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CURRENT APPOINTMENT

Visiting Assistant Professor of Economics, Department of Economics, University of Illinois, August 2009-.

Assistant Professor of Economics, Wang Yanan Institute for Studies in Economics, Xiamen University, China, August 2007-.

EDUCATION

Ph.D. in Economics, University of Illinois at Urbana-Champaign, 2007.
Dissertation : *Essays on Maximum Entropy Principle with Applications to Econometrics and Finance*
Supervisor : Anil K. Bera
M.S. in Statistics, University of Illinois at Urbana-Champaign, 2006.
M.S. in Economics, University of Illinois at Urbana-Champaign, 2001.
M.A. in Economics, Chung-Ang University, Seoul, Korea, 2000.
B.A. in Economics, Chung-Ang University, Seoul, Korea, 1998.

FIELDS OF INTERESTS

Econometrics, Applied Econometrics, Financial Econometrics, Empirical Finance.

GRANTS AND AWARDS

List of Teachers Rated as Excellent, UIUC, Spring 2005; Fall 2006.
Hans Brems Best Research Paper Award (honorable mention), Department of Economics, UIUC, May 2005.
Hans Brems Best Research Paper Award, Department of Economics, UIUC, May 2003.
Conference Travel Grant Award, Department of Economics, UIUC, Sep. 2005; Oct. 2005; Oct. 2006.
Graduate College Conference Travel Grant Award, UIUC, Oct. 2003; Sep. 2004; Oct. 2005; Oct. 2006.
Information and Entropy Econometrics (IEE) Conference Grant Award, American University, Sep. 2005.
Best Paper Award, 79th Anniversary of Chung-Ang University Foundation, May 1997.
Full University Undergraduate Scholarship, Chung-Ang University, 1996, 1997.

RESEARCH EXPERIENCE

Research Assistant for Professor Anil K. Bera, Department of Economics, UIUC, Fall 2005 - Spring 2006; Spring 2007.
Research Assistant for Professor Scott Weisbenner and NBER, Analysis of 401(k) Investment Options, Department of Finance, UIUC, and NBER, Fall 2002 - Spring 2004.
Research Assistant for Professor Kookshin Ahn, Department of Economics, Chung-Ang University, Spring

1998 - Spring 2000.

TEACHING EXPERIENCE

Time Series Econometrics (PhD), University of Illinois, Fall 2009.

Introduction to Applied Econometrics (Undergrad), University of Illinois, Fall 2009.

Quantitative Investment Analysis (for the joint program with Singapore Management University), WISE, Xiamen University, Fall 2008.

Advanced Quantitative and Economic Analysis (for the joint program with Singapore Management University), WISE, Xiamen University, Spring 2008.

Econometrics II (Graduate), WISE, Xiamen University, Spring 2008, 2009.

Time Series Econometrics (Graduate), WISE, Xiamen University, Spring 2008, 2009.

Teaching Assistant, Economic Statistics (Ph.D course), UIUC, Fall 2006.

Teaching Assistant, Economic Statistics II (Undergraduate course), UIUC, Fall 2004, Spring 2005.

Instructor, Applied Econometrics, Department of Economics, Chung-Ang University, Summer 2004.

Teaching Assistant, Advanced Corporate Finance, UIUC, Spring 2002.

PUBLICATIONS

An Estimation of U.S. Gasoline Demand : A Smooth Time-Varying Cointegration Approach (with Guochang Zhao), 2010, ***Energy Economics***, 32, 110-120.

Estimation and Hedging Effectiveness of Time-Varying Hedge Ratio: Flexible Bivariate GARCH Approaches (with Sang Y. Jei), 2010, ***Journal of Futures Markets***, 30, 71-99.

The Analysis of the Relationships of Korean Outbound Tourism Demands: Jeju Island and Three International Destinations (with Joo H. Seo and Larry Yu), 2009, ***Tourism Management***, 30, 530-543.

Maximum Entropy Autoregressive Conditional Heteroskedasticity Model (with Anil K. Bera), 2009, ***Journal of Econometrics***, 150, 219-230.

The Determinant of Volatility on International Tourism Demand: An Empirical Note (with Sang Y. Jei), 2010, ***Applied Economics Letters***, 17, 217-223.

Optimal Portfolio Diversification Using Maximum Entropy Principle (with Anil K. Bera), 2008, ***Econometric Reviews***, 27, 484-512.

Financial Data Analysis Using Maximum Entropy Approach (with Anil K. Bera), 2004, ***Proceedings of the International Statistical Conference***, pp. 89-106, Sri Lanka (Referred article).

Use of Maximum Entropy Principle to Improve Distributional Assumption in ARCH Models (with Anil K. Bera), 2003, ***Proceedings of 2003 Joint Statistical Meeting***, Business and Economic Statistics Section, American Statistical Association.

WORKING PAPERS

Exponential Tilting Specification Test Robust to Moment Constraints and Local Parametric Misspecifications (with Haiqi Li), 2009.

Money Demand in China : A Time-Varying Cointegration Approach (with Haomiao Zuo), 2009.

Generalized Empirical Likelihood Specification Test Robust to Local Misspecification (with Haiqi Li), 2009.

Robust Portfolio Selection with S-shaped Utility (with Zhihuang Shuai), 2009.

Testing for Stock Market Contagion : A Quantile Regression Approach (with Wendun Wang and Naijing Huang), 2009.

The Fisher's Transformation for the Sample Correlation Coefficient: A Revisit (with Anil Bera), 2009.

Which Quantile is the Most Informative : Maximum Entropy Quantile Regression (with Anil Bera, Antonio Galvao and Gabriel Montes-Rojas), 2009, ***Under revision for the Journal of Econometrics as requested by the Journal***.

Quantile Autoregression Distributed Lag Model with an Application to House Price Returns (with Antonio Galvao and Gabriel Montes-Rojas), 2009, ***Submitted***.

Information Theoretic Approaches to Income Density Estimation with an Application to the U.S. Personal Income Data (with Anil Bera), 2009, ***Submitted***.

Quantile Elasticity of International Tourism Demand for South Korea (with Joo H. Seo), 2008, ***Submitted***.

Estimation of Maximum Entropy Densities with Application to Income Distribution Dynamics, 2004.

WORK IN PROGRESS

Maximum Entropy Empirical Likelihood Estimator Under Possible Misspecification.

Estimation of Conditional Value at Risk Under Regression Quantiles.

Estimation and Inference for Nonlinear Model in the Presence of Unspecified Conditional Variance (with Pradosh Simlai).

Maximum Entropy Based-Test with Implication for Neyman's Smooth Test.

Information Matrix Test for Spatial Error Autoregressive Model (with Pradosh Simlai and Jingfeng Zhang).

Density Forecast Evaluation Using Data-Driven Smooth Test (with Yupeng Zhang).

Testing for Spatial Effect Under Distributional Misspecification (with Jingfeng Zhang).

LM Test Statistic for Spatial Effect Robust to Local and Distributional Misspecification (with Ying Fang and Jingfeng Zhang).

A Test For Symmetry with Leptokurtic Time Series Data (with Wendun Wang and Rui Fan).

A Robust Test for Constant Correlation in a Multivariate GARCH Model under Local Misspecification (with Haiqi Li).

PRESENTATION IN CONFERENCES AND SEMINARS

The 19th Annual Meeting of the Midwest Econometrics Group, Purdue University, West Lafayette, Indiana, Sep. 11-12, 2009.

The 2009 Summer Workshop in Econometrics, Tsinghua University, Beijing, China, May 31 - June 1, 2009

The 18th Annual Meeting of the Midwest Econometrics Group, University of Kansas, Lawrence, Kansas, Oct. 17-18, 2008.

Invited Seminar, Department of Finance, Ajou University, Korea, July 9, 2008.

Invited Seminar, Discipline of Econometrics and Business Statistics, University of Sydney, Australia, June 11, 2008.

The 2008 International Symposium on Econometric Theory and Applications (SETA2008), Seoul National University, Korea, May 28-30, 2008.

2008 International Symposium on Recent Developments of Time Series Econometrics, Xiamen University, China, May 10-12, 2008.

Xiamen University - Humboldt University at Berlin Economics & Finance Workshop 2008, Xiamen University, China, Apr. 10-11, 2008.

Cino-Korean Econometrics Workshop 2007, Xiamen University, Dec. 12-13, 2007.

The 17th Annual Meeting of the Midwest Econometrics Group, Saint Louis University, St. Louis, Oct. 12-13, 2007.

The 16th Annual Meeting of the Midwest Econometrics Group, University of Cincinnati, Oct. 6-7, 2006.

Econometrics Lunch Seminar, Department of Economics, UIUC, May 5, 2006.

The 15th Annual Meeting of the Midwest Econometrics Group, Southern Illinois University, Carbondale, Oct. 13-15, 2005.

The Second International Conference on Recent Developments in the Theory, Method and Application of Information and Entropy Econometrics, American University, Washington D.C., Sep. 23-25, 2005.

The 21st Canadian Econometrics Study Group Conference, York University Toronto, Ontario, Canada, Sep. 24-26, 2004.

The 13th Annual Meeting of the Midwest Econometrics Group, University of Missouri, Columbia, Oct. 17-18, 2003.

The First International Conference on Recent Developments in the Theory, Method and Application of Information and Entropy Econometrics, American University, Washington D.C., Sep. 19-21, 2003.

PROFESSIONAL ACTIVITIES

Awards Committee, Department of Economics, UIUC, 2005.

Session Chair and Discussant, Cino-Korean Econometrics Workshop, Xiamen University, 2007.

Session Chair and Discussant, The 2008 International Symposium on Recent Developments of Time Series Econometrics, Xiamen University, 2008.

Recruiting Committee, WISE, Xiamen University, 2008.

REFEREEING

Advances in Statistical Analysis
Annals of Regional Science
Applied Stochastic Models in Business and Industry (2)
Applied Economics(2)
Econometric Reviews
Journal of Business and Economic Statistics
Journal of Econometrics(2)
Probabilistic Engineering Mechanics
Quantitative Finance
Quarterly Review of Economics and Finance

REFERENCES

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