Curriculum Vitae

Alessandra Mattei

Office Contact Information

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Education

2005	Ph.D. in Applied Statistics, University of Florence (February 22nd, 2005)
2004	Visiting Student, Department of Statistics, Harvard University, Cambridge, USA (March - May, 2004).
2001	University degree in Statistical Science (summa cum laude), University of Florence (February 8th, 2001)

Awards

Pirondini Prize, ex-aequo for the best degree thesis of the year 2001 in Economics, Geography, Statistics and Technology.

Professional Experiences

2009 – present	Assistant Professor of Statistics, Department of Statistics,"G. Parenti", University of Florence
2012	Research Fellow at SAMSI (Statistical and Applied Mathematical Sciences Institute) for the Pesearch Program "Uncertainty Quantification", North Carolina, USA (January - May, 2012)
2007	ECASS visiting researcher, Institute for Social and Economic Research, University of Essex, UK (March - April, 2007)
2006 – 2008	Research Fellow, Department of Statistics,"G. Parenti", University of Florence. (July 2006 - July 2008)
2002 – 2007	Employed as Statistician of the Tuscan Region, public administration (December 2002 - June 2007: On leave between February 2003 and December 2004 and between July 2006 - June 2007)
2001	Local coordinator for the 2001 Italian Census

Research Projects

- Principal Investigator of the Florence Research Unit. Research Project "Mixture and latent variable models for causal inference and analysis of socio-economic data." (Duration: 36 months). Programma Futuro in Ricerca 2012. Italian Ministry of Research and Higher Education (Coordinator: Francesco Bartolucci)

- Scientific Expert (2011). Eurofound Research Project "Youth employment: Challenges and solution for higher participation of young people in the labour market", European Foundation for the improvement of Living Condition.

- Member of the Florence Research Unit. Research Project "Latent class and multilevel models: methodology and applications in evaluation and causal inference." (Duration: 24 months). MIUR-COFIN 2008 grant, Italian Ministry of Research and Higher Education (Coordinator: Paola Monari, Local Coordinator: Carla Rampichini).

- Researcher (2006 - 2007). Research Project "Statistical methods for the evaluation of educational, training, and development policies." (Duration: 24 months). MIUR-COFIN 2005 grant, Italian Ministry of Research and Higher Education (Coordinator: Enrico Rettore, Local Coordinator: Fabrizia Mealli).

- Researcher (2006 - 2007). Research Project "Analysis and evaluation of financial aids to Tuscan artisan firms." IRPET - Istituto Regionale di Programmazione Economica.

- Researcher. 2004 ESF Research Project - European collaborative Research Projects in the Social Sciences, "Poverty dynamics and fertility in developing countries." (Duration: 36 months).

- Researcher (2005 - 2007). Research Project "Monitoraggio del Piano di Promozione Economica - Regione Toscana." IRPET - Istituto Regionale per la Programmazione Economica della Toscana.

- Ph.D Student Member. Research Project "Causal inference and graphical models." (Duration: 24 months). MIUR-COFIN 2003 grant, Italian Ministry of Research and Higher Education (Coordinator: Guido Consonni, Local Coordinator: Fabio Corradi).

Teaching Experiences

2013/14	Lecturer of Statistical Inference , MA program in "LM− Statistica, Scienze Attuariali e Finanziarie" School of Economics and Management, University of Florence (Joint with B. Chiandotto)
2012/13 & 2013/14	Lecturer of Statistical Models for the Social Sciences, MA program in "LM−88 Sociologia e Ricerca Sociale" School of Political Science, University of Florence (Joint with E. Pirani)
2013	"Statistical Methods for the Evaluation of Public Policies", Department of Statistics, Computer Science, Applications "G. Parenti", University of Florence, February 26th-27th, 2013. (Joint with L. Grilli, F. Mealli, C. Rampichini, E. Rettore)

2009/10 & 2011/12	Lecturer of Statistics, BA program in "Scienze e Tecniche Psicologiche (classe L-24)," Faculty of Psychology, University of Florence
2010	"Methods and Models for Causal Inference", School of the Italian Statistical Society, Department of Statistics "G. Parenti", University of Florence, May 18th-21st, 2010. (Joint with B. Arpino, P. Frumento, L. Grilli, F. Mealli, B. Pacini, C. Rampichini)
	"An Introduction to R", IRPET, Florence, Italy, January 12th, 15th, 26th, 29th, 2010.
2008/09; 2010/11 2012/13	Algebra for Statistics, Graduate course, Department of Statistics, University of Florence
2008/09 − 2010/11 2012/13	Teaching assistant of Econometrics, MA programme in "Scienze Statistiche," Faculty of Economics, University of Florence
2008/09	Lecturer of Statistics, BA programme in "Scienze e Tecniche di Psicologia Clinica e Comunità," Faculty of Psychology, University of Florence
	Lecturer of Statistics, BA programmes in "Scienze e Tecniche di Psicologia dello Sviluppo e dell'Educazione" and "Scienze e Tecniche di Psicologia del Lavoro e delle Organizzazioni," Faculty of Psychology, University of Florence
2006/07 − 2007/08	Co-Professor of Statistics (Basic), BA programme in "Ingegneria dell'Ambiente e delle Risorse," Faculty of Engineering, University of Florence
	Teaching assistant of Statistics (Basic), BA programme in "Relazioni Industriali e Sviluppo delle Risorse Umane," Faculty of Political Science, University of Florence
2005/06 − 2007/08	Lecturer of Advanced Statistics, MA programme in "Psicologia Sperimentale," Faculty of Psychology, University of Florence
2004/05 − 2005/06	Teaching assistant of Statistics (Basic), BA programme in "Ingegneria dell'Ambiente e delle Risorse," Faculty of Engineering, University of Florence

Institutional Roles

Member of the committee for awarding funds (ex 60% 2011)

Member of the committee, Interviewer Register, Florence (July 2010).

Conference Organization

Member of the local organizing committee "Joint Meeting GfKl − CLADAG" (Florence, Italy, September 8th-10th, 2010)

Member of the organizing committee "The impact of public policies: evaluation methods and empirical applications" (Florence, Italy, January 18th-19th 2007)

Editorial Activities

Referee for *Biometrics*, *Biostatistics*, *Journal of the American Statistical Association*, *Journal of the Royal Statistical Society A*, *Oxford Bulletin of Economics and Statistics*, *Research in Economics*, *Statistical Methods and Applications*.

Membership in Professional Societies

Italian Statistical Society (Società Italiana di Statistica, SIS)

Econometric Society

International Society for Bayesian Analysis (ISBA)

American Statistical Association (ASA)

Research Interests

Causal inference in experimental and observational studies

Inference with missing data problems

Bayesian inference

Publications

Forthcoming

1. Mattei A., Li F., Mealli F. Exploiting multiple outcomes in Bayesian Principal Stratification Analysis with Application to the Evaluation of a Job Training Program. *The Annals of Applied Statistics.* Forthcoming. ISSN: 1932-6157.

2. Mattei A., Mealli F., Pacini B. Identification of local causal effects with missing outcome values and an instrument for nonresponse. *Communications in Statistics - Theory and Methods. Special Issue: "Latent structure analysis: new boundaries in statistical methods and models".* Forthcoming. ISSN: 0361-0926 (print version) ISSN: 1532-415X (electronic version)

3. Mattei A. Principal Stratification. Entry in the *Encyclopedia of Quality of Life Research* ISBN: 978-94-007-0752-8 (Book) 978-94-007-0753-5 (eReference) 978-94-007-0754-2 (Book + eReference).

4. Ciucci E., Calussi P., Menesini E., Mattei A., Petralli M., Orlandini S. Seasonal Variation, Weather and Behavior in Day-care Children: A Multilevel Approach. *International Journal of Biometeorology.* ISSN: 0020-7128 (print version) ISSN: 1432-1254 (electronic version)

Published Papers

1. Mattei A., Mealli F., Pacini B. (2013). Exploiting Multivariate Outcomes in Bayesian Inference for Causal Effects with Noncompliance. In N. Torelli; F. Pesarin, A. Bar-Hen (Eds.). *Studies in Theoretical and Applied Statistics.* Part III: Statistical Modelling and Data Analysis. Springer. ISBN 978-3-642-35587-5 (ISBN e-Book: 978-3-642-35588-2)

2. Mattei A. (2013). Discussion on 'Experimental designs for identifying causal mechanisms' by Kosuke Imai, Dustin Tingley and Teppei Yamamoto. *Journal of the Royal Statistical Society, Series A.* 176(1), 43-44 Online ISSN: 1467-985X. DOI: 10.1111/j.1467-985X.2012.01032.x.

3. Bia M., Mattei A. (2012). Assessing the Effect of the Amount of Financial Aids to Piedmont Firms Using the Generalized Propensity Score. *Statistical Methods and Applications,* **21**(4), 485–516. Print ISSN: 1618-2510, Online ISSN: 1613-981X. DOI 10.1007/s10260-012-0193-4.

4. Mealli F., Mattei A. (2012). A *Refreshing* Account of Principal Stratification. Commentary on 'Principal Stratification − a Goal or a Tool?' by Judea Pearl. *The International Journal of Biostatistics.* Vol. 8: Iss. 1, Article 8. DOI: 10.1515/1557-4679.1380.

5. Mattei A., Mealli F. (2011). Augmented Designs to Assess Principal Strata Causal Effects. *Journal of the Royal Statistical Society, Series B.* **73**, Part 5, 729–752. Print ISSN: 1369-7412, Online ISSN: 1467-9868.

6. Mattei A., Mealli F., Rubin D. B. (2011). Missing Data and Imputation Methods. In Kenett R. and Salini S. (Eds.) *Modern Analysis of Customer Surveys: with Applications Using R*, Wiley, 129–154. ISBN-10: 0470971282, ISBN-13: 978-0470971284.

7. Mattei A., (2011). Review of the book "Bayesian Missing Data Problems. EM, Data Augmentation and Non-iterative Computation." by Ng, K. W., Tan, M. T. and Tian G.-L. Chapman & Hall/CRC. *Biometrics.* **67**(2), 672-674. Print ISSN: 0006-341X, Online ISSN: 1541-0420.

8. Ciucci E., Calussi P., Orlandini S., Mattei A., Menesini E., Petralli M. (2011). Weather Daily Variation in Winter, Behavior and Affective States in Day-Care Centers. *International Journal of Biometeorology* **55**(3), 327–337. Print ISSN: 0020-7128, Online ISSN: 1432-1254.

9. Mattei A., Mealli F., Pudney S. (2009). Living Standards and Fertility in Indonesia: A Bayesian Analysis. *Giornale degli Economisti e Annali di Economia* **68**(2), 175–210. ISSN: 0017-0097.

10. Mattei A. (2009). Estimating and Using Propensity Score in Presence of Missing Background Data. An Application to Assess the Impact of Childbearing on Wellbeing. *Statistical Methods and Applications* **18**(2), 257–273. Print ISSN: 1618-2510, Online ISSN: 1613-981X.

11. Mattei A., Francavilla F. (2009). Assessing the Causal Effect of Childbearing on Economic Wellbeing in Albania. In H. Engelhardt, H.P. Kohler and A. Fürnkranz-Prskawetz (eds.), *Causal Analysis in Population Studies: Concepts, Methods, Applications* Springer, Verlag, 201–231. ISBN 978-1-4020-9966-3.

12. Mattei A., Bia M. (2008). A STATA Package for the Estimation of the Dose-Response Function through Adjustment for the Generalized Propensity Score. *The STATA Journal* **8**(3), 354 – 373. Print ISSN: 1536-867X, Online ISSN: 1536-8734.

13. Mattei A., Mealli F. (2007). Application of the Principal Stratification Approach to the Faenza Randomized Experiment on Breast Self-Examination. *Biometrics* **63**(2), 437–446. Print ISSN: 0006-341X, Online ISSN: 1541-0420.

Proceedings

1. Li F., Mattei A., Mealli F., (2013). Bayesian Inference for Fuzzy Regression Discontinuity Designs with Application to the Evaluation of Italian University Grants. *Proceedings of the Conference: Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction (SCo 2013)*, Pen Drive, Copyright: Poliscript 2013 - Politecnico di Milano, Piazza Leonardo da Vinci, 32, 20133 Milano. ISBN: 97888-6493-019-0

2. Arpino, B. Mattei A. (2013). Assessing the Impact of Financial Aids to Firms: Causal Inference in the Presence of Interference. *Proceedings of the Conference: Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction (SCo 2013)*, Pen Drive, Copyright: Poliscript 2013 - Politecnico di Milano, Piazza Leonardo da Vinci, 32, 20133 Milano. ISBN: 97888-6493-019-0

3. Li F., Mattei A., Mealli F., (2013). Bayesian Inference for Fuzzy Regression Discontinuity Designs. In *Advances in Latent Variables. Proceedings of the Intermediate Conference of the Italian Statistical Society. (SIS 2013)* Eds. Brentari E., Carpita M. ISBN: 978-88-343-2556-8.

4. Bia M., Mattei A., Flores C., Flores-Lagunes A., (2013). Semiparametric estimators of dose-response functions. In *Advances in Latent Variables. Proceedings of the Intermediate Conference of the Italian Statistical Society. (SIS 2013)* Eds. Brentari E., Carpita M. ISBN: 978-88-343-2556-8.

5. Li F., Mattei A., Mealli F., (2012). Bayesian Inference for Causal Effects in Randomized Experiments with Noncompliance: The Role of Multivariate Outcomes. *Proceedings of the XLVI Scientific Meeting of the Italian Statistical Society. (SIS 2012)* ISBN: 978-88-6129-882-8.

6. Arpino B., Mattei A. (2012). Assessing the Impact of Financial Aids to Firms: Causal Inference in the presence of Interference. *Proceedings of the XLVI Scientific Meeting of the Italian Statistical Society (SIS 2012)* ISBN: 978-88-6129-882-8.

7. Mattei A., Mealli F., Pacini B. (2012). Identification of Causal Effects in the Presence of Nonignorable Missing Outcome Values. *Proceedings of the Conference "Methods and models for latent variables (MMLV)". Special Issue, Quaderni di Statistica*, **14**, 157-160. ISBN-13: 978-88-207-5364-1 and ISSN: 1594-3739.

8. Mattei A., Mealli F., Pacini B. (2011). Identification of Causal Effects in the Presence of Nonignorable Missing Outcome Values. *Proceedings of the 58th Congress of the International Statistical Institute.*

9. Bia M., Mattei A.(2011). Assessing the Effect of R&D Contributions to Luxembourgish Firms: A Non Parametric Approach. *Proceedings of the 58th Congress of the International Statistical Institute.*

10. Arpino B., Mattei A. (2011). Assessing the Impact of Financial Aids to Firms: Causal Inference in the presence of Interference. *Proceedings of the 58th Congress of the International Statistical Institute.*

11. Gottard A., Mattei A., Vignoli D. (2011). Modelling Fertility and Education in Italy in the Presence of Time-varying Frailty Component. *Proceedings of the 26th International Workshop on Statistical Modelling*, 281–286. ISBN: 9788469451298.

12. Mattei A., Mealli F., Pacini B. (2010). Exploiting Multivariate Outcomes in Bayesian Inference for Causal Effects with Noncompliance. *Proceedings of the XLV Scientific Meeting of the Italian Statistical Society.* ISBN: 978 88 6129 566 7.

13. Mattei A., Mealli F. (2010). Bayesian Inference in Augmented Designs for Assessing Principal Strata Causal Effects. Poster. *Ninth Valencia International Meetings on Bayesian Statistics / 2010 World Meeting of the International Society for Bayesian Analysis.*

14. Gottard A., Mattei A., Vignoli D. (2010). Modeling fertility and education in Italy: time-variant or invariant unobserved heterogeneity component? *Proceedings of the Joint Meeting GfKl-CLADAG 2010*, 163–164.

15. Mattei A. (2009). Identifying and Estimating Direct and Indirect Effects. In S. Ingrassia and R. Rocci (eds), *Seventh Meeting of the CLAssification and Data Analysis Group of the Italian Statistical Society*, Short paper, 273–276. ISBN: 978-88-6129-406-6.

16. Mattei A., Mealli F. (2008). Evaluating Direct and Indirect Effects in a Non- Experimental Setting Using Principal Stratification. An Application. *Proceedings of the XLIV Scientific Meeting of the Italian Statistical Society.* University of Calabria. Plenary and Specialized Sessions, Contributed Sessions on cd. ISBN: 9788861292284.

17. Mattei A., Mealli F. (2004). Assessing the Effect of a Teaching Program on Breast Self-Examination in a Randomized Trial with Noncompliance and Missing Data. *Proceedings of the 19th International Workshop on Statistical Modeling (ISBN: 88-8453-193-4)*, 455–459.

18. Berti P., Mattei A., Rigo P. (2002). Uniform Convergence of Empirical and Predictive Measures. *Proceedings of the Seminario Matematico e Fisico, Università degli Studi di Modena*, L, 465–477. ISSN:0041-8986.

Research Reports

1. Mealli F., Mattei A. (2007). Approfondimenti sulla valutazione ex-post dell' intervento (2006), sul questionario ex-post (2006) e sulla valutazione di impatto (2002, 2003). In *Piano di Promozione Economica 2006. Regione Toscana. Rapporto di Monitoraggio*, MIMEO, IRPET.

2. Mauro V., Mattei A. (2007). Analisi e Valutazione delle Politiche di Sostegno alle Imprese Artigiane della Toscana. MIMEO, IRPET.

3. Mealli F., Mattei A. (2006). Approfondimenti sulla valutazione ex-post dell' intervento (2005), sul questionario ex-post (2005) e sulla valutazione di impatto (2002). In *Piano di Promozione Economica 2005. Regione Toscana. Rapporto di Monitoraggio*, MIMEO, IRPET.

4. Mealli F., Mattei A. (2005). Approfondimenti sulla valutazione ex-post dell'intervento (2004) e sulla valutazione di impatto (2002). In *Monitoraggio Piano di Promozione Economica 2004 Regione Toscana*, MIMEO, IRPET.

Working Papers

1. Li F., Mattei A., Mealli F. (2013). Bayesian Inference for Regression Discontinuity Designs with Application to the Evaluation of Italian University Grants. *Discussion Paper Series* 2013-03, Department of Statistical Science, Duke University.

2. Mattei A., Li F., Mealli F. (2012). Exploiting multiple outcomes in Bayesian inference for causal effects with intermediate variables. *Discussion Paper Series* 2012-15, Department of Statistical Science, Duke University.

3. Gottard A., Mattei A., Vignoli D. (2012). How education affects fertility in the presence of time-varying frailty component. *Working Paper* 2012/07, Department of Statistics, University of Florence.

4. Mattei A., Mealli F., Pacini B. (2011). Identification of Causal Effects in the Presence of Nonignorable Missing Outcome Values. *Working Paper* 2011/05, Department of Statistics, University of Florence.

5. Bia M., Flores C.A., Mattei A. (2011). Nonparametric Estimators of Dose-Response Functions. *Working Paper* 2011/1, CEPS/INSTEAD, Esch-Sur-Alzette, Luxembourg.

6. Mattei A., Mealli F. (2010). Augmented Designs to Assess Principal Strata Direct Effects. *Working Paper* 2010/04, Department of Statistics, University of Florence.

7. Bia M., Mattei A. (2007). Application of the Generalized Propensity Score. Evaluation of public contributions to Piedmont enterprises. *Working Paper* 2007/89, Dipartimento di politiche pubbliche e scelte collettive, Università degli Studi del Piemonte orientale.

8. Mattei A., and Francavilla F. (2006). Assessing the Causal Effect of Childbearing on Economic Wellbeing in Albania. *Working Paper* 2006/13, Department of Statistics, University of Florence.

9. Mattei A., and Mealli F. (2005). Application of the Principal Stratification Approach to the Faenza Randomized Experiment on Breast Self-Examination. *Working Paper* 2005/09, Department of Statistics, University of Florence.

Under Review

1. Gottard A., Mattei A., Vignoli D. The relationship between education and fertility in the presence of a time-varying frailty component. *The Journal of the Royal Statistical Society - Series A*

2. Mattei A., Mealli F., Pacini B. Identification of Causal Effects in the Presence of Nonignorable Missing Outcome Values. *Biometrics*

3. Bia M., Flores C., Flores-Lagunes A., Mattei A. A Stata package for the application of nonparametric estimators of dose-response functions. *The STATA Journal*

4. Li F., Mattei A., Mealli F. (2013). Bayesian Inference for Regression Discontinuity Designs with Application to the Evaluation of Italian University Grants. *Journal of the American Statistical Association*

Presentations

Invited Seminars and Conference Presentations

– Bayesian Inference for Fuzzy Regression Discontinuity Designs with Application to the Evaluation of Italian University Grants. (Joint work with Fan Li, Fabrizia Mealli). *Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction (SCo 2013)*, Milan, Ital (September 9th-11th, 2013).

– Bayesian Inference for Fuzzy Regression Discontinuity Designs with Application to the Evaluation of Italian University Grants. (Joint work with Fan Li, Fabrizia Mealli). *2013 Joint Statistical Meetings*, Motréal, Canada (August 3rd-8th, 2013).

– Bayesian Inference for Fuzzy Regression Discontinuity Designs. (Joint work with Fan Li, Fabrizia Mealli). *Intermediate Conference of the Italian Statistical Society (SIS 2013)*, Brescia, Italy (June 19th-20th, 2013).

– Bayesian Inference for Causal Effects in Randomized Experiments with Noncompliance: The Role of Multivariate Outcomes. (Joint work with Fan Li, Fabrizia Mealli). *XLVI Scientific Meeting of the Italian Statistical Society*, Rome, Italy (June 20th-22nd, 2012).

– Quantifying Uncertainty Exploiting Multiple Outcomes in Bayesian Inference for Causal Effects with Noncompliance. (Joint work with Fan Li, Fabrizia Mealli). *SAMSI (Statistical and Applied Mathematical Sciences Institute)*, NC, USA, (March 1st, 2012).

– Exploiting Multivariate Outcomes in Bayesian Inference for Causal Effects with Noncompliance. (Joint work with Fabrizia Mealli, Barbara Pacini). *CEPS/INSTEAD*, Luxembourg (June 22nd, 2010).

– Augmented Designs to Assess Principal Strata Causal Effects.(Joint work with Fabrizia Mealli). *Bocconi University*, Milan, Italy (January 21st, 2010).

– Living Standards and Fertility in Indonesia: A Bayesian analysis. (Joint work with Fabrizia Mealli, Stephen Pudney). *Department of Statistics, University of Florence*, Florence, Italy (November 6th, 2008).

– Estimating and Using Propensity score in Presence of Missing Background Data. An Application to Assess the Impact of Childbearing on Wellbeing. *European University Institute*, Florence, Italy (May 24th, 2007).

– Assessing the Causal Effect of Childbearing on Economic Wellbeing in Albania. (Joint work with Francesca Francavilla). *UNICEF*, Florence, Italy (February 14th, 2006).

Contributed Conference Presentations and Posters

- Understanding Causal Mechanisms through Principal Stratification: Definitions and Assumptions. (Joint work with Fan Li, Fabrizia Mealli). *Symposium: Causal Mediation Analysis*, (January 28th-29th, 2013).

- Identification of Causal Effects in the Presence of Nonignorable Missing Outcome Values. (Joint work with Fabrizia Mealli, Barbara Pacini). 58th Congress of the International Statistical Institute (ISI), Dublin, Ireland, August 21st–26th, 2011.

- Modelling Fertility and Education in Italy in the Presence of Time-varying Frailty Component. (Joint work with Anna Gottard, Daniele Vignoli). *Giornate di Studio sulla Popolazione*, Università Politecnica delle Marche, Facoltà di Economia 'G. Fuà', Italy, February 2nd–4th, 2011.

- Exploiting Multivariate Outcomes in Bayesian Inference for Causal Effects with Noncompliance. (Joint work with Fabrizia Mealli, Barbara Pacini). *XLV Scientific Meeting of the Italian Statistical Society*, Padua, Italy, June 16–18th, 2010.

- Bayesian Inference in Augmented Designs for assessing Principal Strata Causal Effects. (Joint work with Fabrizia Mealli). *Ninth Valencia International Meeting on Bayesian Statistics / 2010 World Meeting of the International Society for Bayesian Analysis*, Valencia, Spain, June 3rd–8th, 2010.

- Identifying and Estimating Direct and Indirect Effects. *Seventh Meeting of the CLAssification and Data Analysis Group of the Italian Statistical Society*, Catania, Italy, September 9–11th, 2009.

- Living Standards and Fertility in Indonesia: A Bayesian Analysis. (Joint work with Fabrizia Mealli, Stephen Pudney). *24th Annual Congress of the European Economic Association / 64th European meeting of the Econometric Society*, Barcelona, Catalonia, Spain, August 23rd–27th, 2009.

- Living Standards and Fertility in Indonesia: A Bayesian Analysis. (Joint work with Fabrizia Mealli, Stephen Pudney). *3rd Italian Congress of Econometrics and Empirical Economics*, Ancona, Italy, January 30th–31st, 2009.

- Evaluating Direct and Indirect Effects in a Non-Experimental Setting Using Principal Stratification. An Application. (Joint work with Fabrizia Mealli). *XLIV Scientific Meeting of the Italian Statistical Society*, Arcavacata di Rende, Cosenza, Italy, June 25–27th, 2008.

- Estimating and Using Propensity score in Presence of Missing Background Data. An Application to Assess the Impact of Childbearing on Wellbeing. *Workshop "The Impact of Economic Policies on Firms and Regions: evaluation methods and models"*, Department of Statistics, University of Florence, Florence, Italy, January 18-19th, 2007.

- Assessing the Causal Effect of Child bearing on Economic Wellbeing in Albania. (Joint work with Francesca Francavilla). *Conference on "Causal Analysis in Population Studies: Concepts, Methods and Applications"*, Vienna Institute of Demography, Vienna, Austria, November 30th - December 1st, 2006.

- Assessing the Effect of a Teaching Program on Breast Self-Examination in a Randomized Trial with Noncompliance and Missing Data. (Joint work with Fabrizia Mealli). *19th International Workshop on Statistical Modeling*, Florence, Italy, July 4–8th, 2004.