

**CURRICULUM VITAE**  
**November 2013**

**Jia Yan**

**Office Address**

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Washington State University  
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**Education**

Ph.D. University of California - Irvine, 2002, Economics  
M.A. Nankai University, 1997, Economics  
B.A. Shaanxi Institute of Finance and Economics, 1993, Finance

**Research Areas**

Applied Microeconomics, Applied Econometrics, Empirical Industrial Organization, Transportation and Urban Economics

**Positions Held**

- Associate Professor (with tenure), School of Economic Sciences, Washington State University, starting from Aug. 2013.
- Assistant Professor, School of Economic Sciences, Washington State University, 2007 - 2013
- Assistant Professor, Faculty of Business, Hong Kong Polytechnic University, 2004 - 2007
- Research Scientist, ChoiceStream Inc, Cambridge, Massachusetts, USA, 2002 – 2004

**Awards**

- Best Paper by a Senior Author (joint with Clifford Winston), Kuhmo Nectar Conference and Summer School on Transportation Economics, 2011.
- Best Paper Award (joint with Tae Oum and Chunyan Yu), Transportation Research Forum, 2009
- Silver Medal (*Harmful Algae Indexing (HaiDex) System*, with John Liu, Samuel Lo, K.C. Ho, and T. L. Yip), International Exhibition of Inventions, New Techniques and Products in Geneva, 2008.
- Annual Research Award, Faculty of Business, Hong Kong Polytechnic University, 2006
- Best Doctoral Dissertation Award, Transportation and Public Utility Group of American Economic Association, 2003

**Editorial Position**

Associate Editor: *Journal of Air Transport Management*, since Oct. 2012  
Editorial Board: *Transportmetrica*, since 2006

**Listed in** *Who's Who in America, since 2010*

**Journal Articles** (Citation count: >200 citations in the web of science and > 700 citations in Google Scholar as of July 2013)

- Quality Differentiation with Flavors; Demand Estimation of Unobserved Attributes, with Daniel Toro-Gonzalez (Ph.D. student), Karina Gallardo, and Jill McCluskey, July 2013, forthcoming in the *Journal of Agricultural and Food Industrial Organization*
- An Analysis of Travel Demand in Japan's Inter-city Market: Empirical Estimation and Policy Simulation, with Xiaowen Fu and Tae Oum, forthcoming in the *Journal of Transport Economics and Policy*, Jan. 2014.
- Can Privatization of U.S. Highways Improve Motorists' Welfare?, with Clifford Winston, *Journal of Public Economics*, August (95), pp. 993-1005, 2011.
- Spatial Differences in Price-Elasticity of Demand for Ethanol, with Hayk Khachatryan (Ph.D. student) and Ken Casavant, *Journal of Transportation Research Forum*, Vol. 50, No.3, pp. 43-61, 2011
- Valuation of Information-Sharing in Marine Mutual Insurance, with Kevin Li and John Liu, *Risk and Decision Analysis*, March (2), pp. 65-74, 2011
- Assessing Container Operator Efficiency with Heterogeneous and Time-Varying Production Frontiers, with Xinyu Sun and John Liu, *Transportation Research Part B: Methodological*, January (43), pp. 172-185, 2009.
- Ownership Forms Matter for Airport Efficiency: A Stochastic Frontier Investigation of Worldwide Airports, with Tae Oum and Chunyan Yu, *Journal of Urban Economics*, September (64), pp. 422-435, 2008.
- Threshold Control of Mutual Insurance with Limited Commitment, with Kevin Li and John Liu, *Insurance: Mathematics and Economics*, August (43), pp. 108-115, 2008.
- Differentiated Pricing, Express Lanes, and Carpools: Exploiting Heterogeneous Preferences in Policy Design, with Kenneth A. Small and Clifford Winston, *Brookings-Wharton Papers on Urban Affairs*, Vol. 7, pp. 53 – 96, 2006
- Uncovering the Distribution of Motorists' Preferences for Travel Time and Reliability, with Kenneth A. Small and Clifford Winston, *Econometrica*, 73(4), pp. 1367 – 1382, 2005  
(Reprinted in: US Bureau of Transportation Statistics, *Compendium on Congestion: Issues and Analyses Across Modes* (Washington, DC: 2007))

- Choice Models of Route, Occupancy, and Time-of-Day with Value Priced Tolls, with Kenneth A. Small and Edward Sullivan, *Transportation Research Record*, 1812, pp. 69-77, 2002
- The Value of Value Pricing on Roads: Second-Best Pricing and Product Differentiation, with Kenneth A. Small, *Journal of Urban Economics*, March (49), pp. 310-336, 2001

### **Book Review**

- **A Handbook of Transport Economics**, edited by André De Palma, Robin Lindsey, Emile Quinet, and Roger Vickerman, forthcoming in *Journal of Regional Science*, Dec. 2012

### **Grants**

- Transportation Environmental Sustainability in Cold Regions, funded by USDOT, with Liv Haselbach, US\$340,000, 2013-2014
- Agricultural and Rural Transportation Center, funded by USDOT, with Ken Cassavant and Vick McCracken, US\$150,095, 2010 – 2012.
- Transportation and Environmental Assessment of the Impact of Extended Lock Outages: the Columbia-Snake River System, funded by U. of Washington and TRANSNOW, with Ken Cassavant and Vick McCracken, US\$150,095, 2010 – 2011.
- Agricultural Transportation Study, funded by USDA, with Ken Cassavant, Vick McCracken, and Eric Jessup, US\$100,000, 2008-2009.
- US Highway Privatization, funded by USDOT, US\$15,000, 2008-2009.

### **Working Papers**

- The Effects of Government Quality and Institutional Choice on the Efficiency of U.S. Commercial Airports, with Tae Oum, Feb. 2012, revise and resubmit at the *Journal of Urban Economics*
- Designing a Market for Privatized Airports: the Case of San Francisco Bay Area, with Clifford Winston, December 2012, revise and resubmit at the *Journal of Public Economics*
- Open-Skies: Estimating the Benefits of Free Trade in Airline Services, with Clifford Winston, November 2012, revise and resubmit at the *American Economic Journal: Economic Policy*
- Misalignment of Interest between Managers and Investors in the Allocation of Resources to Cyber-Security, with Bin Srinidhi and Giri Kumar Tayi, March 2013, under review at the *Decision Support Systems*
- Low cost carrier competition and route entry in emerging but regulated aviation market: the case of China, with Xiaowen Fu, Zheng Lei and Kun Wang, under review at *Transportation Research Part E*
- Equity through transportation policy in developing countries: the case of Colombia, with Daniel Toro-Gonzalez
- Effects of corruption on efficiency of the European airports, with Laingo M. Randrianarisoa, Denis Bolduc, Yap Yin Choo and Tae Oum

### **Works in Progress**

- The Effect of Congestion on Vehicle-Size Choice, with Clifford Winston

- Dynamic price competition in duopoly markets: the case of the U.S. railway industry, with Clifford Winston
- The effect of congestion on housing price, with Clifford Winston
- Quantifying the Benefits of Transport Infrastructure Investment, with John Liu
- The effect of merger on airline efficiency: evidences from China, with Xiaowen Fu

### **Teaching Experience**

*At Hong Kong Polytechnic University:*

Introduction to Microeconomics with applications in maritime and port (Undergraduate),  
Statistics (Graduate)

*At Washington State University:*

Transportation Economics (Undergraduate)

Industrial Organization (Undergraduate)

Labor Economics (Undergraduate)

Mathematics for Economists (Ph.D)

Econometrics Sequence (Ph.D)

Topics in Applied Microeconomics (Ph.D)

### **Services**

Department Seminar, Organizer, 2004 – 2005, 2005 - 2006

Session chair, the 9<sup>th</sup> HKSTS conference, 2004

Co-chair, the 10<sup>th</sup> HKSTS conference, 2005

Session chair, 2005 INFORMS Conference

Department Recruiting Committee, 2007, 2008, 2011

Department Web Committee, 2007-2010

Ph.D qualifying examination committee, 2009-2012

Undergraduate Committee, 2011-2012

### **Presentations Given**

**2012** Allied Social Sciences Association (ASSA) conference, Brookings Workshop on U.S. Airline Industry, INFORMS International

**2011** Allied Social Sciences Association (ASSA) conference

**2010** World Bank symposium on transport infrastructure efficiency, Workshop in Aviation Economics (University of British Columbia)

**2009** American Economic Association conference

**2008** Allied Social Sciences Association (ASSA) conference

**2007** Allied Social Sciences Association (ASSA) conference, INFORMS conference

**2006** INFORMS conference, INFORMS International conference, Chinese Academy of Sciences

**2005** Brookings-Wharton conference on urban affairs, INFORMS conference, Hong Kong University of Science and Technology (Industrial Engineering and Engineering

Management), Chinese University of Hong Kong (System Engineering and Engineering Management)

**2004** Hong Kong Society of Transport Studies conference, Hong Kong Polytechnic University

**2002** Allied Social Sciences Association (ASSA) conference, Transportation Research Board Annual Conference, German Institute for Economic Research (DIW, Berlin), University of British Columbia

**2001** Allied Social Sciences Association (ASSA) conference, American Real Estate Society Annual Conference

**2000** Transportation Research Board Annual Conference

**Invited discussant at conferences and meetings of professional societies:**

American Economic Association Annual Conference (2009)

**Referee for Economics Journals**

*Econometrica, Economic Inquiry, International Economic Review, Games and Economic Behavior, Journal of Applied Econometrics, Journal of Banking and Finance, Journal of Public Economics, Journal of Transport Economics and Policy, Journal of Urban Economics, Regional Science and Urban Economics, Review of Environmental Economics and Policy, Review of Industrial Organization, Review of Network Economics, Review of Economics and Statistics, Southern Economic Journal*

**Referee for Other Journals**

*European Journal of Operations Research, Information Systems Research, IEEE Transaction on Automatic Control, International Journal of Production Economics, Journal of Advanced Transportation, Journal of Agriculture and Applied Economics, Journal of Choice Modeling, Journal of Public Transportation, Journal of Systems Science and Systems Engineering, Journal of Transportation Systems Engineering and Information Technology, Review of Urban and Regional Development Studies, Transportmetrica, Transport Policy, Transportation Research A, B, C, D, E*

**Professional Membership**

American Economic Association, Econometric Society