne PE, (Italy)

Married, mother of Luca (25th December 2006)

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CURRENT POSITION

Full Professor, STAT-02/A - Economic Statistics, Department of Statistical Sciences, University of Bologna, Italy.

PREVIOUS POSITIONS

- November 2001 - November 2011: Associate professor of Economic Statistics, Department of Statistical Sciences, University of Bologna.
- November 1998 - October 2001: Associate professor of Economic Statistics, Department of Statistics and Economics, University of Calabria.
- February 1993 - October 1998: Assistant professor, Department of Statistical Sciences, University of Bologna.

EDUCATION

- July 1991: University degree in Statistical and Economic Sciences, University of Bologna.
- October 1995: PhD in Statistics, Department of Statistical Sciences, University of Bologna, doctoral dissertation: “Dealing with attrition in the Bank of Italy survey on Income and Wealth”, supervisor: prof. C. Filippucci.

MAIN RESEARCH INTERESTS

- Small area estimation of poverty and inequality parameters.
- Territorial disparities in life satisfaction.
- Estimation of firms’ economic aggregates and indicators in small domains.
- Estimation of the impact of the firms’ choices on productivity through decomposition methods.
- Analysis of firms’ internationalization choices and fragmentation.

OVERALL CITATIONS

Google Scholar: 77 publications with 332 citations; h-index: 11.

INTERNATIONAL AND NATIONAL RESEARCH PROJECTS

- 2022-2025 GRINS project, Growing Resilient, Inclusive and Sustainable (PNRR, PE9). Scientific Coordinator Prof. M. Cervellati.
- 2021 – Scientific coordinator of the research Project on “Estimation of At-Risk of Poverty Rate or Social Exclusion”, Emilia-Romagna Region.
- 2019 – 2022: PEN - Effectiveness of existing policies for lifestyle interventions, Policy Evaluation Network, Joint Programming Initiative “Healthy Diet for a Healthy Life”, <https://www.jpi-pen.eu/> (2019- 2022). Task membership: “Task 3.1: Experimental and quasi-experimental methods to estimate policy impacts”
- 2011-2014: Scientific coordinator of the Research project on “Estimation of poverty indicators for regions and household typology through small area estimation models” - Emilia-Romagna Region.
- 2010 - 2013: Member of the European Research Project, Seventh Framework programme: “Blue-Enterprise and Trade Statistics (BLUE-ETS)”. Theme 8, Socio-economic Sciences and Humanities (SSH).
- 2006–2008: Scientific coordinator of the Research project on “Estimation of poverty regional parameters” - Emilia-Romagna Region.
- 1999-2000: Coordinator of the research unit of Cosenza (University of Calabria) in the national research project (COFIN-MURST), “Using administrative data in the small area estimation”. National coordinator: prof. Carlo Filippucci (University of Bologna).

ACADEMIC MEMBERSHIP

- 2024 – at present: Department of Statistical Sciences delegate for the ADIR – L’Altro Diritto - Interuniversity Research Center on Prison, Deviance, Marginality, and Migration Governance.
- 2024 – at present: Appointed as a member of the Board of Directors of the Fundación Observatorio PyME (FOP) - Vice-Rectorship for International Relations. University of Bologna.
- 2024-2026: Coordinator elect of Sample survey methods - S2G, the Survey research section of the Italian Statistical Society
- 2022-2024: Vice-Coordinator elect of Sample survey methods - S2G, the Survey research section of the Italian Statistical Society
- 2021 – 2024: Member of the National Committee for the National Scientific Qualification (ASN) of Full and Associate professor candidates.
- 2017 – 2020: “Expert of system” for Quality Assurance on AVA-ANVUR, Italian University.
- 2016 - at present: Member of the board of the PhD in Statistical Sciences, University of Bologna.
- 2013 – 2019: Chair of the Quality Assurance Board of the University of Bologna.
- 2012 - 2015: Delegate for the didactic activities by the Director of the Department of Statistical Sciences, University of Bologna
- 2014 - 2019: Department of Statistical Sciences delegate for the *Polo Penitenziario* project - agreement between Italian Ministry of Justice and University of Bologna to promote and support undergraduate studies among incarcerated people.
- 2011 to present: Member of the Permanent Working Group of the Italian Statistical Society "Survey Sampling Methodologies"

- 2010-2013: Member of the Quality Assurance Board of the University of Bologna.
- 2012-2015: President of the Teaching Commission, School of Economics, Management and Statistics, University of Bologna.
- 2007 - 2012: President of the Faculty Teaching Commission, Faculty of Economics, University of Bologna, Forlì.
- 2003-2010: Member of the Scientific Board of the Master in City Management, Faculty of Economics (Forlì)

TEACHING 2021/2022

Income, Poverty and Inequality Measurement (Two year Master in Statistics, Economics and Business)

Economic Statistics (Bachelor in Statistical Sciences)

Business Statistics (Bachelor in Business Administration)

VISITING

- April - July 1993: Visiting student at the Survey Research Centre, Institute of Social Research, University of Michigan, Ann Arbor, Michigan, USA.
- 1998: Research and teaching in the “The TACIS strengthening the labor market and training policy project in Uzbekistan”, Tashkent, Uzbekistan.

SELECTED PUBLICATIONS

Orcid of Maria Ferrante: <https://orcid.org/0000-0001-9813-2420>

Research ranking on VRA UNIBO (University OF Bologna, Research Evaluation) 2019 (the last available): top 25%

Mori, L., Ferrante, M. R. (2024). Small area estimation under unit-level generalized additive models for location, scale and shape. **JOURNAL OF SURVEY STATISTICS AND METHODOLOGY**, forthcoming.

Calia, P.P., Ferrante, M.R. (2024). Multidimensional Quantitative Indicators. In: Jodhka, S.S., Rehbein, B. (eds) **GLOBAL HANDBOOK OF INEQUALITY**. Springer, Cham. https://doi.org/10.1007/978-3-030-97417-6_71-2

Gallo, A., Pacei, S. & Ferrante, M.R. (2024), A Composite Inter-Temporal Economic Insecurity Index, **SOCIAL INDICATORS RESEARCH**, <https://doi.org/10.1007/s11205-024-03356-1>

Ferrante, M.R., Pacei, S. (2024). Data Sources for the Study of Economic Inequality. In: Jodhka, S.S., Rehbein, B. (eds) **GLOBAL HANDBOOK OF INEQUALITY**. Springer, Cham. https://doi.org/10.1007/978-3-030-97417-6_72-2

De Nicolò, S., Ferrante, M.R., Pacei, S. (2024). Small area estimation of inequality measures using mixtures of Beta, **JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES A: Statistics in Society**, 187 (1), pp. 83 - 107.

- De Nicolò, S., Ferrante, M.R., Pacei, S.(2024). Small-sample bias correction of inequality estimators in complex surveys, **JOURNAL OF OFFICIAL STATISTICS**, 40, pp. 238 - 261.
- De Nicolò S., Ferrante M.R., Pacei S., Small area estimation of inequality measures via Simplex regression, in: **Book of Short Papers SIS 2021, Pearson, 2021**, eds. Editors: Perna C., Salvati N., Schirripa Spagnolo F., pp. 1051 – 1056.
- Fabrizi E., Ferrante M. R., Trivisano C. (2020), A functional approach to small area estimation of the relative median poverty gap, **JOURNAL OF THE ROYAL STATISTICAL SOCIETY – SERIES A**, 183, 3, pp. 1273-1291.
- Ferrante M. R., and S. Pacei (2019), Small Area Estimation of Entropy Inequality Measures: a Comparison Between Alternative Distribution Models. In JSM Proceedings, **AMERICAN STATISTICAL ASSOCIATION, SURVEY RESEARCH METHODS SECTION**. Alexandria, pp. 1642-1651.
- Ferrante M.R., Freo M. (2019), Detecting learning-by-exporting effects on firms' productivity distribution by accounting for heterogeneous macrofactors and panel attrition, **WORLD ECONOMY**, 42, 9, pp. 2745-2773.
- Fabrizi E., Ferrante M. R., Trivisano C. (2018), Bayesian small area estimation methods for business survey statistics, **JOURNAL OF THE ROYAL STATISTICAL SOCIETY – SERIES C**, 67, pp. 861 - 879.
- Ferrante M.R., S. Pacei (2017), Small domain estimation of business statistics using multivariate skew normal models, **JOURNAL OF THE ROYAL STATISTICAL SOCIETY – SERIES A**, 180, pp.1057-1088.
- Antonietti R., Ferrante M. R., Leoncini R. (2016), Local market size, social capital and outsourcing: evidence from Emilia Romagna, **SMALL BUSINESS ECONOMICS**, 47, 1, pp. 243-260.
- Ferrante M. R., Freo M., Viviani A. (2016), Learning-by-Exporting and Productivity: Evidences from a Panel of Manufacturing Firms, in **TOPICS IN THEORETICAL AND APPLIED STATISTICS, Alleva G., Andrea G. (Eds.) Springer International Publishing Switzerland**.
- Fabrizi E., Ferrante M. R., Trivisano C. (2016), Hierarchical Beta regression models for the estimation of poverty and inequality parameters in small areas. In: **ANALYSIS OF POVERTY DATA BY SMALL AREA METHODS. Pratesi, M. (Ed.), John Wiley & Sons**, pp. 299-314.
- Antonietti R., Ferrante M.R., Leoncini R. (2015), Infrastructure Endowment, Social Capital and Outsourcing: Evidence from Emilia Romagna, Italy, in **INNOVATION AND ENTREPRENEURSHIP IN THE GLOBAL ECONOMY: KNOWLEDGE, TECHNOLOGY AND INTERNATIONALIZATION, C. Karlsson, U. Grasjo and S. Wixe (Eds.), Edward Elgar**, pp. 310-330.
- Fabrizi E., M.R. Ferrante, S. Pacei (2014), A Micro-Econometric Analysis of the Antipoverty Effect of Social Cash Transfers in Italy, **REVIEW OF INCOME AND WEALTH**, 60, pp. 323 – 348.
- Antonietti R., Ferrante M.R., Leoncini R. (2014), Spatial Agglomeration, Production Technology and the Choice to Make and/or Buy: Empirical Evidence from the Emilia Romagna Machine Tool Industry, **REGIONAL STUDIES**, 2014, 48, pp. 1 – 284.
- Calia P., Ferrante M.R. (2013), How do firms combine different internationalisation modes? A multivariate probit approach, **REVIEW OF WORLD ECONOMICS**, 149, pp. 663 – 696.
- Ferrante M.R., Novelli M. (2013), Heterogeneity and Number of Export Destinations of Italian Firms: A Hurdle Negative Binomial Regression Approach, **GLOBAL ECONOMY JOURNAL**, 13, pp. 391 - 416

- Ferrante M.R., Freo M. (2012), The Total Factor Productivity Gap between Internationalised and Domestic Firms: Net Premium or Heterogeneity Effect? «**WORLD ECONOMY**», 35 (9), pp. 1186 - 1214.
- Fabrizi E., Ferrante M.R., Pacei S., Trivisano C. (2011), Hierarchical Bayes multivariate estimation of poverty rates based on increasing thresholds for small domains, «**COMPUTATIONAL STATISTICS & DATA ANALYSIS**», 55, pp. 1736 - 1747
- Ferrante M.R., Trivisano C. (2010), Small area estimation of the number of firms' recruits by using multivariate models for count data, «**SURVEY METHODOLOGY**», 36, 2, pp. 171 - 180
- Fabrizi E., M. R. Ferrante, S. Pacei (2008), *Measuring Sub-National Income Poverty by using a Small Area Multivariate approach*, «**REVIEW OF INCOME AND WEALTH**», 54, 4, pp. 597 - 615
- Calia P., M.R. Ferrante (2008), *A multivariate framework to explore firms' internationalization patterns: the role of individual heterogeneity*, «**STATISTICA**», anno LXVIII n.1, pp. 31-55.
- Ceccarelli C., E. Fabrizi, M.R. Ferrante, S. Pacei ” (2008), *Estimation of Poverty Rates for the Italian Population classified by Household Type and Administrative Region*, “**RIVISTA DI STATISTICA UFFICIALE**”, 1, pp. 59 – 73.
- Fabrizi E., M. R. Ferrante, S. Pacei (2007), *Small Area Estimation of Average Household Income based on Unit Level Models for Panel Data*, «**SURVEY METHODOLOGY**», 33, 2, pp. 187-198
- Fabrizi E., M.R. Ferrante, S. Pacei (2007), *Comparing alternative distributional assumptions in mixed models used for small area estimation of income parameter*, “**STATISTICS IN TRANSITION**”, 8, 3, pp. 423 - 439
- Fabrizi E., M.R. Ferrante, S. Pacei (2007), *A comparison of Adjusted Bayes Estimators of an Ensemble of Small Area Parameters*, **Research Series, University of Bergamo, DMSIA**, pp. 1-22.
- Ferrante M. R. (2006), *La domanda di lavoro prevista dalle imprese medio-grandi nei distretti industriali dell'Emilia Romagna e della Toscana*, “**SVILUPPO LOCALE**”, 28, XII, pp. 67-92.
- Fabrizi E., M. Ferrante, S. Pacei (2005), *Estimation of poverty indicators at sub-national level using multivariate small area models*, “**STATISTICS IN TRANSITION**”, 7, 3, pp. 587-608.
- Ferrante M.R., S. Pacei (2004), *Small Area Estimation for Longitudinal Surveys*, «**STATISTICAL METHODS & APPLICATIONS**», 13, pp. 327-340
- Ferrante M.R., C. Filippucci (1997), Individual Diaries and Expense Documents in the Italian Consumer Expenditure Survey, «**JOURNAL OF OFFICIAL STATISTICS**», 13, 2, pp. 113-121.
- Ferrante M.R., Ferreri C. (1997), *A Bootstrap-type Procedure for an Underdispersion Analysis*, “**STATISTICA**”, 2, pp. 199-210, 1997.
- Ferrante M.R., Ferreri C. (1996), *Pseudo-jackknife estimators for a hyperbinomial process*, “**STATISTICA**”, 2, pp. 175-187, 1996.
- Ferrante M.R. (1996), *Dealing with Non-ignorable Attrition: a Review*, “**STATISTICA APPLICATA**”, 8, 4, pp. 661-669.

PAPER PRESENTATIONS AND INVITED DISCUSSIONS (since 2004)

- **Invited session** at the International Conference on Establishment Statistics (ICES VII), American Statistical Association, Small area estimation of business parameters for skewed data, (June, 14-18, 2024). Caledonian University, Glasgow, Scotland (UK), (joint work with Mori L.)

- Contributed session at the International Work- shop on Statistical Modelling (IWMS-2024), Addressing Covariate Lack in Unit-Level Small Area Models Using GAMLSS, July, 14-19, 2024, Durham University, Durham, England (UK), (joint work with Mori L.)
- **Invited Session** at the XLIX AISRe Conference 2023, Università degli Studi di Napoli Parthenope (Italy), September 2023. Mapping income inequality trends between spatial and socio-demographic disparities (joint work with Ferrante, M.R.).
- Contributed session at the SIS2023 - 52st Scientific Meeting of the Italian Statistical Society, On the gap between emitted and absorbed carbon dioxide. Are trees enough to save us? June, 23-25, 2022, University of Ancona, Ancona, Italy, (joint work with Mori L.)
- **Invited session** at the 16th International Conference of the ERCIM WG on Computational and Methodological Statistics, CMStatistics 2023, Small area estimation of economic indicators under unit-level generalized additive models for location, scale and shape (December, 16-18, 2023). HTW Berlin, University of Applied Sciences, Berlin, Germany, (joint work with Mori L.)
- Contributed session at the SIS2022 - 51st Scientific Meeting of the Italian Statistical Society, Small area models for skew and kurtotic variables. June, 22-24, 2022, University of Campania L. Vanvitelli, Caserta, Italy (joint work with Mori L.)
- Contributed session at the SAE 2022 - Small Area Estimation, Surveys and Data Science, Unit level small area estimation: modelling distribution's location, scale and shape. May 23-27, 2022, University of Maryland-College Park, Maryland, USA, (joint work with Mori L.)
- Contributed Session at the the 9th Meeting of the ECINEQ Society, online, July 2021. Mind the Income Gap: the Estimation of Inequality Indexes in Small Samples (joint work with De Nicolò S., and Pacei, S.)
- Contributed Session at the SIS 2021: 50th Scientific Meeting of the Italian Statistical Society, online, June 2021. Small Area Estimation of Inequality Measures via Simplex Regression (joint work with De Nicolò S., and Pacei, S.)
- **Invited session** at the XLII AISRe Web Conference 2021, AISRe and Joint Research Center (EU Commission), September 2021. Small Area Estimation of Inequality Measures (joint work with De Nicolò S. and Pacei, S.)
- Contributed Seminar at the Ninth Meeting of the ECINEQ Society, London School of Economics, London (UK), July 2021. Mind the Income Gap: the Estimation of Inequality Indexes in Small Samples (joint work with De Nicolò S. and Pacei, S.) <https://ecineq2021.org/sessions/e5-estimation-methods-ii>
- Bernini C., Emili S., Ferrante M.R. (2019), Statistical Matching of HBS and ADL to analyse living conditions, poverty and happiness, Book of Short Papers, Proceedings of the Italian Statistical Association Conference, pp. 71-78, **Specialized Invited Session.**
- Ferrante M.R., Pacei S. (2019), Mapping sub-regional entropy inequality: small area estimation under skewed distributions, Conference of the Regional Science Association International, L'Aquila, September 16-18, 2019, **Invited Session.**
- Ferrante M.R., Pacei S. (2019), Small area estimation of entropy inequality measures, 6th ITALIAN CONFERENCE on Survey Methodology – ITACOSM 2019, Florence, 5-7 June 2019, **Specialized Invited Session.**
- Ferrante M.R., Pacei S. (2018), Small area estimation of inequality measures under alternative distribution models, 11th International Conference of the ERCIM WG on Computational and

Methodological Statistics (CMStatistics 2018), Pisa, Italy, 14-16 December 2018, **Organized Invited Session**.

- Ferrante M.R., C. Trivisano, E. Fabrizi (2017), *Small area estimation of the relative median poverty gap*, Small Area Estimation Conference, Paris, July 10–13, **Invited Session**.
- Ferrante M.R., C. Trivisano, E. Fabrizi (2016), *Small area estimation of the relative median poverty gap*, Conference of European Statistics Stakeholders, Budapest, 20–21 October 2016.
- Ferrante M.R., C. Trivisano, E. Fabrizi (2015), *Bayesian small area estimation methods for business survey statistics*, in: Proceedings of the 60th World Statistics Congress of the International Statistical Institute, **Invited Session**, ISI2015, 2016, pp. 86 - 91, Rio De Janeiro, Brazil, 26–31 July 2015.
- Ferrante M.R., M. Freo, *New Challenges in Detecting Learning by Exporting Effects on Firms' Productivity Distribution* (2014), Conference of European Statistics Stakeholders, November 24-25, 2014 - Rome (Italy), Sapienza University Book of Abstracts, p. 150.
- Fabrizi E., M. R. Ferrante, C. Trivisano, *Estimating Equivalised Income Inequality within Small Areas*, Conference of European Statistics Stakeholders November 24-25, 2014 - Rome (Italy), Sapienza University, Book of Abstracts, p. 132.
- Ferrante M.R., S. Pacei (2014), *Improving business statistics for small domains*, **Invited Session**, Conference of European Statistics Stakeholders November 24-25, 2014 - Rome (Italy), Sapienza University, Book of Abstracts, p. 30.
- Fabrizi E., M. R. Ferrante, C. Trivisano (2014), *Hierarchical Beta Regression Models for the Estimation of Poverty and Inequality Parameters in Small Areas*, SAE 2014 Poland, Poznan, 3–5 September 2014, Book of Abstracts, pp. 35-36.
- Fabrizi E., M. R. Ferrante, C. Trivisano (2014), *Estimation of value added for firms cross-classified by region, industry and size using repeated survey data*, SAE 2014 Poland, Poznan, 3–5 September 2014, Book of Abstracts, pp. 34-35.
- Fabrizi E., M. R. Ferrante, C. Trivisano (2013), *Small area estimation of labour productivity for the Italian small and medium enterprises cross-classified by region, industry and size*, 53th Congress of the European Regional Science Association International, Palermo, 08/30/2013.
- Fabrizi E., M. R. Ferrante, C. Trivisano (2013), *Joint estimation of poverty and inequality parameters in small areas*, 9th Scientific meeting of CLAssification and Data Analysis Group, September 18-20, 2013, University of Modena and Reggio Emilia. In Book of abstract, Eds.: T. Minerva, I. Morlini, F. Palumbo, CLEUP, ISBN: 9788867871179, pp. 182-186.
- Ferrante M.R., S. Pacei (2013), *Small domain estimation of business indicators using multivariate skew normal models*, 1st Southern European Conference on Survey Methodology (SESM), 12-14 December 2013, University of Pompeu Fabra, Barcelona (Spain).
- Fabrizi E., M. R. Ferrante, C. Trivisano (2013), *Joint estimation of poverty and inequality parameters in small areas*, 1st Southern European Conference on Survey Methodology (SESM), 12-14 December 2013, University of Pompeu Fabra, Barcelona (Spain).
- Ferrante M.R., S. Pacei (2013), *Small domain estimation of business parameters using skew-normal models*, Italian Conference on Survey Methodology – ITACOSM, Milan 26-27-28 June 2013. Book of Abstracts, Eds. F. Nicolussi e S. Mecatti, Libreriauniversitaria.it Edizioni, ISBN:978-88-6292-390-3, pp. 21-22.
- Ferrante M. R. , M. Freo, A. Viviani, (2012) *The Post-Entry Effect of Exporting on Productivity: Inference on The Counterfactual Distribution*. In: Proceedings of the 46th Scientific Meeting of the

Italian Statistical Society. Sapienza University, Rome, June 20-22, 2012, Padova, CLEUP, ISBN: 978-88-6129-882-8, p. 1-4.

- Ferrante M.R., Freo M. (2011), Total factor productivity gap between internationalized and domestic firms: net premium or heterogeneity effect? International Statistical Institute (ISI) conference, August 2011, Dublin, Ireland. <http://isi2011.congressplanner.eu/>
- Fabrizi E., Ferrante M.R., Pacci S. (2011), Poverty and social transfers in Italy: an analysis based on EU-SILC data, Fourth meeting of the Society for the Study of Economic Inequality (ECINEQ), July 18-20, 2011, Catania, Italy. http://www.ecineq.org/ecineq_ct/general.htm
- Ferrante M.R., Freo M. (2010). Adjusting the Internationalization Productivity Premium for Firms Heterogeneity by using the Quantile Regression Decomposition. In: SIS 2010. Conference Program. University of Padua, Padua, Italy., June 29, 2011 – July 1, 2011, p. 1-8, ISBN: 978-88-6129-566-7
- Calia P., Ferrante M.R. (2010), How do firms combine different internationalisation modes? A multivariate probit approach, ETSG 2010, Twelfth Annual Conference of the European Trade Study Group, University of Lausanne, 9-11 September 2010, Lausanne, Switzerland. <http://www.etsg.org/ETSG2010/ETSG2010Programme.html>
- Ferrante M.R., Freo M. (2010), Measuring the “net” productivity premium of internationalized firms: a quantile regression decomposition approach, ETSG 2010, Twelfth Annual Conference of the European Trade Study Group, University of Lausanne, 9-11 September 2010, Lausanne, Switzerland. <http://www.etsg.org/ETSG2010/ETSG2010Programme.html>
- Ferrante M.R., Freo M. (2010), Total factor productivity gap between internationalized and domestic firms: net premium or heterogeneity effect? European Economic Association (EEA) 25th Annual Meeting, 23 - 26 August 2010, Glasgow, Scotland
- Fabrizi E., Ferrante M.R., Pacci S., Trivisano C. (2008), Small domain estimation of poverty rates based on EU survey on income and living conditions, SAE2009 Conference on Small Area Estimation, Challenges in Statistics Production for Domains and Small Areas, JUNE 29 – JULY 01, 2009, Elche, Spain. <http://cio.umh.es/sae2009/AbstractList.asp>
- Fabrizi E., Ferrante M.R., Pacci S. (2008) Estimation of Poverty Rates for the Italian Population classified by Household Type and Administrative Region, General Conference of The International Association for Research in Income and Wealth, Portoroz, Slovenia, August 24-30, 2008; <http://www.iariw.org/c2008.php>
- Ferrante M. R. (2007), Multivariate Small Area Models for Count Data, SAE2007 Conference, Small Area Estimation IASS Satellite Meeting, specialized session, September 3-5, 2007, Pisa, Italy.
- Ferrante M. R., Padovani E. (2006), The impact of performance measurement on financial forecasting in Italian municipalities, EGPA 2006, European Group of Public Administration Annual Conference, 6-9 September 2006, Milan, Italy; <http://ssrn.com/abstract=957991>
- Ferrante M.R., M. Freo (2005), *Identifying peculiar states in local administration financial ratios*, in: Classification and Data analysis 2005 - Book of Short Papers, Parma, Monte Università, 2005, pp. 337 - 340 (atti di: Meeting of the Classification and Data Analysis Group of the Italian Statistical Society, Parma - Italy, 6-8 June 2005)
- Ferrante M.R., C. Trivisano (2005), *The estimation of the forecasted labour demand using small area models for count data*, in: Abstracts, Kuala Lumpur, s.n, 2005, pp. 177, **invited session** at the International Statistical Conference “Statistical in the Technological age”, Kuala Lumpur - Malaysia, 27-31 Dicembre 2005)

- Ferrante, M. R., Freo, M. (2005), Identifying peculiar states in local administration financial ratios, Book of short papers presented at the Classification and Data Analysis Group (CLADAG) Conference 2005, 6-8 June 2005, pp. 337 – 340, Parma, Italy.
- Fabrizi E., Ferrante M.R., Pacei S. (2005), Estimation of poverty indicators at the sub-national level using univariate and multivariate small area models, SAE2005 Conference, Challenges in Statistics Production for Domains and Small Areas, University of Jyväskylä, 28-31 August 2005, Jyväskylä, Finland. <http://www.stat.jyu.fi/sae2005/invited.htm>
- Fabrizi E., Ferrante M.R., Pacei S. (2005), Estimation of poverty indicators at sub-national level using multivariate small area models, **invited session** at the International Statistical Conference ISCM2005, “Statistical in the Technological age”, 27-31 December 2005, Kuala Lumpur, MALAYSIA (invited).
- Ferrante M. R., Trivisano C. (2005), Estimating firms' labour demand forecasts using small area models for count data (con C. Trivisano), Proceedings of the International Statistical Conference ISCM2005, “Statistical in the Technological age”, 27-31 December 2005, Kuala Lumpur, Malaysia, **invited session**.
- Ferrante M.R., S. Pacei, E. Fabrizi (2004), *Estimation of Regional Income Indicators Using Small Area Methods for Panel Data*, in: Atti della XLII Riunione Scientifica della Società Italiana di Statistica Sessioni plenarie Sessioni specializzate, Padova, CLEUP, 2004, pp. 401 - 412 (atti di: XLII Riunione Scientifica della Società Italiana di Statistica, Bari, 9-11 giugno 2004)
- Fabrizi E. , M.R. Ferrante, S. Pacei (2004), *Small Area Estimation of Average Household Income Based on Panel Data*, in: 2004 Proceedings of the American Statistical Association, Statistical Computing Section, Alexandria, American Statistical Association, 2004, pp. 3464 - 3470 (proceedings 2004 Joint Statistical Meeting, Toronto, 8-12 August 2004)
- Fabrizi E., Ferrante M.R., Pacei S. (2004), Estimation of household income frequency distribution in small areas, IMS/ASA'S SRMS Joint Mini Meeting on Current Trends in Survey Sampling and Official Statistics, January 1-3, 2004, CALCUTTA, INDIA.
- Fabrizi E., Ferrante M.R., Pacei S. (2004), Small area estimation of average household income based on panel data, Joint Statistical Meetings (JSM) 8-12 August 2004, Toronto, Canada; <http://www.amstat.org/sections/srms/Proceedings/y2004f.html>.