

January, 2012

## **CURRICULUM VITAE**

### **TONG LI**

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Vanderbilt University  
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#### **CURRENT POSITION:**

Gertrude Conaway Vanderbilt Professor of Economics, Vanderbilt University, January, 2011 - Present.

#### **ACADEMIC POSITIONS HELD:**

Chair, Department of Economics, Vanderbilt University, 2008 - 2011.

Professor of Economics, Vanderbilt University, 2005 - December, 2010.

Associate Professor of Economics, Indiana University, Bloomington, 2003 - 2005.

Assistant Professor of Economics, Indiana University, Bloomington, 1999 - 2003.

Assistant Professor of Economics, Washington State University, 1997 - 1999.

#### **VISITING POSITIONS HELD:**

Goh Keng Swee Visiting Professor, National University of Singapore, February, 2012.

Visiting Scholar, Federal Reserve Bank, New York, November, 2011.

Distinguished Visiting Professor, National University of Singapore, September - October, 2011.

Visiting Professor, Cowles Foundation, Yale University, March, 2011.

Visiting Professor, Cowles Foundation, Yale University, April, 2007.

Visiting Scholar, Chinese Academy of Social Sciences, February, 2007.

Visiting Professor, Center for Applied Economics and Policy Research, Indiana University, November, 2006.

Visiting Professor, Centre for Microdata Methods and Practice, University College London, UK, May, 2006.

Visiting Scholar, INRA and IDEI, Toulouse, France, September - November, 1996.

### **EDUCATION:**

Ph.D. in Economics, 1997, University of Southern California.

Ph.D. in Mathematics, 1993, University of California, San Diego.

B.S. in Mathematics, 1988, University of Science and Technology of China.

### **RESEARCH GRANTS:**

National Science Foundation Grant, SES-0922109, 2009 - 2011, PI.

National Science Foundation Grant, SES-0001663, 2000 - 2002, PI.

American Statistical Association Committee on Law and Justice Statistics Grant for Analysis of Data from Bureau of Justice Statistics, 2000 - 2001, Co-PI (with P.K. Trivedi).

### **HONORS:**

Visiting Fellowship for Distinguished Scholars, National University of Singapore, September - October, 2011.

Gertrude Conaway Vanderbilt Chair in Social and Natural Sciences, Vanderbilt University, January, 2011 - Present.

Fellow, *Journal of Econometrics*, 2010 - Present.

Marquis Who's Who in the World, 2010.

Distinguished Economics and Management Alumni Lecture Series, University of Science and Technology of China, 2009.

Marquis Who's Who in America, 2008.

Winner of the Arnold Zellner Award of *Journal of Econometrics* for the Best Theory Paper Published in 2000 and 2001 for the Paper "Conditionally Independent Private Information in OCS Wildcat Auctions" (Joint with I. Perrigne and Q. Vuong), 2003.

The Zellner Award Honorable Mention by the American Statistical Association for the Best Ph.D. Thesis in Business and Economic Statistics, 1998.

Washington State University Academic Enrichment and Career Development Award, 1998.

Regents Fellowship, University of California, San Diego, 1990.

Guo Moruo Award (for the Best Undergraduate Student in Mathematics), University of Science and Technology of China, 1988.

#### **EDITORIAL BOARDS:**

Associate Editor, *Journal of Econometrics*, 2004 - Present.

Associate Editor and Charter Member, *Journal of Econometric Methods*, 2010 - Present.

Associate Editor, *Journal of Applied Econometrics*, 2011 - Present.

Associate Editor, *Journal of Economic Behavior and Organization*, 2012 - Present.

#### **PROFESSIONAL ACTIVITIES:**

Referees: *American Economic Review*, *Annals of Applied Statistics*, *Canadian Journal of Statistics*, *Econometrica*, *Econometrics Journal*, *Econometric Reviews*, *Econometric Theory*, *Economics Letters*, *International Economic Review*, *International Journal of Industrial Organization*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Econometrics*, *Journal of Economic Dynamics and Control*, *Journal of Econometric Methods*, *Journal of Industrial Economics*, *Journal of Nonparametric Statistics*, *Journal of the Royal Statistical Society (Series B)*, *Rand Journal of Economics*, *Review of Economics and Statistics*, *Southern Economic Journal*.

Reviewer for Grant Agencies: National Science Foundation, Social Sciences and Humanities Research Council of Canada, Hong Kong Research Grants Council, Agency Nationale de la Recherche (French Research Agency).

Reviewer for *Econometric Analysis*, William Greene, 4th Edition, Prentice Hall Publisher.

Book Proposal Reviewer for Blackwell Publishing.

Member, the Joint Legislative Audit and Review Committee's Technical Advisory Panel to the Workfirst Evaluation of Washington State, 1999.

Invited Discussant, Session of "Empirical Game Models," the North American Summer Meeting of the Econometric Society, Montreal, Canada, June, 1998.

Invited Discussant, Session of "Empirical Analysis of Models with Private Information," the North American Winter Meeting of the Econometric Society, Washington D.C., January, 2003.

Invited Discussant, the Auction/Procurement Conference, Penn State University, April, 2008.

Chair, Five Star Economics Conference, Beijing, December, 2008.

Member of the External Review Team, Department of Economics, University of Kansas, October, 2009.

Member of the External Review Team, University of International Business and Economics, November, 2009.

Member of the *Journal of Econometrics* Dennis Aigner Award Committee, 2011.

Co-Organizer, Conference on Identification and Inference in Microeconometrics, Nashville, March, 2012.

#### **AREAS OF SPECIALIZATION:**

Microeconometrics (Theory and Applications), Empirical Microeconomics.

#### **CURRENT RESEARCH INTERESTS:**

Empirical Analysis of Auctions and Contracts, Nonparametric (Partial) Identification, Dynamic Nonlinear Panel Data Models, Inference of Moment Condition Models, Simulation-Based Inference.

#### **DISSERTATION COMMITTEE CHAIRED SINCE 1999:**

1. M. Gentry (in Progress).
2. B. Zhang (2009; First Placement: Assistant Professor, National University of Singapore), “Affiliation and Entry in First-Price Auctions.”
3. R. Hammond (2008; First Placement: Assistant Professor, North Carolina State University), “Seller Pricing Behavior in Auction and Posted-Price Markets.”
4. H. Zeng (Co-Chair, 2007; First Placement: Deloitte), “Three Essays on Consumer Choice Behavior in Health Insurance Market.”
5. L. Ji (2006; First Placement: Econometrician, International Monetary Fund), “Three Essays on Multi-Round Procurement Auctions.”
6. C.-M. Chen (2005; First Placement: Assistant Professor, National Chi-Nan University (Taiwan)), “Examining the Simultaneous Relationship and Uncertain Demand Effect for Charitable Contributions.”
7. X. Zheng (2005; First Placement: Assistant Professor, North Carolina State University), “Procurement Auctions with Entry and Uncertain Number of Actual Bidders: Theory, Structural Inference, and an Application.”
8. J. Guo (Co-Chair, 2001; First Placement: Corning), “Essays on Measurement Errors in Nonlinear Count Regression Models.”

**DISSERTATION COMMITTEE SERVED SINCE 1999:**

H. Chen (in Progress), H. Cho (2002), R. Ferrer (2009), P. Hamilton (2002), S.-H. Jeon (2004), S. Kang (2004), H.-D. Lee (2003), S. Lee (2002), C. Li (2005), Y.-C. Lin (2005), J. Park (2004), S. Park (2008), M. Ryan (2000), P. Scholten (2003), J. Schwartz (2003), C. She (2004), T. Trafton (2010), W. Wang (2002), J. Wu (2009), S. Zhang (in Progress), T. Ziacik (2002), D. Zimmer (2004).

**UNDERGRADUATE HONOR’S THESIS COMMITTEE:**

Frank Corrigan (2006), Jon Lee (2009).

**CONFERENCE PRESENTATIONS:**

European Meeting of the Econometric Society, Istanbul, Turkey, August, 1996.

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

North American Summer Meeting of the Econometric Society, Montreal, Canada, June, 1998.

Midwest Econometrics Group Annual Meeting, Ames, Iowa, USA, October, 1999.

Clarence E. Tow Conference on Applied Research Concerning Auctions and Mechanism Designs, University of Iowa, Iowa City, USA, May, 2000. (Invited Speaker)

The 8th World Congress of the Econometric Society, Seattle, USA, August, 2000.

Midwest Econometrics Group Annual Meeting, Chicago, USA, October, 2000.

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

Workshop on Structural Econometric Models, Stanford Institute for Theoretical Economics, July, 2003. (Invited Speaker)

North American Winter Meeting of the Econometric Society, San Diego, USA, January, 2004.

Midwest Econometrics Group Annual Meeting, Evanston, USA, October, 2004.

The 9th World Congress of the Econometric Society, London, UK, August, 2005.

CIREQ Conference on Auctions, Montreal, Canada, October, 2005. (Invited Speaker)

North American Winter Meeting of the Econometric Society, Boston, USA, January, 2006.

Conference on the Econometrics of Auctions in Tribute to J.-J. Laffont, Toulouse, France, May, 2006. (Invited Speaker)

Far Eastern Meeting of the Econometric Society, Beijing, China, July, 2006.

The Summer Workshop in Industrial Organization and Management Strategy, Singapore, July, 2008.

Far Eastern Meeting of the Econometric Society, Singapore, July, 2008.

The 2nd Auction/Procurement Conference, Penn State University, March, 2009. (Invited Speaker)

The Conference Celebrating the 30th Anniversary of the Summer Palace Workshop on Econometrics, Beijing, July, 2010. (Invited Speaker)

2011 Cowles Foundation Annual Econometrics Conference, Yale, New Haven, June, 2011. (Invited Participant)

European Meeting of the Econometric Society, Oslo, Norway, August, 2011.

Conference on Identification and Inference in Microeconometrics, Nashville, March, 2012.

Conference in Honor of Cheng Hsiao, Chengdu, China, May, 2012. (Invited Speaker)

### **INVITED SEMINARS:**

1996: IDEI and GREMAQ, Toulouse, France.

1997: New York University, Rutgers University, University of Toronto, York University, Hong Kong University of Science and Technology, Washington State University.

1998: University of California, Riverside, University of Southern California, Indiana University (Department of Economics).

1999: University of Washington.

2000: Indiana University (Department of Business Economics and Public Policy), University of Kansas, Ohio State University, Purdue University.

2002: Pennsylvania State University, University of Texas at Austin, Rice University.

2003: University of Michigan, Michigan State University, University of Pittsburgh/Carnegie Mellon University.

2004: Texas A&M University.

2005: Vanderbilt University.

2006: University of British Columbia, University of Southern California, University of Chicago, University of Texas at Austin, Rice University, University College London, University of Cambridge, London School of Economics, University of Pennsylvania, Indiana University, University of Michigan, Harvard University.

2007: University of Tennessee, Hong Kong University of Science and Technology, Yale University (IO Workshop and Econometrics Workshop, respectively).

2008: Renmin University of China, Brown University.

2009: University of Science and Technology of China, University of Southern California, Shanghai Jiaotong University, University of Toronto, Northwestern University.

2010: Triangle (Duke, North Carolina State University, University of North Carolina, Chapel Hill) Econometrics Workshop, Zhejiang University, University of Science and Technology of China, Shanghai University of Finance and Economics, University of International Business and Economics, Renmin University of China, University of Washington, University of Maryland, Georgetown University.

2011: University of Southern California, National University of Singapore, Singapore Management University, Federal Reserve Bank of New York, New York University, Columbia University.

2012 (Scheduled): Hong Kong University of Science and Technology, University of British Columbia.

#### **DEPARTMENT AND UNIVERSITY SERVICES:**

At WSU:

Member of the Department Graduate Studies Committee, 1997 - 1999.

Member of the Department Visiting Speakers Committee, 1997 - 1999.

At IU:

Member of the Time Series Econometrician Recruiting Committee, 1999-2001.

Member of the Empirical IO Recruiting Committee of the Department of Business Economics and Public Policy of Kelley School of Business, 2001 - 2002.

Member of the Applied Microeconomics Recruiting Committee, 2003 - 2004.

Member of the Recruiting Committee for Sociology, Anthropology, Statistics, Psychology, Economics and Research Appointment, 2003 - 2004.

Coordinator of Econometrics Workshop, 2003 - 2005.

Member of the Department Graduate Studies Committee, 2000 - 2005.

Member of the Department Faculty Review Committee, 2003 - 2005.

Member of the Committee of Applied Statistics in Social Science, College of Arts and Sciences, 2003 - 2005.

At Vanderbilt:

Coordinator of Empirical Microeconomics Workshop, 2005 - Present.

Member of the Senior Recruiting Committee, 2005 - 2006.

Chair of the Senior Recruiting Committee, 2006 - 2007.

Member of the Policy Evaluation and Planning Committee, 2007 - 2008.

Member of the Recruiting Committee, 2007 - 2008.

Department Chair, 2008 - 2011.

Member of the Coordinating Council of the Robert Wood Johnson Foundation Health Policy Center at Meharry College, 2009 - 2011.

Member of the Search Committee for the Robert Wood Johnson Foundation Health Policy Center Executive Director, 2009.

The Chancellor's Advisory Committee, 2010 - Present.

### **REFEREED PUBLICATIONS:**

[1] "Semiparametric Estimation in Models of First-Price, Sealed-Bid Auctions with Affiliation," with T.P. Hubbard and H.J. Paarsch, *Journal of Econometrics*, forthcoming.

[2] "Information Acquisition and/or Bid Preparation: A Structural Analysis of Entry and Bidding in Timber Sale Auctions," with X. Zheng, *Journal of Econometrics*, forthcoming.

[3] "A New Class of Asymptotically Efficient Estimators for Moment Condition Models," with Y. Fan and M. Gentry, *Journal of Econometrics*, 162, 268-277, 2011.

[4] "Testing for Affiliation in First-Price Auctions Using Entry Behavior," with B. Zhang, *International Economic Review*, 51, 837-850, August 2010.

[5] "Indirect Inference in Structural Econometric Models," *Journal of Econometrics*, 157, 120-128, July 2010.

[6] "Entry and Competition Effects in First-Price Auctions: Theory and Evidence from Procurement Auctions," with X. Zheng, *Review of Economic Studies*, 76, 1397-1429, 2009.

Supplementary Material to “Entry and Competition Effects in First-Price Auctions: Theory and Evidence from Procurement Auctions,” available on the *Review of Economic Studies* website.

[7] “Simulation Based Selection of Competing Structural Econometric Models,” *Journal of Econometrics*, 148, 114-123, February 2009.

[8] “Multi-Round Procurement Auctions with Secret Reserve Prices: Theory and Evidence,” with L. Ji, *Journal of Applied Econometrics*, 23, 897-923, October 2008.

[9] “Semiparametric Bayesian Inference for Dynamic Tobit Panel Data Models with Unobserved Heterogeneity,” with X. Zheng, *Journal of Applied Econometrics*, 23, 699-728 (Lead Article), August 2008.

[10] “Econometrics of First-Price Auctions with Entry and Binding Reservation Prices,” *Journal of Econometrics*, 126, 173-200, May 2005.

[11] “Modeling the Differences in Counted Outcomes using Bivariate Copula Models with Application to Mismeasured Counts,” with A.C. Cameron, P.K. Trivedi and D.M. Zimmer, *The Econometrics Journal*, 7, 566-584, 2004.

[12] “Robust Estimation of Generalized Linear Models with Measurement Errors,” with C. Hsiao, *Journal of Econometrics*, 118, 51-65, January - February 2004.

[13] “Modeling Response Bias in Count: A Structural Approach with an Application to the National Crime Victimization Survey Data,” with P.K. Trivedi and J. Guo, *Sociological Methods and Research*, 31, 514-544, May 2003.

[14] “Timber Sale Auctions with Random Reserve Prices,” with I. Perrigne, *The Review of Economics and Statistics*, 85, 189-200, February 2003.

[15] “Semiparametric Estimation of the Optimal Reserve Price in First-Price Auctions,” with I. Perrigne and Q. Vuong, *Journal of Business and Economic Statistics*, Vol. 21, No. 1, 53-64, January 2003.

[16] “Robust and Consistent Estimation of Nonlinear Errors-in-Variables Models,” *Journal of Econometrics*, Vol. 110, Issue 1, 1-26 (Lead Article), September 2002.

[17] “Structural Estimation of the Affiliated Private Value Auction Model,” with I. Perrigne and Q. Vuong, *RAND Journal of Economics*, Vol. 33, No. 2, 171-193 (Lead Article), Summer 2002.

- [18] “Poisson Regression Models with Errors-in-Variables: Implication and Treatment,” with J. Guo, *Journal of Statistical Planning and Inference*, Vol. 104, No. 2, 391-401, 2002.
- [19] “Buying Healthcare Quality with Grants and Donations,” with R. Rosenman, *Health Care Management Science*, Vol. 5, No. 1, 25-32, 2002.
- [20] “Estimating Hospital Costs with a Generalized Leontief Function,” with R. Rosenman, *Health Economics*, Vol. 10, Issue 6, 523-538, 2001.
- [21] “Simulation-Based Estimation of the Structural Errors-in-Variables Negative Binomial Regression Model with an Application,” with J. Guo, *Annals of Economics and Finance*, Vol. 2, 101-122, 2001.
- [22] “Cost Inefficiency in Washington Hospitals: A Stochastic Frontier Approach Using Panel Data,” with R. Rosenman, *Health Care Management Science*, Vol. 4, Issue 2, 73-81 (Lead Article), 2001.
- [23] “Conditionally Independent Private Information in OCS Wildcat Auctions,” with I. Perrigne and Q. Vuong, *Journal of Econometrics*, Vol. 98, Issue 1, 129-161, 2000. (Zellner Award)
- [24] “Estimation of Nonlinear Errors-in-Variables Models: A Simulated Minimum Distance Estimator,” *Statistics and Probability Letters*, Vol. 43, No. 3, 243-248, April 2000.
- [25] “Grants and Cost Shifting in Outpatient Clinics,” with R. Rosenman and D. Friesner, *Applied Economics*, Vol. 32, 835-843, 2000.
- [26] “Nonparametric Estimation of the Measurement Error Model Using Multiple Indicators,” with Q. Vuong, *Journal of Multivariate Analysis*, Vol. 65, No. 2, 139-165, May 1998.
- [27] “Using All Bids in Parametric Estimation of First-Price Auctions,” with Q. Vuong, *Economics Letters*, Vol. 55, Issue 3 (12), 321-325, Sept. 1997.

## **BOOK REVIEWS:**

Review of *An Introduction to the Structural Econometrics of Auction Data*, by H.J. Paarsch and H. Hong, *Econometric Reviews*, 28(4), 388-392, 2009.

Review of *Econometric Analysis of Cross Section and Panel Data*, by J. Wooldridge, MIT Press, *Journal of Economic Literature*, Vol. 40, 1239-1241, 2002.

#### **PUBLICATIONS IN PROCEEDINGS:**

“Estimation of the Structural Errors-in-Variables Poisson Regression,” with J. Guo, Proceedings of the Business and Economic Statistics Section of the American Statistical Association, 80-84, 2000.

#### **WORKING PAPERS/WORK IN PROGRESS:**

- [1] “Affiliation and Entry in First-Price Auctions with Heterogeneous Bidders,” with B. Zhang, Submitted.
- [2] “Positively Dependent Productivity Shocks in Tournaments: An Empirical Analysis of Production Contracts Settlement Data,” with T. Vukina and X. Zheng.
- [3] “Partial Identification in Auctions with Selective Entry,” with M. Gentry, Submitted.
- [4] “Dynamic Auctions with Entry: A Structural Analysis,” with M. Pesendorfer and B. Zhang.
- [5] “A Revenue Equivalence Result for Auctions with Selective Entry,” with M. Gentry.
- [6] “Sunk Cost to the Domestic Market: Evidence from the Chinese Manufacturing Sector,” with J. Liu and X. Zheng.
- [7] “Estimation of a Dynamic Binary Choice Panel Data Model with Unobserved Heterogeneity,” with M. Al-Sadoon and H. Pesaran.