RUILIN TIAN

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Department of Accounting, Finance, and Information Systems
College of Business, North Dakota State University, Fargo, ND 58108-6050
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EDUCATION

- Ph.D. in Risk Management & Insurance, ***Georgia State University***, Atlanta GA, May 2008
  Ph.D. Dissertation: Moment Problems with Applications to Value-at-Risk and Portfolio Management
- M.S. in Applied Economics, ***Marquette University***, Milwaukee WI, December 2003
  Master Thesis: The Stability of Money Demand: Cointegration and Some Empirical Evidence
- B.S. in Engineering Economics, ***Shanghai Jiao Tong University***, China, July 1998
  Senior Project: The influence of Asian Financial Turmoil (1997-1998) on RMB exchange rates

ACADEMIC APPOINTMENTS

Department of Accounting, Finance and Information System ***North Dakota State University***	Associate Professor of Finance	Aug 2014 -present
Department of Accounting, Finance and Information System ***North Dakota State University***	Assistant Professor of Finance	Aug 2008 –Jul 2014
Department of Risk Management and Insurance ***Georgia State University***	Instructor/Research Assistant	2004-2008
Department of Economics ***Marquette University***	Graduate Assistant	2002-2003
School of Electronics, Information and Electrical Engineering ***Shanghai Jiao Tong University, China***	Undergraduate Advisor	1998-2001

PUBLICATIONS

Journal Articles

- "Pension Risk Management in the Enterprise Risk Management Framework," with Yijia Lin, Richard MacMinn, and Jifeng Yu, ***Journal of Risk and Insurance***, 2016, forthcoming.
- "Moment Problem and Its Application to Tail Risk Assessment," with Samuel H. Cox and Luis F. Zuluaga, ***North American Actuarial Journal***, 2016, forthcoming.
- "De-risking Defined Benefit Plans," with Yijia Lin and Richard MacMinn, ***Insurance: Mathematics and Economics***, Volume 63, pp. 52-65, 2015.
- "Downside Risk Management of a Defined Benefit Plan Considering Longevity Basis Risk," with Yijia Lin, Ken Seng Tan, and Jifeng Yu, ***North American Actuarial Journal***, Volume 18, Number 1, 2014.
- "Revisit Zero Inflation Policy: Feasible or Mirage?" ***Journal of Macroeconomic Dynamics Research,*** Volume 1, p7-p17, 2013.
- "Mortality Portfolio Risk Management," with Samuel H. Cox, Yijia Lin, and Luis F. Zuluaga, ***Journal of Risk and Insurance***, Volume 80, Issue 4, pp. 853-890, December 2013.
- "Managing Capital Market and Longevity Risks in a Defined Benefit Pension Plan," with Samuel H. Cox, Yijia Lin, and Jifeng Yu, ***Journal of Risk and Insurance***, Volume 80, Issue 3, pp. 585-620, September 2013.
- "Bounds for Probabilities of Extreme Events Defined by Two Random Variables," with Samuel H. Cox, Yijia Lin, and Luis F. Zuluaga, ***Variance: Advancing the Science of Risk***, Volume 4, Issue 1, 2010.
- "Portfolio Risk Management with CVaR-like Constraints," with Samuel H. Cox, Yijia Lin, and Luis F. Zuluaga, ***North American Actuarial Journal***, Volume 14, Number 1, 2010.

Book Chapter

- "The Securitization of Longevity Risk and its Implications for Retirement Security," with Richard MacMinn, Patrick Brockett, Jennifer Wang, and Yijia Lin, in Pension Resilience and Longevity Risk, ***Recreating Sustainable Retirement: Extreme Risk and Pension Security*** (Oxford University Press), 2014.

WORKING PAPERS

- "Downside Risk Control and Optimal Investment Turnover During Financial Crises," with Fariz Huseynov and Wei Zhang, 2016. (plan to submit to ***Financial Analyst Journal*** in November 2016)

- “Optimal Demand for Life Insurance in China under Culture Barriers and Investment Uncertainty,” 2016. (plan to submit to ***Journal of Risk and Uncertainty*** in February 2017)
- “Predicting Recessions in the United States with Yield Curve Spreads,” with Gang Shen, 2016. (plan to submit to ***Journal of Money, Credit and Banking*** in February 2017)
- “Risk Management with Maximum-Entropy Methods,” with Samuel H. Cox, 2015. (plan to submit to ***Insurance: Mathematics and Economics***)
- “Effective Cross hedging in the Airline Industry,” with Siew H. Lim, 2014.
- “Global Diversification and Downside Risk Control through Stock, Bond, and CDS Indices,” with Fariz Huseynov and Wei Zhang, 2014.
- “Impact of Low Interest Rates on 4% Rule,” with Tatjana Miljkovic, 2014.
- “Product Market Competition and Financial Structure,” term paper, 2006.
- “Substitutes or Complements: Independent Assets in Portfolio,” term paper, 2006.
- “Asset Pricing Model Analysis,” term paper, 2005.
- “Aggregate Demand & Supply Analysis with Computational Methods,” term paper, 2005.

CONFERENCE PRESENTATIONS

- “Optimal Demand for Life Insurance in China under Culture Barriers and Investment Uncertainty,” the 2016 American Risk and Insurance Association (ARIA) Annual Meeting, Cambridge, MA, August 7-10, 2016.
- “Optimal Demand for Life Insurance in China under Culture Barriers and Investment Uncertainty,” the 20th International Congress on Insurance: Mathematics & Economics, Atlanta, GA, July 24-27, 2016.
- “Moment Problem and Its Application to Tail Risk Assessment,” the INFORMS 2015 Annual Meeting, Philadelphia, PA, November 1-4, 2015.
- “Moment Problem and Its Application to Tail Risk Assessment,” the 50th Actuarial Research Conference (ARC), Toronto, Canada, August 5-8, 2015.
- “Pension Risk Management in the Enterprise Risk Management Framework,” the 2015 International Conference on The workshop on Financial and Insurance Risk Management (FIRM 2015), Beijing, China, July 4-5, 2015.
- “Global Diversification and Downside Risk Control through Stock, Bond, and CDS Indices,” 2014 Financial Management Association (FMA) Annual Meeting, Nashville, TN, October 15 - 18, 2014.
- “Pension Risk Management in the Enterprise Risk Management Framework,” the 10th International Longevity Risk and Capital Markets Solutions Conference, Santiago, Chile, September 3-4, 2014.
- “Pension Risk Management in the Enterprise Risk Management Framework,” the 18th International Congress on Insurance: Mathematics & Economics, Shanghai, China, July 10-12, 2014.
- “Optimal Bounds on the Value-at-Risk Given Moment Information,” the CAS (Casualty Actuarial Society) In Focus conference, Chicago, IL, September 30-October 1, 2013.
- “De-risking Defined Benefit Plans,” the 9th International Longevity Risk and Capital Markets Solutions Conference, Beijing, China, September 6-7, 2013.
- “Securitization of Longevity Risk and its implications for retirement security,” the Pension Research Council Symposium, the Wharton School of the University of Pennsylvania, April 25-26, 2013.
- “Downside Risk Management of a Defined Benefit Plan Considering Longevity Basis Risk,” the 8th International Longevity Risk and Capital Markets Solutions Conference, Waterloo, Ontario, Canada, September 7-8, 2012.
- “Managing Capital Market and Longevity Risks in a Defined Benefit Pension Plan,” the 7th International Longevity Risk and Capital Markets Solutions Conference, at Goethe University's Campus Westend in Frankfurt, Germany, September 8-9, 2011.
- “Mortality Portfolio Risk Management,” 2010 Financial Management Association (FMA) Annual Meeting, New York City, NY, October 20-23, 2010.
- “Mortality Portfolio Risk Management,” the 2009 American Risk and Insurance Association (ARIA) Annual Meeting, Providence, RI, August 2-5, 2009.
- “Bounds for Extreme Probabilities and Value at Risk,” 2008 Financial Management Association (FMA) Annual Meeting, Dallas, TX, October 8-11, 2008.
- “Portfolio Risk Management with CVaR-like Constraints,” 2008 Financial Management Association (FMA) Annual Meeting, Dallas, TX, October 8-11, 2008.
- “Bounds for Ruin Probability and Value at Risk,” 42nd Actuarial Research Conference (ARC), Pittsburgh, PA, August 9-11, 2007.
- “Bounds for Ruin Probability and Value at Risk,” the 2007 American Risk and Insurance Association (ARIA)

Annual Meeting, Quebec City, Canada, August 5-8, 2007.

- "Portfolio Risk Management with CVaR-like Constraints," the 42nd Actuarial Research Conference (ARC), Pittsburgh, PA, August 9-11, 2007.

NON-REFEREED PRESENTATIONS

- "Pension Risk Management in the Enterprise Risk Management Framework," AFIS Department Research Colloquium, October, 2015.
- "Predicting Recessions in the United States with Yield Curve Spreads," AFIS Department Research Colloquium, February, 2014.
- "Global Diversification and Downside Risk Control through Stock, Bond, and CDS Indices," AFIS Department Research Colloquium, November, 2012.
- "Mortality Portfolio Risk Management," Research Colloquium of the Department of Agriculture Economics, December, 2011.
- "Managing Capital Market and Longevity Risks in a Defined Benefit Pension Plan," AFIS Department Research Colloquium, November, 2011.
- "Mortality Portfolio Risk Management," AFIS Department Research Colloquium, November, 2010.

EXTERNALLY FUNDED RESEARCH PROJECTS

- "Examining the Role of Emotions in Financial Coping Behaviors and Financial Well-Being," with Imran Ali, submitted application to *the Fulbright Scholar Program of the United States Department of State Bureau of Educational and Cultural Affairs*. (Status: submitted in October 2016)
- "Sociodemographic, Economic, and Psychological Factors of the Chinese Endowment Insurance," with Ruiqi Tian, awarded a scholarship of $18,000 by the *China Scholarship Council (CSC)*, 2016-2017. (Status: approved and granted.)
- "The Enduring Influences of Early Childhood Experiences in Shaping Economic Behaviors among Young Adults," with Imran Ali, submitted proposal to *Russell Sage Foundation (RSF) NY, USA on Childhood Experiences and Economic Behaviors in Later Life.* (Status: submitted in January 2015)
- "The Financial Literacy Challenge and Socio-economic Empowerment of Selected Communities in Pakistan," with Imran Ali and Abdul Haque ($12,000), *the third Pakistan Strategy Support Program (PSSP) Competitive Grants Program, collaborated with USAID*, 2014-2015. (Status: approved and granted.)
- "Optimal Bounds on Value at Risk and Ruin Probabilities" with Samuel H. Cox, Yijia Lin and Luis F. Zuluaga ($25,000), 2007-2010, sponsored by *The Actuarial Education and Research Fund* and *the Committee on Knowledge Extension Research of the Society of Actuaries.* (Status: completed.)
- "Moment Problems and Portfolio Optimization with Skewness and Kurtosis Consideration" with Samuel H. Cox, Edoh Afambo and Jim Bachman ($50,000), 2006-2007, sponsored by *General Re-New England Asset Management, Inc.* (Status: completed.)

TEACHING EXPERIENCE

North Dakota State University

- Analysis of Fixed-Income Securities
  - Undergraduate/Graduate: Spring 2014, Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016.
- Money and Capital Markets
  - Undergraduate/Graduate: Fall 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012, Spring 2013, Fall 2013
- Principles of Finance
  - Undergraduate: Fall 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012, Spring 2013, Summer 2013, Fall 2013, Spring 2014, Fall 2014, online course Spring 2015, Fall 2015, Spring 2016, Fall 2016.

Georgia State University

- Introduction to Risk Management and Insurance
  - Undergraduate: Fall 2006, Spring 2008
- Corporate Finance
  - Undergraduate: Spring 2008

ACADEMIC ADVISING

- Committee member of Yu Sun's master thesis, Dept. of Statistics, North Dakota State University, 2016.
- Committee member of Norifumi Kimura's master thesis, Dept. of Agribusiness and Applied Economics, North Dakota State University, 2016.
- Committee member of Caitlin Olek's master thesis, Dept. of Agribusiness and Applied Economics, North Dakota State University, 2016.
- Committee member of Chandima Fernando's master thesis, Dept. of Computer Science, North Dakota State University, 2016.
- Committee member of Yun Zhou's master thesis, Dept. of Statistics, North Dakota State University, 2015-2016.
- Committee member of Dahye Han's master thesis, Dept. of Agribusiness and Applied Economics, North Dakota State University, 2015-2016.
- Committee member of Feifei Huang's master thesis, Dept. of Statistics, North Dakota State University, 2014-2016.
- Committee member of Resha Dias's master thesis, Dept. of Agribusiness and Applied Economics, North Dakota State University, 2014.
- Committee member of Samantha Froelich's master thesis, Dept. of Agribusiness and Applied Economics, North Dakota State University, 2013.
- Committee member of Marit Simonson-Paschke's master thesis, Dept. of Agribusiness and Applied Economics, North Dakota State University, 2013.
- Committee member of Songjiao Chen's master thesis, Dept. of Agribusiness and Applied Economics, North Dakota State University, 2013.
- Committee member of Ran Shang's master thesis, Dept. of Agribusiness and Applied Economics, North Dakota State University, 2013.
- Co-advisor of Di Huang's Master thesis, Dept. of Statistics, North Dakota State University, 2012-2013.
- Committee member of Daniel Oberholtzer's master thesis, Dept. of International Agribusiness and Applied Economics, North Dakota State University, 2011.
- Committee member of Sumadhur Shakya's master thesis, Dept. of International Agribusiness and Applied Economics, North Dakota State University, August, 2009.
- Committee member of Jane Chow- Coleman's master thesis, Dept. of Applied Economics, North Dakota State University, August, 2008.

SERVICE ACTIVITIES

Department

- Chair, AFIS Department PTE Committee, 2016
- Chair, AFIS Department Ad Hoc Committee on Committees, 2016
- Member, AFIS Department PTE Committee, 2014-2016
- Member, Internship Committee, 2012-2015
- Member, Finance Search Committee, 2014
- Member, AFIS Department Scholarship Committee, 2010-2014
- Member, Finance Search Committee, 2008-2010

College

- Member , College of Business Curriculum Committee, 2015-2016
- Member, International Committee, 2012-2015
- Member, Search Committee for the Dean of the College of Business, 2014
- Member, College of Business Scholarship Committee, 2012-2014

University

- Member, Ad Hoc Excel Committee, College of Business & Department of Agribusiness and Applied Economics, 2016
- Member, Campus Space and Facility Committee, 2012-2016
- Member, Graduate Certificate in Risk, Dept. of Agribusiness and Applied Economics, 2012-2016

Academic and Professional Organizations

- Referee for Geneva Papers on Risk and Insurance - Issues and Practice
- Referee for First International Congress on Actuarial Science and Quantitative Finance (conference proceeding)
- Referee for the Journal of Risk and Insurance
- Referee for Insurance: Mathematics & Economics

- Referee for the North American Actuarial Journal
- Referee for Journal of Insurance Issues
- Referee for Journal of Risk and Financial Management
- Referee for the Journal of Macroeconomic Dynamics Research
- Referee for Energies
- Referee for Risks
- Discussant, American Risk and Insurance Association (ARIA) Annual Meeting, 2016.
- Session Chair, Actuarial Research Conference (ARC), 2015.
- Organizer, Session Chair, and Discussant, Financial Management Association (FMA) Annual Meeting, 2014.
- Discussant, American Risk and Insurance Association (ARIA) Annual Meeting, 2009.
- Session Chair and Discussant, Financial Management Association (FMA) Annual Meeting, 2008.

HONORS

- Provost Travel and Research Fund, *North Dakota State University* 2015
- International Conference Travel Grant, College of Business, *NDSU* 2015
- International Conference Travel Grant, College of Business, *NDSU* 2014
- Provost Travel and Research Fund, *North Dakota State University* 2013
- Member, *NDSU Golden Key International Honour Society* 2012-2013
- Provost Travel and Research Fund, *North Dakota State University* 2012
- FORWARD Travel Award, *North Dakota State University* 2009
- Helen C. Leith Scholarship, *Georgia State University* 2006-2008
- Leyton B. Hunter Fellowship, *Georgia State University* 2005-2006
- Excellent Undergraduate Advisor, *Shanghai Jiao Tong University* 2000
- First Prize of Baoyugang Scholarship, *Shanghai Jiao Tong University* 1998
- Second Prize of Excellence Scholarship, *Shanghai Jiao Tong University* 1997
- First Prize of Chenxing Scholarship, *Shanghai Jiao Tong University* 1996

Ruilin Tian