

VITA

ISABELLE M. PERRIGNE

PERSONAL

Citizenship: U.S., French
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EDUCATION

B.S., Economics, Université de Toulouse, France, 1984.
M.S., Econometrics, Université de Toulouse, France, 1985.
Ph.D., Economics, Ecole des Hautes Etudes en Sciences Sociales and Université de Toulouse, France, 1991.

DISSERTATION

“Production Economics and Panel Data: An Application to French Grain Producers,”
Chairman: Jean-Pierre Florens.

POSITIONS HELD

Chargée de Recherche, INRA, Toulouse, France, 1991-1998.
Assistant Professor, University of Southern California, 1997-2003.
Associate Professor, University of Southern California, 2003-2004.
Associate Professor, Pennsylvania State University, 2003-2012.
Visiting Associate Professor, University of California Los Angeles, 2007-2008.
Visiting Scholar, Cowles Foundation, Yale University, September 2008.
Professor, Rice University, 2012-present.
Research Affiliate, CRATE, New York University, 2012-present.
Visiting Faculty, University College London, October 2013.
Visiting Faculty, ENSAE-CREST Paris, November 2014.
Visiting Professor, New York University, 2015-2016.

HONORS, GRANTS

Graduate Fellowship, Ministère de la Recherche et de l’Agriculture, France, 1987-1991.

Arnold Zellner Award, *Journal of Econometrics*, 2003.

INRA, Comité Scientifique du Département, 1991, 1992, 1994.

CCRDT, Région Midi-Pyrénées, 1994-1995.

CCRDT, Région Midi-Pyrénées, 1996-1997.

SC2, University of Southern California, 1998.

HP Laboratories, Solution & Services Technologies Center, 2001, 2002.

National Science Foundation, SES-0452154, June 2005-June 2009, Econometrics of Auctions and Regulation.

National Science Foundation, SES-1148149, June 2012-June 2017, Econometrics of Asymmetric Information Models with Applications to Nonlinear Pricing, Insurance and Compensation.

TEACHING EXPERIENCE

Statistics (U), Econometrics (U), Economics of Law and Regulation (U), Industrial Organization (U), Intermediate Microeconomics (U), Empirical Methods for Industrial Organization (U), Applied Econometrics (G), Applied Microeconometrics (G), Empirical Industrial Organization (G), Empirical Analysis of Auctions and Contracts (G), Research Methods (G).

OTHER EXPERIENCE

Administrative Positions:

Managing Director, Center for Research in Applied and Theoretical Econometrics, NYU, 2015-present.

Member, Graduate Honor Council, Rice University, 2017-present.

Member, Graduate Studies Committee, Rice University, 2014-2015, 2016-2017.

Co-Director, Center on Auctions, Procurements and Competition Policy, PSU, 2005-2012.

Chair, Policy, Evaluation and Planning Committee, PSU, 2004-2006.

Chair, Recruiting Committee, PSU, 2003-2004, 2005-2007.

Member, Advisory Board, PSU, 2004-2007.

Director of Graduate Studies, USC, 1999-2002.

Member, Recruiting Committee, USC, 1997-2001, PSU, 2008-2009.

Chair and Member, Computer Committee, USC, 1998-2000.

Chair and Member, Admission and TA Guidance Committee, USC, 1997-2003.

Member, Curriculum Committee, USC, 1999-2003.

Chair and Member, Placement Committee, USC, 1999-2003.

Member, Executive Committee, USC, 1999-2000.

Other Positions:

Panel Member, Mathematical Social and Behavioral Sciences, National Science Foundation, 2005, 2006.

Panel Member, Methodology, Measurement and Statistics, National Science Foundation, 2012.

Dissertation Chair: Tong Li (1997, Department of Economics, University of Indiana), Jeonghoon Ahn (2000, School of Pharmacy, USC), Sandra Campo (2002, Department of Economics, University of North Carolina Chapel Hill), Kitty Chan (2002, Market Structure Division, USDA), Jingfeng Lu (2004, Department of Economics, National University of Singapore), Yao Huang (2010), Gaurab Aryal (2010, Department of Economics, Australian National University), Yao Luo (2013, Department of Economics, University of Toronto), Yunmi Kong (2016, Department of Economics, Rice University), Weichen Yan (2019, Amazon).

Dissertation Committee Member: Steve Conroy (1998), Deva Deka (1999), Shailender Swaminathan (1999), John Worth (2000), Siyan Wang (2001), Lance Howe (2002), Surajeet Chakraverty (2002), Cathy Karnchanasai (2003), Bharat Bhole (2003), Falan Guan (2003), Ayse Pehlivan (2011), Paul Liu (2013), Tobias Salz (2016), Kelly Neill (in progress), Amyha Amani (in progress).

PROFESSIONAL ACTIVITIES

Referee for: *American Economic Review*, *Cahiers d'Economie et Sociologie Rurale*, *Comparative Economic Studies*, *Econometrica*, *Econometrics Journal*, *Economics Letters*, *Energy Economics*, *Environmental and Resource Economics*, *European Review of Agricultural Economics*, *Games and Economic Behavior*, *International Economic Review*, *International Journal of Industrial Organization*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Conflict Resolution*, *Journal of Development Economics*, *Journal of Econometrics*, *Journal of Economic Literature*, *Journal of Economics and Management Strategy*, *Journal of Economic Behavior and Organization*, *Journal of Forest Economics*, *Journal of Nonparametric Statistics*, *Journal of Political Economy*, *Journal of Public Economics*, *Journal of Sustainable Forestry*, *Quantitative Economics*, *Quarterly Journal of Economics*, *Rand Journal of Economics*, *Resource and Energy Economics*, *Review of Economics and Statistics*, *Review of Economic Studies*,

Review of Industrial Organization, Scandinavian Journal of Economics, Singapore Economic Review, The Economic Journal, National Science Foundation, US-Israel Binational Science Foundation.

Coorganizer, Camp Econometrics, Los Angeles, May 1998.

Member, Program Committee, European Meeting of the Econometric Society, August 2004.

Coorganizer, Stanford Institute for Theoretical Economics, Palo Alto, July 2007.

Member, Program Committee, Conference on Auctions, CAPCP, April 2008.

Chair, Program Committee, Conference in Industrial Organization, CAPCP, March 2009.

Chair, Program Committee, Conference in Industrial Organization, CAPCP, April 2010.

Chair, Program Committee, Conference in Industrial Organization, CAPCP, April 2011.

Member, Program Committee, North American Summer Meeting of the Econometric Society, June 2013.

Member, Program Committee, Southern Economic Association, November 2013.

Coorganizer, Conference in Honor of Marc Nerlove, Washington DC, May 2014.

Coorganizer, Conference Econometrics Meets Theory I, CRATE, New York, April 2017.

Member, Program Committee, North American Summer Meeting of the Econometric Society, June 2018.

PRESENTATIONS AT SEMINARS AND CONFERENCES

Seminars: Université des Sciences Sociales – Toulouse, University of Southern California, University of California – Berkeley, University of California – Davis, University of California – Los Angeles, University of California – Riverside, University of California – San Diego, University of California – Santa Barbara, University of Tunis, University of Michigan, University College London, Oxford University, Cambridge University, Malinvaud Seminar Paris, University of Rochester, University of Pittsburgh, Pennsylvania State University, Cornell University, Ohio State University, University of Pennsylvania, Columbia University, Duke University, New York University, University of Maryland, University of Arizona, University of British Columbia, Simon Fraser University, Paris School of Economics, California Institute of Technology, Yale University, Carnegie-Mellon University, Massachusetts Institute of Technology, University of Fortaleza, Rice University, Stanford University, Institut des Etudes Politiques de Paris, University of Wisconsin–Madison, London School of Economics, University of Washington–Seattle, Ecole Polytechnique, Washington University – St Louis, Yeshiva University, University of Toronto,

Yonsei University, Einaudi Institute for Economics and Finance, Princeton University.

Conferences:

Deuxièmes Journées des Jeunes Economètres, Toulouse, France, April 1991.

Econometric Society European Meeting, Cambridge, England, August 1991.

ASSET Meeting, Athens, Greece, November 1991.

Econometric Society European Meeting, Brussels, Belgium, August 1992.

Journées de Microéconomie Appliquée, Sfax, Tunisia, June 1993.

Econometric Society Far Eastern Meeting, Taipei, Taiwan, June 1993.

Econometric Society World Congress, Tokyo, Japan, August 1995.

European Economic Association Meeting, Istanbul, Turkey, August 1996.

Econometric Society North American Winter Meeting, New Orleans, USA, January 1997.

Econometric Society Summer Meeting, Pasadena, USA, June 1997.

Econometric Society European Meeting, Toulouse, France, August 1997.

Econometric Society North American Winter Meeting, Chicago, USA, January 1998.

Econometric Society North American Winter Meeting, New York, USA, January 1999.

Econometric Society Far Eastern Meeting, Singapore, July 1999.

Econometric Society North American Winter Meeting, Boston, USA, January 2000.

Cowles Conference on the Econometrics of Strategy and Decision Making, Yale University, USA, May 2000.

Tow Conference on Applied Research on Auction and Mechanism Design, University of Iowa, USA, May 2000.

SITE Meeting, Stanford University, USA, June 2000.

Econometric Society World Congress, Seattle, USA, August 2000.

Econometric Society North American Winter Meeting, New Orleans, USA, January 2001.

Econometric Society North American Winter Meeting, Atlanta, USA, January 2002.

SITE Meeting, Stanford University, USA, July 2002.

Econometric Society North American Winter Meeting, Philadelphia, USA, January 2005.

SITE Meeting, Stanford University, USA, August 2005.

American Economic Association Annual Meeting, Boston, USA, January 2006.

International Industrial Organization Conference, Boston, USA, April 2006.

Conference on the Econometrics of Auctions, Toulouse, France, May 2006.

American Economic Association Annual Meeting, Chicago, USA, January 2007.

Invited Lecture, 24th Annual Meeting Society for Political Methodology, University Park, USA, July 2007.

Cowles Conference on Methods and Policy Applications in Structural Microeconomics, Yale University, USA, June 2008.

SITE Meeting, Stanford University, USA, July 2008.

Econometric Society European Meeting, Milan, Italy, August 2008.

Econometric Society Latin American Meeting, Rio de Janeiro, Brazil, November 2008.

IDEI Workshop on the Econometrics of Industrial Organization, Toulouse, France, December 2008.

Econometric Society Asian Meeting, Seoul, Korea, August 2011.

SITE Meeting, Stanford University, USA, July 2012.

Econometric Society European Meeting, Gothenburg, Sweden, August 2013.

Econometric Society Summer Meeting, Minneapolis, USA, June 2014.

Conference the Econometrics of Auctions and Contracts, Maison des Sciences Economiques, Paris, France, November 2015.

EDITED VOLUME

1. *Studies in Estimation and Testing, Journal of Econometrics*, with C. Hsiao, 103 (1/2), 2001.

PUBLICATIONS

1. "Productive Efficiency of French Grain Producers: A Latent Variable Model," with M. Ivaldi and M. Simioni. *Journal of Productivity Analysis* (1994), 5, 287-299.
2. "Economies d'Echelle dans la Production Céréalière: Une Approche Nonparamétrique," with M. Simioni. *Cahiers d'Economie Rurale*, (1994), 31, 105-124.
3. "Frontière de Production et Données de Panel: Application aux Exploitations Céréalières," *Cahiers d'Economie Rurale*, (1995), 36, 79-94.
4. "Share Versus Quota Contracts: The Case of Chinese Township Village Enterprises," with C. Hsiao, J. Nugent and J. Qiu, *Journal of Comparative Economics*, (1998), 26, 317-337.
5. "Competition, Incentives and Productivity in Chinese Township Village Enterprises," with J. Nugent and J. Qiu, *Pacific Economic Review*, (1999), 4, 91-114. (lead article)

6. "Structural Econometrics of First-Price Auctions: A Survey of Methods," with Q. Vuong, *Canadian Journal of Agricultural Economics*, (1999), 47, 203-223. (lead article)
7. "Optimal Nonparametric Estimation of First-Price Auctions," with E. Guerre and Q. Vuong, *Econometrica*, (2000), 68, 525-574.(lead article)
8. "Conditionally Independent Private Information in OCS Wildcat Auctions," with T. Li and Q. Vuong, *Journal of Econometrics*, (2000), 98, 129-161. (won the Arnold Zellner Award)
9. "Structural Estimation of the Affiliated Private Value Model," with T. Li and Q. Vuong, *Rand Journal of Economics*, (2002), 33, 171-193. (lead article)
10. "Asymmetry in First-Price Auctions with Affiliated Private Values," with S. Campo and Q. Vuong, *Journal of Applied Econometrics*, (2003), 18, 179-207.
11. "Timber Sale Auctions with a Random Reserve Price," with T. Li, *Review of Economics and Statistics*, (2003), 85, 189-200.
12. "Semiparametric Estimation of the Optimal Reserve Price in First-Price Auctions," with T. Li and Q. Vuong, *Journal of Business and Economic Statistics*, (2003), 21, 53-64.
13. "Regulation Under Asymmetric Information in Water Utilities," with I. Brocas and K. Chan, *American Economic Review, Papers and Proceedings*, (2006), 96, 62-66.
14. "Asymmetry in Procurement Auctions: Some Evidence from Snow Removal Contracts," with V. Flambard, *The Economic Journal*, (2006), 116, 1014-1036.
15. "Fostering Participation," with G. Albano, N. Dimitri and G. Piga, in *Handbook of Procurement*, N. Dimitri, G. Piga and G. Spagnolo, eds., Cambridge University Press, (2006).
16. "Identification and Estimation of Bidders' Risk Aversion in First-Price Auctions," with Q. Vuong, *American Economic Review, Papers and Proceedings*, (2007), 97, 444-448.
17. "Auctions: Empirics," with Q. Vuong, in *The New Palgrave Dictionary of Economics, Second Edition*, S. Durlauf and L. Blume, eds., Palgrave MacMillan, (2008).

18. “Estimating Risk Aversion from Ascending and Sealed-Bid Auctions: The Case of Timber Auction Data,” with J.Lu, *Journal of Applied Econometrics*, (2008), 21, 1221-1247. (lead article)
19. “Nonparametric Identification of Risk Aversion in First-Price Sealed-Bid Auctions Under Exclusion Restrictions,” with E. Guerre and Q. Vuong, *Econometrica*, (2009), 77, 1193-1227.
 “Supplement to ‘Nonparametric Identification of Risk Aversion in First-Price Sealed-Bid Auctions Under Exclusion Restrictions’,” with E. Guerre and Q. Vuong, *Econometrica Supplemental Material*, 77, http://www.econometricsociety.org/ecta/Supmat/7028_proofs.pdf.
20. “Semiparametric Estimation of First-Price Auctions with Risk Averse Bidders,” with S. Campo, E. Guerre and Q. Vuong, *Review of Economic Studies*, (2011), 78, 112-147.
 “Supplement to ‘Semiparametric Estimation of First-Price Auctions with Risk Averse Bidders’,” with S. Campo, E. Guerre and Q. Vuong, *Review of Economic Studies Supplemental Material*, 78, http://www.restud.oxfordjournals.org/content/suppl/2011/01/25/rdq001.DC1/Rdq001_MS11799-2_Website_Appendix.pdf.
21. “Nonparametric Identification of a Contract Model with Adverse Selection and Moral Hazard,” with Q. Vuong, *Econometrica*, (2011), 79, 1499-1539.
 “Supplement to ‘Nonparametric Identification of a Contract Model with Adverse Selection and Moral Hazard’,” with Q. Vuong, *Econometrica Supplemental Material*, 79, http://www.econometricsociety.org/ecta/Supmat/6954_proofs.pdf.
22. “On the Identification of the Procurement Model,” with Q. Vuong, *Economics Letters*, (2012), 114, 9-11.
23. “Auctions with Ex Post Uncertainty,” with Y. Luo and Q. Vuong, *Rand Journal of Economics*, (2018), 49, 574-593.
24. “Structural Analysis of Nonlinear Pricing,” with Y. Luo and Q. Vuong, *Journal of Political Economy*, (2018), 126, 2523-2568.
 “Supplement to ‘Structural Analysis of Nonlinear Pricing’,” with Y. Luo and Q. Vuong, *Journal of Political Economy Supplemental Material*, 126, <http://www.journals.uchicago.edu/doi/suppl/10.1086/699978>

25. “Econometrics of Auctions and Nonlinear Pricing,” with Q. Vuong, *Annual Review of Economics*, (2019), 11, 27-54.
26. “Econometrics of Scoring Auctions,” with J.J. Laffont, M. Simioni and Q. Vuong, *Advances in Econometrics*, (2020), 41, 285-320.

Others

1. “Editors’ Introduction,” with C. Hsiao, *Journal of Econometrics, Special Issue, Studies in Estimation and Testing*, (2001), 103 (1/2), 1-4.
2. Book Review “An Introduction to the Structural Econometrics of Auction Data,” by H. Paarsch and H. Hong, *Journal of Economic Literature*, (2007), XLV, 748-753.
3. Book Review “An Introduction to the Structural Econometrics of Auction Data,” by H. Paarsch and H. Hong, *Journal of Applied Econometrics*, (2010), 25, 1215-1222.

PAPERS SUBMITTED FOR PUBLICATION

1. “Identification of Insurance Models with Multidimensional Screening,” with G. Aryal and Q. Vuong, under revision, *Quantitative Economics*.
2. “Multidimensional Auctions of Contracts: An Empirical Analysis,” with Y. Kong and Q. Vuong, under revision, *American Economic Review*.
3. “Empirical Auctions,” with A. Hortacsu, under revision, *Handbook of Industrial Organization, Volume III*.

WORKING PAPERS

1. “Kernel Estimation of a Multiproduct Cost Function and Cost Scale Economies,” with M. Simioni, WP 9111, INRA, Toulouse, 1991.
2. “Incentive Regulatory Contracts in Public Transportation: An Empirical Study,” Working Paper, University of Southern California.
3. “Politics and Regulation: The Case of Public Transit,” with S. Surana, Working Paper, Pennsylvania State University.

4. "Random Reserve Prices and Risk Aversion in Timber Sale Auctions," Working Paper, Pennsylvania State University.

PAPERS IN PROGRESS

1. "Multiproduct Nonlinear Pricing in Mobile Phone Service," with Y. Luo and Q. Vuong
2. "Nonidentification of Insurance Models with Probability of Accident," with G. Aryal and Q. Vuong
3. "Estimating Models of Entry and Differentiated Products," with Q. Vuong and W. Yan.
4. "Cost Uncertainty in Procurement Auctions," with Y. Luo and Q. Vuong.
5. "Econometric Methods for Auctions," with Q. Vuong, in preparation for the new *Handbook of Econometrics, Volume VII*

OTHER CURRENT RESEARCH

1. Network Effects in Advertising
2. Structural Testing of Adverse Selection

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