CURRICULUM VITAE

CARLOS VELASCO
Professor of Economics
Santander Chair of Economic Studies

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Google Scholar:	scholar.google.es/citations?user=018StBcAAAAJ

EDUCATION

- PhD, London School of Economics and Political Science, University of London (1997).
- PhD courses in Economics, Econometrics and Statistics, Universidad Carlos III de Madrid (1993).
- PhD courses, Department of Applied Economics - Statistics and Econometrics, Universidad de Valladolid (1993).
- BSc Economics, Universidad de Valladolid (1991).

POSITIONS

- Santander Chair of Economic Studies, Universidad Carlos III de Madrid (since 2022).
- Professor (Catedrático de Universidad, Fundamentos del Análisis Económico), Department of Economics, Universidad Carlos III de Madrid (since 2007).
- Associate Professor (Profesor Titular de Universidad), Department of Economics, Universidad Carlos III de Madrid (2004-2007).
- ICREA Research Professor (Institució Catalana de Recerca i Estudis Avançats). Department of Economics, Universitat Autònoma de Barcelona (2003-2004).

- Associate Professor (Profesor Titular de Universidad), Department of Statistics and Econometrics, Universidad Carlos III de Madrid (2001-2003).
- Assistant Professor (Profesor Visitante), Department of Statistics and Econometrics, Universidad Carlos III de Madrid (1997-2001).
- Junior Lecturer, Department of Statistics, University of Oxford (1996-1997).
- Tutor in Statistics, Colleges St Edmund Hall and Lady Margaret Hall, University of Oxford (1997).
- Teaching Assistant, Department of Statistics, London School of Economics (1995/96 and 1996/97).
- Research Assistant, Department of Economics, London School of Economics (1994/95 and 1995/96).
- Teaching Assistant, Department of Applied Economics - Statistics and Econometrics, Universidad de Valladolid (1991).

PUBLICATIONS

Articles

1. C. Velasco. ‘Semiparametric Gaussian Estimation of Non-Stationary Time Series’, *Journal of Time Series Analysis*, 20, 87-127, 1999.
2. C. Velasco. ‘Non-Stationary Log-Periodogram Regression’, *Journal of Econometrics*, 91, 325-371, 1999.
3. C. Velasco. ‘Non-Gaussian Log-Periodogram Regression’, *Econometric Theory*, 16, 44-79, 2000.
4. C. Velasco. ‘Local Cross Validation for Spectrum Bandwidth Choice’, *Journal of Time Series Analysis*, 21, 329-361, 2000.
5. I.N. Lobato and C. Velasco. ‘Long Memory in Stock Market Trading Volume’, *Journal of Business and Economic Statistics*, 18, 410-427, 2000.
6. C. Velasco and P.M. Robinson. ‘Whittle Pseudo-Maximum Likelihood Estimates of Non-Stationary Time Series’, *Journal of the American Statistical Association*, 95, 1229-1243, 2000.
   Reprinted in *Recent Developments in Time Series*, eds. P. Newbold and S.J. Leybourne, Edward Elgar Publishing Ltd., UK, 2003.
7. P.M. Robinson and C. Velasco. ‘Edgeworth Expansions for Spectral Density Estimates and Studentized Sample Mean’, *Econometric Theory*, 17, 497-539, 2001.
8. F. Marmol and C. Velasco. ‘Trend Stationarity versus Long Range Dependence in Time Series Analysis’, *Journal of Econometrics*, 108, 25-42, 2002.
9. C. Velasco. ‘Gaussian Semiparametric Estimation of Fractional Cointegration’, *Journal of Time Series Analysis*, 24, 345-378, 2003.
10. C. Velasco. ‘Nonparametric Frequency Domain Analysis of Non-Stationary Multivariate Time Series’, *Journal of Statistical Planning and Inference*, 116, 209-247, 2003.

11. I.N. Lobato and C. Velasco. 'A Simple Test for Normality for Time Series', *Econometric Theory*, 20, 661-679, 2004.
12. F. Marmol and C. Velasco. 'Consistent Testing of Cointegration Relationships', *Econometrica*, 72, 1809-1844, 2004.
13. J. Arteche and C. Velasco. 'Trimming and Tapering Semiparametric Estimates in Asymmetric Long Memory Time Series', *Journal of Time Series Analysis*, 29, 581-611, 2005.
14. M.A. Delgado and C. Velasco. 'Sign Tests for Long Memory Time Series', *Journal of Econometrics*, 128, 215-251, 2005.
15. M. Delgado, F.J. Hidalgo and C. Velasco. 'Distribution Free Goodness-of-fit Tests for Linear Processes', *Annals of Statistics*, 33, 2568-2609, 2005.
16. U. Hassler, F. Marmol and C. Velasco. 'Residual Periodogram Inference for Long-Run Relationships', *Journal of Econometrics*, 130, 165-207, 2006.
17. J.C. Escanciano and C. Velasco. 'Generalized Spectral Tests for the Martingale Difference Hypothesis', *Journal of Econometrics*, 134, 151-185, 2006.
18. I.N. Lobato and C. Velasco. 'Optimal Fractional Dickey-Fuller Tests', *Econometrics Journal*, 9, 492-510. 2006.
19. J.C. Escanciano and C. Velasco. 'Testing the Martingale Difference Hypothesis using Integrated Regression Functions', *Computational and Statistical Data Analysis*, 51, 2278-2294, 2006.
20. I.N. Lobato and C. Velasco. 'Efficient Wald Tests for Fractional Unit Roots', *Econometrica*, 75, 575-589, 2007.
21. C. Velasco. 'The Periodogram of Fractional Processes', *Journal of Time Series Analysis*, 28, 600-627, 2007.
22. J. Hualde and C. Velasco. 'Distribution-free tests of fractional cointegration', *Econometric Theory*, 24, 216-255, 2008.
23. I.N. Lobato and C. Velasco. 'Power comparison among tests for fractional unit roots', *Economics Letters*, 99, 152-154, 2008.
24. F. Marmol, U. Hassler and C. Velasco. 'Fractional cointegration in the presence of linear trends', *Journal of Time Series Analysis*, 29, 1088-1103, 2008.
25. M. Avarucci and C. Velasco. 'A Wald test for the cointegration rank in nonstationary fractional systems', *Journal of Econometrics*, 151, 178-189, 2009.
26. M.A. Delgado, F.J. Hidalgo and C. Velasco. 'Distribution-Free Specification Tests for Dynamic Linear Models', *Econometrics Journal*, 12, 105-134, 2009.
27. M.A. Delgado and C. Velasco. 'Distribution-free Test for Time Series Model Specification', *Journal of Econometrics*, 155, 128-137, 2010.
28. J.C. Escanciano and C. Velasco. 'Specification Tests of Parametric Dynamic Conditional Quantiles', *Journal of Econometrics*, 159, 209-221, 2010.

29. M.A. Delgado, F.J. Hidalgo and C. Velasco. ‘Bootstrap Assisted Specification Tests for the ARFIMA Model’, *Econometric Theory*, 27, 1083-1116, 2011.

30. M.A. Delgado and C. Velasco. ‘An asymptotically pivotal transform of the residuals sample autocorrelations with application to model checking’, *Journal of the American Statistical Association*, 106, 946-958, 2011.

31. S. Moon and C. Velasco. ‘Tests for m-dependence based on sample splitting methods’, *Journal of Econometrics*, 173, 143-159, 2013.

32. S. Moon and C. Velasco. ‘On the Properties of Regression Tests of Stock Return Predictability Using Dividend-Price Ratios’, *Journal of Financial Econometrics*, 12, 151-17, 2014.

33. C. Velasco and X. Wang. ‘A Joint Portmanteau Test for Conditional Mean and Variance Time Series Models’, *Journal of Time Series Analysis*, 36, 39-60, 2015.

34. P.M. Robinson and C. Velasco. ‘Efficient Inference on Fractionally Integrated Panel Data Models with Fixed Effects’, *Journal of Econometrics*, 185, 435-452, 2015.

35. K. Lasak and C. Velasco. ‘Fractional cointegration rank estimation’, *Journal of Business & Economic Statistics*, 33, 241-254, 2015.

36. V. Andrietti and C. Velasco. ‘Lecture Attendance, Study Time, and Academic Performance: A Panel Data Study’, *The Journal of Economic Education*, 46, 230-259, 2015.

37. Y.E. Ergemen and C. Velasco. ‘Estimation of Fractionally Integrated Panels with Fixed Effects and Cross-Section Dependence’, *Journal of Econometrics*, 196, 248-258, 2017.

38. S. Moon and C. Velasco. ‘Do foreign exchange return regressions convey useful information on return predictability?’, *Revista de Economia Aplicada*, 73, 5-19, 2017.

39. S-H Kim, S. Moon and C. Velasco. ‘Delayed Overshooting: It’s an 80s Puzzle?’, *Journal of Political Economy,* 125, 1570-1522, 2017.

40. I. Kheifets and C. Velasco, ‘New goodness-of-fit diagnostics for conditional discrete response models’, *Journal of Econometrics*, 200, 135-149, 2017.

41. A. Ibañez and C. Velasco. ‘The Optimal Method for Pricing Bermudan Options by Simulation’, *Mathematical Finance*, 28, 1143-1180, 2018.

42. I.N. Lobato and C. Velasco. ‘Efficiency Improvements for Minimum Distance Estimation of Causal and Invertible ARMA Models’, *Economics Letters*, 162, 150-152, 2018.

43. C. Velasco and I.N. Lobato. ‘Frequency Domain Minimum Distance Inference for Possibly Noninvertible and Noncausal ARMA models’, *Annals of Statistics*, 46, 555-579, 2018.

44. P.M. Robinson and C. Velasco. ‘Inference on Trending Panel Data’, *Journal of Econometrics*, 206, 282-304, 2018.

45. Y.E. Ergemen and C. Velasco. ‘Persistence Heterogeneity Testing in Panels with Interactive Fixed Effects’, *Journal of Time Series Analysis*, 40, 573-589, 2019.

46. P.M. Robinson and C. Velasco. ‘Estimation for Dynamic Panel Data with Individual Effects’, *Econometric Theory*, 36, 185-222, 2020.

47. A. Ibañez and C. Velasco. 'Recursive Lower and Dual Upper Bounds for Bermudan-style Options', *European Journal of Operational Research*, 280, 730-740, 2020.

48. J.J. Dolado, H. Rachinger and C. Velasco. 'LM tests for joint breaks in the dynamics and level of a long-memory time series', *Journal of Business and Economic Statistics*, 40, 629-650, 2022.

49. I.N. Lobato and C. Velasco, 'Single step estimation of ARMA roots for nonfundamental nonstationary fractional models', *Econometrics Journal*, 25, 455-476, 2022.

50. Velasco, C., 'Estimation of time series models using residuals dependence measures,'*Annals of Statistics*, 50, 3039-3063, 2022.

51. Velasco, C., 'Identification and estimation of Structural VARMA models using higher order dynamics,'*Journal of Business and Economic Statistics*, forthcoming.

Chapters of Books and Comments

1. P.M. Robinson and C. Velasco. 'Autocorrelation-Robust Inference'. *Handbook of Statistics* 15 (Volumen in *Robust Inference*), G.S. Maddala and C.R. Rao eds., Amsterdam: North-Holland, 267-298, 1997.

2. C. Velasco. 'Semiparametric Estimation of Long-Memory Models'. *Palgrave Handbook of Econometrics*, Vol. 1. Econometric Theory, K. Patterson and T.C. Mills eds, Palgrave, MacMillan, 353-395, 2006.

3. C. Velasco. 'Comment on "A Review on Empirical Likelihood Methods for Regression" by Song Xi Chen and Ingrid Van Keilegom', *TEST*, 18, 455-457, 2009.

4. C. Velasco. 'Comment on "Subsampling weakly dependent time series and application to extremes"by P. Doukhan, S. Prohl and C.Y. Robert', *TEST*, 20, 480-482, 2011.

5. I. Kheifets and C. Velasco. 'Model Adequacy Checks for Discrete Choice Dynamic Models', in Recent Advances and Future Directions in Causality, Prediction, and Specification Analysis Essays in Honor of Halbert L. White Jr. Chen, Xiaohong; Swanson, Norman R. (Eds.), 2012.

6. C. Velasco. 'Comment on "Model-free model-fitting and predictive distributions"by D.N. Politis', *TEST*, 22, 237-239, 2013.

Other Research Works

1. 'El gasto de los hogares en medicina y productos farmacéuticos en la Comunidad de Madrid' [Household health and pharmaceutical expenditure in the Comunidad of Madrid], with J. Ruiz-Castillo, 2003. Consejería de Sanidad, Comunidad Autónoma de Madrid.

2. 'Tendencias Recientes de los Gastos en Sanidad de los Hogares Españoles', [Recent trends of the health expenditure of the Spanish households], with O. Cantó, C. del Río and J. Ruiz-Castillo, 2001. Consejería de Sanidad, Comunidad Autónoma de Madrid.

3. 'Semiparametric estimation of fractionally cointegrated time series', Revista de Estadística (Statistical Review), special issue for the 23rd Meeting of European Statisticians, 399-400, 2001.

4. ‘SIPREÓLICO. A Wind Power Prediction Tool for the Spanish Peninsular Power System Operation,’with J. Usaola, O. Ravelo, I. Sánchez, J. Domínguez, M.G. Lobo, F. Soto and G. González. *Proceedings of the European Wind Energy Conference*, Paris, 2002.
5. ‘SIPREÓLICO. A Wind Power Prediction System Based on Flexible Combination of Dynamic Models. Application to the Spanish Power System,’with J. Usaola, O. Ravelo, I. Sánchez, J. Domínguez, M.G. Lobo, F. Soto and G. González. *Proceedings of the World Wind Energy Conference and Exhibition*, Berlin, 2002.

SUPERVISION OF PhD THESIS AND DEGREE PROJECTS

- PhD Thesis: ”Essays on mixed-frequency and casuality analysis in the frequency domain”. Cleiton G. Taufemback, Universidad Carlos III de Madrid (2018).
- PhD Thesis: ”Essays on identification of linear rational expectations”. Mehdi H. Sanneh, Universidad Carlos III de Madrid (2017).
- PhD Thesis: ”Essays on Quantile Causality”. Victor Troster, Universidad Carlos III de Madrid (2015).
- PhD Thesis: ”Fractionally Integrated Panel Data Models”. Yunus Emre Ergemen, Universidad Carlos III de Madrid (2015).
- PhD Thesis ”Three Essays on Specification Testing.” Xuexin Wang, PhD in Economics, Universidad Carlos III (2012).
- PhD Thesis ”Deterministics, Initial Conditions and Breaks in Long Memory Time Series”. Heiko Rachinger, PhD in Economics, Universidad Carlos III (2012). Special Doctorate Award.
- PhD Thesis ”Specification Tests for Nonlinear Dynamic Models”. Igor Kheifets, PhD in Economics, Universidad Carlos III (2012). Special Doctorate Award.
- PhD Thesis ”Likelihood Analysis of Fractionally Cointegrated Systems”. Katarzyna Lasak, IDEA, Universitat Autónoma de Barcelona (2007).
- PhD Thesis ”Specification Tests for Econometric Models of Time Series”. Juan Carlos Escanciano, PhD in Economics, Universidad Carlos III (2004). Special Doctorate Award.
- MSc Project ”Modeling Persistence in the Volatility of Financial Time Series”. Michael Christodolou, MSc in Statistics, University of Oxford, 1997.
- Tutor of BSc Project ”Application of Cluster Methods to Costumer Classification in terms of the Charge Curve”. Adrian Herranz, Industrial Engineering, Universidad Carlos III, 2001.
- BSc Project ”Tasa de Escolarización en la Comunidad de Madrid”. A. Gómez and R. Taladriz. Statistics, Universidad Carlos III, 1998.
- BSc Project ”Análisis de las Universidades Americanas utilizando Modelos Logit”. F. Fernández, I. Frutos, J.C. Gómez and D. Martín. Statistics, Universidad Carlos III, 1999.

- PhD Thesis Committees: Laura Mayoral (UC3M, 2000); José Manuel Revuelta (UC3M, 2000); Maria Helena Veiga (UAB, 2004); Julius Moschitz (UAB, 2004); Marco Avarucci (Tor Vergata, 2007); Brindusa Anghel (UAB, 2007); Vanessa Berenguer (UC3M, 2011).

FUNDED RESEARCH PROJECTS

- "Migrations and Personal Income". Main Researcher: Luis M. Borge González (Universidad de Valladolid). Supported by CICYT, SEC 92-0235. 1992.
- "Econometric Time Series". Main Researcher: Peter M. Robinson (London School of Economics). Supported by the Economic and Social Research Council (ESRC), R000235892. 1994-97.
- "Empirical Processes, Smoothing Techniques and Resampling Methods for Specification and Validation of Econometric Models." Main Researcher: Miguel A. Delgado González (Universidad Carlos III). Supported by the Dirección General de Enseñanza Superior, PB95-0292. 1997-98.
- "Specification Testing of Econometric Models". Main Researcher: Miguel A. Delgado González (Universidad Carlos III). Supported by the Dirección General de Enseñanza Superior, PB98-0025. 1999-2001.
- "Recent Trends in Health Expenditures of Spanish Families". Main Researcher: Javier Ruiz-Castillo Ucelay (Universidad Carlos III). Supported by Consejería de Sanidad, Comunidad de Madrid, 2001.
- "Health Expenditures of Households in the Comunidad of Madrid, 1986-2000". Main Researcher: Javier Ruiz-Castillo Ucelay (Universidad Carlos III). Supported by Consejería de Sanidad, Comunidad de Madrid, 2003.
- "SIPREÓLICO. A Wind Prediction Tool for the Spanish Peninsular Power Operation". Main Researcher: Julio Usaola García (Universidad Carlos III). Supported by Red Eléctrica de España, 2001-02.
- "Robust Inference for Long Memory Time Series". Main Researcher: Carlos Velasco. Supported by Instituto Flores de Lemus de Estudios Avanzados en Economía, Univ. Carlos III, 2001-2002
- "Specification Testing of Econometric Models". Main Researcher: Miguel A. Delgado González (Universidad Carlos III). Supported by Dirección General de Enseñanza Superior, BEC2001-1270, 2002-2004.
- "ANEMOS. Development of a Next Generation Wind Resource Forecasting System for Optimal Integration of On-Shore and Off-Shore Wind Farms". Main Researcher: L. Kariniotakis and S. Leroy (ARMINES, France). Funded by UE (Energie 4-T2, 0J 2000/C303/II). 2002-2005.
- "Analysis of the Effects of the Wind Power on the Power Market". Main Researcher: Julio Usaola García (Universidad Carlos III). Supported by Red Eléctrica de España, 2002-03.
- "Specification Tests for Dynamic Models". Main Researcher: Carlos Velasco. Supported by Instituto Flores de Lemus de Estudios Avanzados en Economía, Univ. Carlos III, 2002-2003.
- "Tests for white noise". Main Researcher: Carlos Velasco. Supported by Instituto Flores de Lemus de Estudios Avanzados en Economía, Univ. Carlos III, 2003-2004.

- ”Contrastes de Especificación de Modelos Econométricos”. Main Researcher: Miguel A. Delgado González (Universidad Carlos III). Supported by Ministerio de Educación y Ciencia, SEJ2004-04583/ECON, 2005-2007.
- ”Asistencia a clase y rendimiento académico en estudiantes de Economía”. Main Researcher: Carlos Velasco. Supported by Ministerio de Educación y Ciencia, Programa de Mejora de la Calidad de la Enseñanza Superior, 2005-2007.
- ”Modelización Econométrica de la Política Monetaria”. Main Researcher: Carlos Velasco. Fundación Ramón Areces. 2007-2009.
- ”Contrastes de Especificación de Modelos Econométricos”. Main Researcher: Miguel A. Delgado González (Universidad Carlos III). Supported by Ministerio de Educación y Ciencia, SEJ2007-62908/ECON, 2007-2012.
- ”Modelos econométricos dinámicos: persistencia y especificación”. Main Researcher: Carlos Velasco. Ministerio de Economía y Competitividad. Ref. ECO2012-31748. 2013-2015.
- ”Modelos econométricos dinámicos: persistencia y especificación”. Main Researcher: Carlos Velasco. Ministerio de Economía y Competitividad. Ref. ECO2014-57007p. 2015-2017.
- MadEco-CM. Coordinator: Carlos Velasco. Consejería de Educación, Juventud y Deportes, Comunidad de Madrid. Ref. S2015/HUM-3444. 2016-2019.
- ’”Dynamic Econometric Methods: Persistence and Specification”. Main Researcher: Carlos Velasco. Ministerio de Economía y Competitividad. Ref. ECO2017-86009-P. 2018-2020.
- ”Dynamic Econometric Methods: Persistence and Specification”. Main Researcher: Carlos Velasco. Ministerio de Ciencia e Innovación. Ref. PID2020-114664GB-I00. 2021-2024.

GRADUATE COURSES

- Econometrics II, Master in Economic Analysis, Universidad Carlos III (2010/11, 2011/12, 2012/13, 2013/14, 2014/15, 2015/16, 2018/19, 2020/21, 2021/22).
- Econometrics I, Master in Economic Analysis, Universidad Carlos III (2016/17, 2017/18).
- Asymptotic Theory for Econometrics. University of the Basque Country (2006).
- Time Series. International Doctorate in Economic Analysis. Universitat Autònoma de Barcelona (2003-2005).
- Econometrics. International Doctorate in Economic Analysis. Universitat Autònoma de Barcelona (2004).
- Long Memory Time Series. PhD in Economics. Universidad Carlos III de Madrid (2005).
- Econometrics II, PhD in Economics, Universidad Carlos III (2002/03, 2003/04, 2004/05).
- Econometrics I, PhD in Economics, Universidad Carlos III (2000/01, 2001/02).
- Time Series, MSc in Statistics, University of Oxford (1996/97, 1997/98).
- Sampling and Surveys, MSc in Statistics, University of Oxford (1996/97, 1997/98).

- Stochastic Processes, MSc in Statistics, University of Oxford (1996/97).

CONFERENCES AND INVITED SEMINARS

- Econometric Society European Meeting, Berlin, 1998.
- Rencontre Franco-Belge de Statisticiens, "Théorèmes limites et longue mémoire en statistiques", Marseille, 1998.
- Econometric Society European Meeting, Santiago de Compostela, 1999.
- Cowles Foundation Conference on New Developments in Time Series Econometrics, University of Yale, 1999.
- Workshop on Nonparametric, Semiparametric and Resampling Methods, Universidad Carlos III de Madrid, 2000.
- European Meeting of Statisticians, Funchal, Portugal, 2001.
- X Seminario sobre Especificación y Validación de Modelos Econométricos, Zaragoza, 2001.
- 2^o Taller de Econometría y Series Temporales, University of Basque Country, Bilbao, 2001.
- Econometric Society European Meeting, Venice, 2002.
- 13th EC^2 meeting on Model Selection and Evaluation, Bologna, 2002.
- Econometric Society European Meeting, Madrid, 2004.
- NSF-NBER Time Series Meeting, Heidelberg, 2005.
- ESF Workshop on Specification Testing, Santander, 2005.
- Cowles Foundation 75th Anniversary Conference, A New Generation of Econometricians, University of Yale, 2007.
- Econometric Society European Meeting, Budapest, 2007.
- Econometric Society European Meeting, Milan, 2008.
- NSF-NBER Time Series Meeting, Aarhus, 2008.
- Third CIREQ Time Series conference, Montreal (Canada), 2009.
- SETA Econometrics Conference, University of Kioto (Japan), 2009.
- Far East And South Asia Econometric Society Meeting, University of Tokio (Japan), 2009.
- European Economic Association Meeting, Universitat Autònoma de Barcelona-Universitat Pompeu Fabra, 2009.
- Workshop in Time Series Analysis, Zaragoza, 2010.
- IWAP 2010, International Workshop on Applied Probability, Universidad Carlos III de Madrid, 2010.

- EMS 2010, 28th European Meeting of Statisticians, University of Piraeus, Greece, 2010.
- Long Memory CREATES Conference, Aarhus, 2011,
- Econometric Society European Meeting, Oslo, 2011.
- Workshop in Time Series Analysis, Zaragoza, 2012.
- Recent Advances in Time Series, Cyprus, 2012.
  I.N. Lobato and C. Velasco: Consistent and efficient inference for possibly noninvertible linear processes.
- 8th World Congress in Probability and Statistics, Istanbul, 2012.
  I.N. Lobato and C. Velasco: Consistent and efficient inference for possibly noninvertible linear processes.
- Econometric Society European Meeting, Málaga, 2012.
  S. Moon and C. Velasco: On the properties of regression tests of asset return predictability.
- Goodness-of-fit days, Sevilla, November 2012.
  I. Kheifets and C. Velasco: Specification tests for dynamic discrete models.
- CFE-ERCIM, Oviedo, December 2012.
  M. Delgado and C. Velasco: An asymptotically pivotal transform of the residuals sample autocorrelations with application to model checking
- Humboldt & Copenhagen Conference on Financial Econometrics, Berlin, May 2013.
  C. Velasco and X. Wang: A Joint Portmanteau Test for Conditional Mean and Variance Time Series Models.
- Long Memory CREATES Conference, Aarhus, October 2013.
  Y.E. Ergemen and C. Velasco: Estimation of Fractionally Integrated Panels with Fixed Effects and Cross-Section Dependence.
- Econometric Society European Meeting, Gothemburg, August 2013.
  I.N. Lobato and C. Velasco: Identification and Estimation of General ARMA models.
- CFE-ERCIM, London, December 2013.
  I.N. Lobato and C. Velasco: Identification and Estimation of General ARMA models.
- Workshop in Time Series Analysis, Zaragoza, April 2014.
  K. Lasak and C. Velasco: Fractional cointegration rank estimation.
- Econometric Society European Meeting, Toulouse, August 2014.
  C. Velasco and X. Wang: A Joint Portmanteau Test for Conditional Mean and Variance Time Series Models.
- Workshop in Time Series Econometrics, Zaragoza, April 2015
  Seongman Moon and C. Velasco: Variance Ratio Tests for Panels with Cross Section Dependence
- Frankfurt Workshop on Long Memory and Nonstationary Time Series, Frankfurt, May 2015
  P.M. Robinson and C. Velasco: Bias-Free Estimation of Fractional Integrated Panel Data Models
- World Congress of the Econometric Society, Montreal, August 2015 (accepted)
  Seongman Moon and C. Velasco: Variance Ratio Tests for Panels with Cross Section Dependence

- European Economic Association Annual Meeting, Mannheim, August 2015
  Seongman Moon and C. Velasco: Variance Ratio Tests for Panels with Cross Section Dependence
- NSF-NBER Time Series Conference, Vienna, September 2015
  I. Lobato and C. Velasco: Consistent and efficient estimation of linear time series models
- CREATES Long Memory Time Series Conference, Aarhus, October 2015
  P.M. Robinson and C. Velasco: Bias free estimation of fractionally integrated panel data models
- 9th International Conference on Computational and Financial Econometrics (CFE 2015), London, December, 2015
  P.M. Robinson and C. Velasco: Bias-Free Estimation of Fractional Integrated Panel Data Models
- Workshop in Econometrics Time Series, Zaragoza, April 2016
  P.M. Robinson and C. Velasco: Inference on Trending Panel Data.
- Asian Meeting of the Econometric Society, Kyoto, August 2016
  P.M. Robinson and C. Velasco: Inference on Trending Panel Data.
- Econometric Society European Meeting, Geneve, August 2016
  P.M. Robinson and C. Velasco: Inference on Trending Panel Data.
- CFE-ERCIM, Sevilla, December 2016
  I.N. Lobato and C. Velasco: Frequency Domain Minimum Distance Estimation of Possibly Noninvertible and Noncausal ARMA models.
- Workshop in Econometrics Time Series, Zaragoza, April 2017
  I. Kheifets and C. Velasco: Specification tests for dynamic discrete models.
- Workshop on New Methods for the Empirical Analysis of Financial Markets, Comillas, June 2017.
  P.M. Robinson and C. Velasco: Inference on Trending Panel Data.
- 11th International Conference on Computational and Financial Econometrics (CFE 2017), London, December, 2017
  P.M. Robinson and C. Velasco: Estimation for Dynamic Panel Data with Individual Effects
- Workshop in Econometrics Time Series, Zaragoza, April 2018
  C. Velasco: Identification of possibly nonfundamental VARMA models using higher order moments
- Econometric Society European Meeting, Cologne, August 2018
  Y.E. Ergemen and C. Velasco: Persistence Heterogeneity Testing in Panels with Interactive Fixed Effects
- Waseda International Symposium, Tokyo, October 2018
  C. Velasco: Identification of possibly nonfundamental VARMA models using higher order moments
- Various Studies of Statistical Analysis for Asymptotic Theory, Circular or Time Series, Nagoya, October 2018
  JJ. Dolado, H. Rachinger and C. Velasco: LM tests for joint breaks in the dynamics and level of long-memory time series
- Simposio Análisis Económico, Asociación Espanola de Economía, Madrid, 2018
  Y.E. Ergemen and C. Velasco: Persistence Heterogeneity Testing in Panels with Interactive Fixed Effects

- 9th Workshop in Econometrics Time Series, Zaragoza, April 2019
  Y.E. Ergemen and C. Velasco: Persistence Heterogeneity Testing in Panels with Interactive Fixed Effects
- 20th EC2 Conference on Identification in Macroeconomics, Oxford, 2019.
  C. Velasco: Identification of possibly nonfundamental VARMA models using higher order moments
- 13th International Conference on Computational and Financial Econometrics (CFE), London, December, 2019
  C. Velasco: Identification of possibly nonfundamental VARMA models using higher order moments
- QRFE Workshop on Financial Econometrics, Durham University, June 2020
  F.J. Hidalgo and C. Velasco: Specification Testing of Linear Time Series Models
- 11th Workshop in Econometrics Time Series, Zaragoza, April 2021
  Hidalgo, J. and Velasco, C., Specification Testing of Linear Time Series Models
- Annual Conference International Association of Applied Econometrics, July 2021
  C. Velasco: Estimation of time series models using the characteristic function
- Econometric Society European Meeting, August 2021
  F.J. Hidalgo and C. Velasco: Specification Testing of Linear Time Series Models
- CFE-CMStatistics Conference, London, December 2021
  I.N. Lobato and C. Velasco: Single step Estimation of ARMA roots for Non-fundamental Nonstationary Fractional Models
- 11th Workshop in Econometrics Time Series, Zaragoza, April 2022
  Velasco, C., Identification of Nonlinear Time Series Models
- CFE-CMStatistics Conference, London, December 2022
  W. Jin and C. Velasco: Directional Predictability Tests

RECEPTION OF RESEARCHERS

- Marco Avarucci, University ”Tor Vergata”, Rome (February 2005-December 2005).
- Ignacio N. Lobato, ITAM, Mexico (Sabbaticals 2005-2006, 2012, 2018).

HONOURS, SCHOLARSHIPS AND FELLOWSHIPS

- Fellow of the *Journal of Econometrics*, 2010.
- *Econometric Theory* Multa Scripsit Award, 2011.
- *Journal of Time Series Analysis* Distinguished Author, 2020.
- Excellence Award to Young Researchers, Universidad Carlos III de Madrid (2009 and 2011).
- 21th position in Ranking of individuals by theoretical econometrics publications based on standardized page counts, 2000-2005; and 31th in Ranking of individuals by all econometrics publications, 2000-2005, in B.H. Baltagi, *Worldwide Econometrics Rankings: 1989-2005*, 2007.

- Special Remuneration Complement by Research, Teaching and Administrative Merits, Universidad Carlos III de Madrid (2002-03 & 2003-04).
- Research Evaluation (Sexenio Investigación Economía: 1991-2000, 2001-2006, 2007-2012, 2013-2018).
- Teaching Evaluation (Quinquenio Docencia), Universidad Carlos III de Madrid (08/10/1991-05/07/2001, 06/07/2001-05/07/2006, 06/07/2006-05/07/2011, 06/07/2011-05/07/2016).
- Research fellowships funded by Instituto Flores de Lemus de Estudios Avanzados en Economía, Universidad Carlos III de Madrid (2001, 2002, 2003).
- Scholarship for Studies in Economics of the "Fundación Ramón Areces" (Spain) for the completion of the doctoral thesis at the London School of Economics (October 1994 - September 1996).
- Scholarship of "Plan de Formación de Profesorado Universitario" [Plan for the Education of University Teachers] of the Spanish Ministry of Education and Science, at the Department of Applied Economics - Statistics and Econometrics, Universidad de Valladolid (January 1992 - September 1994).
- Distinction to the Best Academic Record, BSc Economics 1986-91, Universidad de Valladolid (1992).

PROFESSIONAL ACTIVITIES

- Associate Editor *Journal of Time Series Analysis* (Wiley, 2013-).
- Associate Editor *Econometric Theory* (Cambridge, 2012-).
- Associate Editor *TEST* (Springer, 2009-).
- Associate Editor *Journal of Time Series Econometrics* (de Gruyter, 2007-).
- Associate Editor *Spanish Economic Review* (Springer, 2004-2006).
- Member of the Econometrics and Empirical Economics (EEE) Program Committee of the Econometric Society European Meetings (ESEM), 2004, 2006, 2007, 2008, 2009, 2011, 2012, 2013, 2014, 2016.
- Member of the Econometrics and Empirical Economics Program Committee for the Latin American Meeting of the Econometric Society (LAMES), 2006.
- Member of the Program Committee for the Simposio de Análisis Económico, 2006, 2007.
- Anonymous Referee for the following publications:
  Econometrica, American Economic Review, Journal of Econometrics, Econometric Theory, Econometrics Journal, Economic Letters, Statistics and Probability Letters, Investigaciones Económicas, Annals of Statistics, International Journal of Forecasting, Journal of Time Series Analysis, Review of Economic Studies, Statistical Inference for Stochastic Processes, Stochastic, Computational and Statistical Data Analysis, Stochastic Processes and their Applications, Bernoulli, Journal of Water Resources Research, The Manchester School, Estadística, Test, Communications in Statistics, Journal of Computational Finance.

- Member of the Econometric Society (since 1998).

ADMINISTRATIVE ACTIVITIES

- Director, Instituto Universitario de Economía, Universidad Carlos III de Madrid (2017-2022).
- Chairman, Economics Department, Universidad Carlos III de Madrid (2015-2017).
- Vice-Chairman & Placement Officer, Economics Department, Universidad Carlos III de Madrid (2012-2015).
- Junior Recruitment, Economics Department, Universidad Carlos III de Madrid (2014-2015).
- Director of Graduate Studies in Economics, Universidad Carlos III de Madrid (2007-2009).
- Member, Academic Committee of Master in Economic Analysis and PhD in Economics, Universidad Carlos III de Madrid (2010-2018).
- Member, ”Instituto Universitario de Economía”, Universidad Carlos III de Madrid (2005-).
- Member, General Assembly, Universidad Carlos III de Madrid (2002-2005, 2018-).
- Member, Consejo de Gobierno, Universidad Carlos III de Madrid (2015-2017, 2022-).
- Member, Self-Assessment Committee of the Department of Statistics and Econometrics, Universidad Carlos III de Madrid (2002).
- Information Technologies Coordinator, Department of Statistics and Econometrics, Universidad Carlos III de Madrid (1999-2001).

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