

Lijian YANG

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East Lansing, MI 48824 Phone: 517-353-6369

Education

University of North Carolina, Chapel Hill Statistics M.S., 1993, Ph.D., 1995
Peking University, China Mathematics B.S., 1987

Research Interests

Inference & forecasting of nonlinear time series & functional/longitudinal data, dimension reduction, econometrics, agronomy, food science, geography (Erdős Number 3: Yao → Chen → Erdős)

Current and Past Positions

May 10- Professor, Soochow University, and Director, Soochow University Center
for Advanced Statistics and Econometrics Research
97-01/01-06/Jul. 06- Assistant/Associate/Full Professor of Statistics & Probability, MSU
07-10 Graduate Director of Statistics & Probability, MSU
Jul. 06- Adjunct Professor, Center for Global Change & Earth Observations, MSU
Jun. 10 Visiting Professor, Risk Management Institute (RMI), NUS
Jan.-Jul. 05 Visiting Associate Professor, National University of Singapore (NUS)
Sept.-Dec. 04 Visiting Professor, School of Management, Peking University
Jun. 03-Jul. 04 ASA/NSF/BLS Research Fellow, Bureau of Labor Statistics
01-02 Judith C. & William G. Bollinger Visiting Professor, the
Wharton School, University of Pennsylvania
Oct. 95-Jul. 97 Research Associate, Humboldt University

Honors and Awards

- P. I., **Key-Discipline Program (Statistics)** ZY107002, Jiangsu, China, 2012-17, 10 million RMB
- **Elected Fellow**, American Statistical Association, 2011
- P. I., **Specially-Appointed Professor Program** SR10700111, Jiangsu, China, 2011-14, 1 million RMB
- P. I., **NUS RMI** Credit Rating Grant 2010 "Credit rating via generalized additive modelling", \$30,000.
- Sole P. I. of **National Science Foundation** DMS awards:
 1. 1007594, 2010-13 "Simultaneous confidence regions for functional data analysis: theory and methods" \$159,986
 2. 0706518, 2007-10 "Reduction of infinite data dimension via B spline smoothing" \$221,525
 3. 0405330, 2004-07 "Monte-Carlo multi-step ahead forecasting for nonlinear time series" \$192,053
 4. 9971186, 1999-2002 "Non- and semi- parametric identification and prediction of autoregressive models, with applications to econometrics" \$77,508
- Sole P. I. of **ASA/NSF/BLS** Research Fellowship, 2003-04: "Non- and semi- parametric analysis of multivariate seasonal time series data" \$59,009, from NSF award SES 0127722.

- **Elected Member**, International Statistical Institute, 2006
- **The Tjalling C. Koopmans Econometric Theory Prize**, 2000-2002 (with S. Sperlich and D. Tjøstheim) “Nonparametric estimation and testing of interaction in additive models” \$1,000.

Membership in Professional Societies

Elected Fellow and Life Member, American Statistical Association
 Elected Member, International Statistical Institute
 Life Member, Institute of Mathematical Statistics
 Life Member, International Chinese Statistical Association

Professional Activities

Editor	Sankhyā Series B January 1, 2012-
Associate Editor	Journal of Business & Economic Statistics July 1, 2012-
Associate Editor	Journal of Nonparametric Statistics 2007-
Associate Editor	Journal of Data Science 2007-2012
Associate Editor	Statistica Sinica, 2006-2011
Associate Editor	Computational Statistics, 2000-2006
Invited Session Speaker	ICSA International Conference, Hong Kong, December, 2013
Invited Session Speaker	Statistical Inference for Complex Time Series Data, Oberwolfach, September, 2013
Invited Session Speaker	ISI 59th World Statistics Congress, Hong Kong, August, 2013
Invited Session Speaker	The Joint Statistical Meeting, August, San Diego, 2012, Montréal, 2013
Invited Session Speaker	IMS-China, Chengdu, China, July, 2013
Invited Session Speaker	Financial Time Series Analysis: High-dimensionality, Non-stationarity and the Financial Crisis, National University of Singapore, June, 2012
Keynote Speaker	The 10th Meeting of the Jiangsu Society of Probability and Statistics, Suzhou, China, October, 2011
Invited Session Speaker	The First Wuxi International Statistics Forum, China, July, 2011
Invited Session Speaker	Workshop on Graphical Models and Related Topics Northeast Normal University, Changchun, China, July, 2011
Invited Session Organizer	Joint Statistics Meeting, August, 2005, 2008, 2009, 2011
Invited Session Speaker	IMS-APRM (1st Seoul, 2nd Tokyo), July, 2010, 2011
Invited Session Organizer	ICSA Applied Statistics Symposium, June, 2005-2007, 2009-2011
Invited Session Speaker	Spring Meeting of ENAR, March, 2008, 2011
Collaborative Research Visit	Department of Statistics, University of Georgia, April 1-15, 2010
Shoemaker Lecturer	Department of Mathematics, University of Toledo, March 17-19, 2010
Invited Session Speaker	Semiparametric Modelling of Multivariate Economic Time Series With Changing Dynamics, Oberwolfach, January, 2010
Proposal Reviewer	National Security Agency, 2009 & 2010
Invited Session Speaker	"New Directions in Asymptotic Statistics", UGA, 2009
Reviewer	Mathematical Review, 2008-
Statistics Program Quality Survey	National Research Council, May, 2007
Scholarship & Awards Committee	College of Natural Science, MSU, 2007-2010
Proposal Reviewer & Panelist	National Science Foundation, 2006
Invited Session Speaker	International Conference on Statistics in Honor of Professor Kai-Tai Fang's 65th Birthday, Hong Kong, June, 2005
Invited Session Organizer	ICSA International Conference, Singapore, July, 2004
Invited Session Speaker	International Symposium on Forecasting, Sydney, July, 2004
Invited Session Organizer	ISI 54th Session, Berlin, 2003

Peer-Reviewed Journal Publications (downloads at <http://www.stt.msu.edu/~yangli/papersall.html>)

1. Song, Q., Liu, R., Shao, Q., and Yang, L. (2013+) A simultaneous confidence band for dense longitudinal regression. *Communications in Statistics–Theory and Methods* accepted. DOI:10.1080/03610926.2012.729643
2. Ma, S. and Yang, L. (2013+) Oracally efficient two-step estimation for additive regression. *Handbook of Applied Nonparametric and Semiparametric Econometrics and Statistics* in press.
3. Liu, R., Yang, L. and Härdle, W. (2013) Oracally Efficient two-step estimation of generalized additive model. *Journal of the American Statistical Association* 108 (502), 619-631.
4. Cao, G., Todem, D., Yang, L. and Fine, J. (2013) Evaluating statistical hypotheses for non-identifiable models using estimating functions. *Scandinavian Journal of Statistics* 40 (2), 256-273.
5. Wang, J., Cheng, F. and Yang, L. (2013) Smooth simultaneous confidence bands for cumulative distribution functions. *Journal of Nonparametric Statistics* 25 (2), 395-407
6. Qiu, D., Shao, Q. and Yang, L. (2013) Efficient inference for autoregressive in the presence of trend. *Journal of Multivariate Analysis* 114 (1), 40-53.
7. Shao, Q. and Yang, L. (2012) Polynomial spline confidence band for time series trend. *Journal of Statistical Planning and Inference* 142 (7), 1678-1689.
8. Cao, G., Yang, L. and Todem, D. (2012) Simultaneous inference for the mean function based on dense functional data. *Journal of Nonparametric Statistics* 24 (2), 359-377.
9. Wang, L., Feng, C., Song, Q. and Yang, L. (2012) Efficient semiparametric GARCH modelling of financial volatility. *Statistica Sinica* 22 (1), 249-270.
10. Ma, S., Yang, L. and Carroll, R. (2012) A simultaneous confidence band for sparse longitudinal regression. *Statistica Sinica* 22 (1), 95-122.
11. Shao, Q. and Yang, L. (2011) Autoregressive coefficient estimation in nonparametric analysis. *Journal of Time Series Analysis* 32 (6), 587-597.
12. Mishra, D. K., Dolan, K. D. and Yang, L. (2011) Bootstrap confidence intervals for the kinetic parameters for degradation of anthocyanins in grape pomace. *Journal of Food Process Engineering* 34 (4), 1220-1233.
13. Ma, S., Yang, L., Romero, R. and Cui, Y. (2011) Varying coefficient model for gene-environment interaction: a non-linear look. *Bioinformatics* 27 (15), 2119-2126.
14. Ma, S. and Yang, L. (2011) A jump-detecting procedure based on spline estimation. *Journal of Nonparametric Statistics* 23 (1), 67-81.
15. Ma, S. and Yang, L. (2011) Spline-backfitted kernel smoothing of partially linear additive model. *Journal of Statistical Planning and Inference* 141 (1), 204-219. **Laha Award** at JSM 2009.
16. Wang, L. and Yang, L. (2010) Simultaneous confidence bands for time series prediction function. *Journal of Nonparametric Statistics* 22 (8), 999-1018.
17. Song, Q. and Yang, L. (2010) Oracally efficient spline smoothing of nonlinear additive autoregression model with simultaneous confidence band. *Journal of Multivariate Analysis* 101 (9), 2008-2025. **Laha Award** at JSM 2009.
18. Liu, R. and Yang, L. (2010) Spline-backfitted kernel smoothing of additive coefficient model. *Econometric Theory* 26 (1), 29-59.
19. Wang, J. and Yang, L. (2009) Efficient and fast spline-backfitted kernel smoothing of additive regression model. *Annals of the Institute of Statistical Mathematics* 61 (3), 663-690.

20. Song, Q. and Yang, L. (2009) Spline confidence bands for variance function. *Journal of Nonparametric Statistics* 21 (5), 589-609.
21. Wang, L. and Yang, L. (2009) Spline estimation of single index model. *Statistica Sinica* 19 (2), 765-783 + 15 pages of supplement. **Laha Award** at IMS Annual Meeting 2006.
22. Wang, J. and Yang, L. (2009) Polynomial spline confidence bands for regression curves. *Statistica Sinica* 19 (1), 325-342 + 11 pages of supplement. **Laha Award** at JSM 2005.
23. Liu, R. and Yang, L. (2008) Kernel estimation of multivariate cumulative distribution function. *Journal of Nonparametric Statistics* 20 (8), 661-677. **Laha Award** at JSM 2007.
24. Huang, X., Wang, L., Yang, L. and Kravchenko, A. N. (2008) Management practice effects on relationships of grain yields with topography and precipitation. *Agronomy Journal* 100 (5), 1463-1471.
25. Yang, L. (2008) Confidence band for additive regression model. *Journal of Data Science* 6 (2), 207-217.
26. Mishra D. K., Dolan, K. D. and Yang, L. (2008) Confidence intervals for modeling anthocyanin retention in grape pomace during non-isothermal heating. *Journal of Food Science* 73 (1), E9-E15.
27. Wang, L. and Yang, L. (2007) Spline-backfitted kernel smoothing of nonlinear additive autoregression model. *Annals of Statistics* 35 (6), 2474-2503.
28. Yang, L. (2007) Nonparametric modelling of quarterly unemployment rates. *Journal of Data Science* 5 (1), 85-101.
29. Dolan, K. D., Yang, L. and Trampel, C. P. (2007) Nonlinear regression technique to estimate kinetic parameters and confidence intervals in unsteady-state conduction-heated foods. *Journal of Food Engineering* 80 (2), 581-593.
30. Xue, L. and Yang, L. (2006) Additive coefficient modelling via polynomial spline. *Statistica Sinica* 16 (4), 1423-1446. **Laha Award** at JSM 2005.
31. Yang, L., Park, B. U., Xue, L. and Härdle, W. (2006) Estimation and testing of varying coefficients in additive models with marginal integration. *Journal of the American Statistical Association* 101 (475), 1212-1227.
32. Xue, L. and Yang, L. (2006) Estimation of semiparametric additive coefficient model. *Journal of Statistical Planning and Inference* 136 (8), 2506-2534. **ICSA Student Travel Award** 2004.
33. Yang, L. (2006) Semiparametric GARCH model and foreign exchange volatility. *Journal of Econometrics* 130 (2), 365-384.
34. Chen, R., Yang, L. and Hafner, C. (2004) Nonparametric multi-step ahead prediction in time series analysis. *Journal of the Royal Statistical Society Series B* 66 (3), 669-686.
35. Huang, J. and Yang, L. (2004) Identification of nonlinear additive autoregressive models. *Journal of the Royal Statistical Society Series B* 66 (2), 463-477.
36. Yang, L., Sperlich, S. and Härdle, W. (2003) Derivative estimation and testing in generalized additive models. *Journal of Statistical Planning and Inference* 115 (2), 521-542.
37. Simons, G., Yao, Y. and Yang, L. (2002) Doob, Ignatov and optional skipping. *Annals of Probability* 30 (4), 1933-1958.
38. Yang, L. and Tschernig, R. (2002) Non- and semiparametric identification of seasonal nonlinear autoregression models. *Econometric Theory* 18 (6), 1408-1448.

39. Sperlich, S., Tjøstheim, D. and Yang, L. (2002) Nonparametric estimation and testing of interaction in additive models. *Econometric Theory* 18 (2), 197-251. **Tjalling C. Koopmans Econometric Theory Prize.**
40. Yang, L. (2002) Direct estimation in an additive model when the components are proportional. *Statistica Sinica* 12 (3), 801-821.
41. Tschernig, R. and Yang, L. (2000) Nonparametric lag selection for time series. *Journal of Time Series Analysis* 21 (4), 457-487.
42. Yang, L. (2000) Finite nonparametric GARCH model for foreign exchange volatility. *Communications in Statistics-Theory and Methods* 29 (5 & 6), 1347-1365.
43. Yang, L. (2000) Root-n convergent transformation-kernel density estimation. *Journal of Nonparametric Statistics* 12 (4), 447-474.
44. Yang, L., Härdle, W. and Nielsen, J. P. (1999) Nonparametric autoregression with multiplicative volatility and additive mean. *Journal of Time Series Analysis* 20 (5), 579-604.
45. Yang, L. and Marron, J. S. (1999) Iterated transformation-kernel density estimation. *Journal of the American Statistical Association* 94 (446), 580-589.
46. Yang, L. and Tschernig, R. (1999) Multivariate bandwidth selection for local linear regression. *Journal of the Royal Statistical Society Series B* 61 (4), 793-815.
47. Härdle, W., Tsybakov, A. B. and Yang, L. (1998) Nonparametric vector autoregression. *Journal of Statistical Planning and Inference* 68 (2), 221-245.

Working Papers:

- i Liu, R. and Yang, L. (2009) Oracally efficient inference of a semiparametric GARCH model via cubic spline.
- ii Mishra, D. K., Dolan, K. D. and Yang, L. (2009) Multi-parameter estimation and parameter confidence regions for thermal degradation of anthocyanins.
- iii Dolan, K. D., Yang, L. and Trampel, C. P. (2009) Bootstrap method to calculate confidence intervals for nonisothermal microbial inactivation processes.
- iv Zheng, S., Wang, L. and Yang, L. (2011) Simultaneous inference for dense functional data via local linear estimator.

Other Publications

- I Tschernig, R. and Yang, L. (2003) Multiple index identification of nonlinear vector autoregression. *Bulletin of the International Statistical Institute 54th Session: Proceedings*, 326-329.
- II Härdle, W., Cizek, P. and Yang, L. (2002) Comments on “An adaptive estimation of dimension reduction space” by Xia et. al. *Journal of the Royal Statistical Society, Series B* 64 (3), 363-410.
- III Smith, H., Mutka, M. and Yang, L. (2001) Feedback scalability for multicast videoconferencing. *Proceedings of the International Conference on Networks*, 640-648.
- IV Yang, L. and Tschernig, R. (2000) Non- and semiparametric identification of seasonal nonlinear autoregression models. *Statistical Modelling: Proceedings of the 15th International Workshop on Statistical Modelling* (Núñez-Antón, Ferreira Ed), 288-293.
- V Grund, B. and Yang, L. (2000) Hazard regression. *XploRe: Applications Guide* (Härdle, Hlávka, Klinke Ed.), Springer-Verlag, 115-144.

- VI Härdle, W. and Yang, L. (1997) Nonparametric time series model selection. *Interface 96, Computing Science and Statistics*, 407-412.
- VII Härdle, W., Marron, J. S. and Yang, L. (1997) Discussion of “Polynomial splines and their tensor products in extended linear modelling”, by Stone et. al. *Annals of Statistics* 25 (4), 1443-1450.
- VIII Yang, L. (1995) Transformation-density estimation. Ph.D. dissertation, University of North Carolina, Institute of Statistics Mimeo Series #2337.

Conference and Seminar Talks

- 1 Statistical inference for functional data via simultaneous confidence regions. The Ninth ICSA International Conference, Hong Kong, China, December, 2013.
- 2 Oracally efficient estimation of ARMA model in the presence of trend. Applicable Semiparametrics, Berlin, October, 2013.
- 3 Oracally efficient estimation of ARMA model in the presence of trend. Joint Statistical Meeting, Montréal, August, 2013.
- 4 Oracally efficient estimation of ARMA model in the presence of trend. Tongji University, Shanghai, China, July, 2013.
- 5 Oracally efficient estimation of autoregressive error distribution with simultaneous confidence bands. Tongji University, Shanghai, China, July, 2013.
- 6 Generalized additive modelling of credit rating. Tongji University, Shanghai, China, July, 2013.
- 7 Statistical inference for functional data via simultaneous confidence regions. IMS-China, Chengdu, China, July, 2013.
- 8 Generalized additive modelling of credit rating. Capital University of Economics and Business, Beijing, China, December, 2012.
- 9 Generalized additive modelling of credit rating. Southeast University, Nanjing, China, October, 2012.
- 10 Efficient inference for autoregression in the presence of trend. Peking University, Beijing, China, June, 2012.
- 11 Generalized additive modelling of credit rating. Shandong University, Jinan, China, May, 2012.
- 12 Efficient inference for autoregression in the presence of trend. Shandong Normal University, Jinan, China, May, 2012.
- 13 Efficient inference for autoregression in the presence of trend. Tongji University, Shanghai, China, April, 2012.
- 14 Generalized additive modelling of credit rating. Nankai University, Tianjin, China, April, 2012.
- 15 Efficient inference for autoregression in the presence of trend. East China Normal University, November, 2011.
- 16 The effects of detrending on time series analysis. The Tenth Meeting of the Jiangsu Society of Probability and Statistics, Suzhou, China, October, 2011.
- 17 Generalized additive modelling of credit rating. The First Wuxi International Statistics Forum, Wuxi, China, July, 2011.
- 18 Generalized additive modelling of credit rating. Workshop on Graphical Models and Related Topics, Northeast Normal University, Changchun, China, July, 2011.

- 19 Generalized additive modelling of credit rating. Huazhong University of Science and Technology, Wuhan, China, April, 2011.
- 20 Two-step estimation of generalized additive model. Huazhong University of Science and Technology, Wuhan, China, April, 2011.
- 21 A simultaneous confidence band for sparse longitudinal regression. Statistics Workshop, Chinese Academy of Sciences, January, 2011.
- 22 A simultaneous confidence band for sparse longitudinal regression. East China Normal University, January, 2011.
- 23 Simultaneous inference for the mean function of dense functional data. Shanghai University of Finance and Economics, December, 2010.
- 24 Simultaneous inference for the mean function of dense functional data. Fudan University, December, 2010.
- 25 A jump-detecting procedure based on spline estimation. Joint Statistical Meeting, Vancouver, August, 2010.
- 26 A simultaneous confidence band for sparse longitudinal regression. National University of Singapore, June, 2010.
- 27 A simultaneous confidence band for sparse longitudinal regression. Peking University, May, 2010.
- 28 A simultaneous confidence band for sparse longitudinal regression. University of Science and Technology of China, May, 2010.
- 29 A simultaneous confidence band for sparse longitudinal regression. Soochow University, May, 2010.
- 30 A simultaneous confidence band for sparse longitudinal regression. University of Georgia, April, 2010.
- 31 Shoemaker Lecture III: A simultaneous confidence band for sparse longitudinal regression. University of Toledo, March, 2010.
- 32 Shoemaker Lecture II: Spline confidence bands for variance function. University of Toledo, March, 2010.
- 33 Shoemaker Lecture I: Polynomial Spline confidence bands for regression curves. University of Toledo, March, 2010.
- 34 Simultaneous confidence band for sparse longitudinal regression curve. Georgia State University, November, 2009.
- 35 Simultaneous confidence band for sparse longitudinal regression curve. Georgia Institute of Technology, November, 2009.
- 36 Simultaneous confidence band for sparse longitudinal regression curve. University of Michigan, October, 2009.
- 37 Spline confidence bands for variance function. Inverse Problems Symposium, Michigan State University, May 2009.
- 38 Spline-backfitted kernel smoothing of additive models in time series. Universität Göttingen, Göttingen, Germany, July 2008.
- 39 Spline-backfitted kernel smoothing of additive models in time series. Universität München (Munich), Munich, Germany, July 2008.

- 40 Spline-backfitted kernel smoothing of additive models in time series. Universität Regensburg, Regensburg, Germany, July 2008.
- 41 Spline-backfitted kernel smoothing of additive models in time series. Kazakh National University, Almaty, Kazakhstan, June 2008.
- 42 Spline single index prediction model. Spring Meeting of ENAR, Washington, D.C., March 2008.
- 43 Spline-backfitted kernel smoothing of additive models in time series. University of Central Florida, November 2007.
- 44 Spline-backfitted kernel smoothing of additive models in time series. Clemson University, October 2007.
- 45 Polynomial Spline confidence bands for regression curves, University of Georgia, October 2007.
- 46 Polynomial Spline confidence bands for regression curves. Georgia Institute of Technology, October 2007.
- 47 Spline-backfitted kernel smoothing of additive models in time series. Joint Statistical Meeting, Salt Lake City, August 2007.
- 48 Spline-backfitted kernel smoothing of additive models in time series. Oregon State University, May 2007.
- 49 Spline-backfitted kernel smoothing of additive models in time series. University of Manitoba, April 2007.
- 50 Spline single index prediction model. University of Illinois at Chicago, March 2007.
- 51 Spline-backfitted kernel smoothing of additive models in time series. Purdue University, March 2007.
- 52 The impact of economic intervention on environmental quality: a nonparametric analysis. Humboldt Universität, June 2006,
- 53 Spline confidence band and hypothesis testing of leaf area index trend in East Africa. Michigan State University, February 2006.
- 54 Efficient and fast spline-backfitted kernel smoothing of additive regression model. Texas A & M University, January 2006.
- 55 Confidence band and hypothesis testing of leaf area index trend. International Conference on Statistics in Honor of Professor Kai-Tai Fang's 65th Birthday, Hong Kong, June 2005.
- 56 Efficient and fast spline-backfitted kernel smoothing of additive regression model. National Tsing Hua University, Taiwan, June 2005.
- 57 Spline confidence band and hypothesis testing of leaf area index trend in East Africa. National Taiwan University, Taiwan, June 2005.
- 58 Efficient and fast spline-backfitted kernel smoothing of additive regression model. National University of Singapore, Singapore, May 2005.
- 59 Spline confidence band and hypothesis testing of leaf area index trend in East Africa. University of South Carolina, March 2005.
- 60 Spline confidence band and hypothesis testing of leaf area index trend in East Africa. Colorado State University, March 2005.
- 61 Spline confidence band and hypothesis testing of leaf area index trend in East Africa. Institute for Mathematical Sciences, National University of Singapore, Singapore, March 2005.
- 62 Nonparametric modelling of quarterly unemployment rates. Zhongnan University of Economics and Law, Wuhan, China, December 2004.

- 63 Additive coefficient modelling. Huazhong University of Science and Technology, Wuhan, China, December 2004.
- 64 Nonparametric modelling of quarterly unemployment rates. Huazhong University of Science and Technology, Wuhan, China, December 2004.
- 65 Nonparametric regression. Huazhong University of Science and Technology, Wuhan, China, November 2004.
- 66 Additive coefficient modelling. Beijing Normal University, Beijing, China, November 2004.
- 67 Additive coefficient modelling. Peking University, Beijing, China, November 2004.
- 68 Additive coefficient modelling. Chinese Academy of Sciences, Beijing, China, October 2004.
- 69 Nonparametric modelling of quarterly unemployment rates. Bureau of Labor Statistics, Washington D. C., July 2004.
- 70 Nonparametric modelling of quarterly unemployment rates. Twenty-fourth International Symposium on Forecasting, Sydney, Australia, July 2004.
- 71 Nonparametric multi-step ahead prediction in time series analysis. Bureau of Labor Statistics, Washington D. C., June 2003.
- 72 Non- and semiparametric identification of seasonal nonlinear autoregression models. Bureau of Labor Statistics, Washington D. C., April 2003.
- 73 Identification of additive nonlinear time series: selecting significant lags. Michigan State University, September 2002.
- 74 Nonparametric estimation of generalized impulse response functions. International Conference on Current Advances and Trends in Nonparametric Statistics, July 2002.
- 75 Identification of additive nonlinear time series: selecting significant lags. Universität Konstanz, Germany, July 2002.
- 76 Identification of additive nonlinear time series: selecting significant lags. Econometrics Seminar, Humboldt Universität, July 2002.
- 77 Identification of additive nonlinear time series: selecting significant lags. University of North Carolina-Charlotte, May 2002.
- 78 Direct estimation in an additive model when the components are proportional. Statistics Colloquium, Wharton School, University of Pennsylvania, September 2001.
- 79 Direct estimation in an additive model when the components are proportional. Statistik-Kolloquium, Universität Giessen, Germany, July 2001.
- 80 Direct estimation in an additive model when the components are proportional. ICSA 2001 Applied Statistics Symposium, Chicago, June 2001.
- 81 Nonparametric estimation of generalized impulse response functions. Statistics Colloquium, Wharton School, University of Pennsylvania, November 2000.
- 82 Nonparametric estimation and testing of interaction in additive models. Joint Statistical Meeting, Indianapolis, August 2000.
- 83 Non- and semiparametric identification of seasonal nonlinear autoregression models. Fifteenth International Workshop on Statistical Modelling, Bilbao, Spain, July 2000.

- 84 Nonparametric multi-step ahead prediction in time series analysis. Twentieth International Symposium on Forecasting, Lisbon, Portugal, June 2000.
- 85 Non- and semiparametric identification of seasonal nonlinear autoregression models. Fifth Congress of Bernoulli Society, Guanajuato, Mexico, May 2000.
- 86 Finite nonparametric GARCH model for foreign exchange volatility. ICSA 1999 Applied Statistics Symposium, Georgetown University, June 1999.
- 87 Multivariate bandwidth selection for local linear regression. Weierstrass Institute of Applied Analysis and Stochastics, July 1998.
- 88 Transformation-kernel density estimation. University of Michigan, April 1998.
- 89 Nonparametric time series model selection. Chinese Academy of Sciences, Beijing, China, June 1997.
- 90 Nonparametric time series model selection. Peking University, Beijing, China, June 1997.
- 91 Nonparametric time series model selection. University of California, Santa Barbara, March 1997.
- 92 Nonparametric time series model selection. Michigan State University, February 1997.
- 93 Nonparametric time series model selection. Georgia Institute of Technology, January 1997.
- 94 Nonparametric time series model selection. Charles University, Czech Republic, December 1996.
- 95 Nonparametric time series model selection. Tilburg University, Netherland, November 1996.
- 96 Nonparametric time series model selection. Weierstrass Institute of Applied Analysis and Stochastics, October 1996.
- 97 Nonparametric time series model selection. Sydney International Statistical Congress, Sydney, Australia, July 1996.
- 98 Nonparametric time series analysis. Sixteenth Meeting of the French-Belgian Statisticians: Nonlinear Time Series Models, Brussels, Belgium, November 23-24, 1995.
- 99 Transformation density estimation. Rutgers University, New Jersey, February 1995.
- 100 The use of transformation in kernel smoothing. The Annual IMS meeting, Chapel Hill, North Carolina, June 1994.

Promotion Evaluation for

- **Associate Professorship with Tenure at**

Georgia State U, Illinois State U, University of New Hampshire	2008, all successes
Colorado State U, Purdue U, University of Central Florida	2009, all successes
Indiana University Purdue University Indianapolis	2010, success
University of Georgia, University of Illinois at Urbana-Champaign	2011, all successes
Virginia Polytechnic Institute and State University, Clemson University	2012, all successes
University of Illinois at Chicago, College of William & Mary	2013, all successes
- **Full Professorship with Tenure at**

University of Minnesota at Duluth	2011, success
Shanghai University of Finance and Economics	2013, success
Baylor University	2014,

Guidance of Ph. D. students (7 students, 8 descendants)

Lan Xue Fall 2002-Summer 2005, Michigan State University
Associate/Assistant Professor 2011-/2005-2011, Department of Statistics, Oregon State University; **Laha** Award, 2005; **Elected Member**, International Statistical Institute, 2007; P.I., **NSF** award DMS 0906739

Jing Wang Spring 2003-Spring 2006, Michigan State University
Associate/Assistant Professor 2012-/2006-2012, Department of Mathematics, Statistics, and Computer Science, University of Illinois at Chicago; **Laha** Award, 2005; **Elected Member**, International Statistical Institute, 2010; P.I., **NSF** award DMS 1107017

Li Wang Fall 2004-Spring 2007, Michigan State University
Associate/Assistant Professor 2013-/2007-2013, Department of Statistics, University of Georgia; **Laha** Award, 2006; **Chinese Government Award** for Outstanding Self-Financed Students Abroad, 2006; **Elected Member**, International Statistical Institute, 2008; P.I., **NSF** award DMS 0905730; P.I., **ASA/NSF/BLS** Research Fellowship; Co-P.I., **NSF** award DMS 1106816; P.I., **NSF** award DMS 1309800

Rong Liu Fall 2005-Summer 2009, Michigan State University
Assistant Professor 2009-, Department of Mathematics and Statistics, University of Toledo; **Laha** Award, 2007; **Elected Member**, International Statistical Institute, 2013

Qiongxia Song Fall 2007-Summer 2010, Michigan State University
Assistant Professor 2010-, Department of Mathematical Sciences, University of Texas at Dallas; **Laha** Award, 2009; **Elected Member**, International Statistical Institute, 2011

Shujie Ma Fall 2007-Summer 2011, Michigan State University
Assistant Professor 2011-, Department of Statistics, University of California at Riverside; **Laha** Award, 2009; **Chinese Government Award** for Outstanding Self-Financed Students Abroad, 2010; **Elected Member**, International Statistical Institute, 2012; P.I., **NSF** award DMS 1306972

Guanqun Cao (co-advisor, David Todem) Spring 2009-Summer 2012, Michigan State University
Assistant Professor 2012-, Department of Mathematics and Statistics, Auburn University; **Laha** Award, 2011

Shuzhuan Zheng (co-advisor, Lifeng Wang) Spring 2009-, Michigan State University

Lijie Gu Fall 2011-, Soochow University

Jiangyan Wang Fall 2013-, Soochow University

Guidance of Other MSU Ph. D. students

Statistics: Wenmei Huang Fall 2005-, Hao Ren Spring 2009-summer 2011, Wei-Wen Hsu Spring 2009-Summer 2011, Shaoyu Li Fall 2007-Summer 2011, Xiaoqin Tang Spring 2008-Fall 2010, Qi Yan Fall 2009-Spring 2010, Yongfang Zhu Fall 2003-Fall 2008, Jun Luo Spring 2004-Fall 2006, Hongwen Guo Spring 2006-Spring 2006, Mingxin Wu Fall 2004-Spring 2006, Tingting Yi Spring 2003-Summer 2005, Fang Li Fall 2000-Spring 2004, Pingping Ni Fall 1999-Spring 2002; **Economics:** Shengwu Shang Fall 2010-, Jingjing Yang Fall 2007-Fall 2010, Panutat Satchachai Fall 2006-Summer 2009; **Measurement and Quantitative Methods:** Qi Diao Fall 2006-Fall 2009; **Agricultural Economics:** Zhiying Xu Fall 2005-Fall 2007; **Geography:** Jianjun Ge Fall 2005-Spring 2007; **Education:** Deping Li Spring 2004-Summer 2005; **Computer Science:** Hamed Valizadegan Fall 2005-, Yilu Zhang Spring 1999-Fall 2002, Wey Shiuan Hwang Fall 1998-Fall 1999; **Biosystems**

Engineering: Dharmendra Kumar Mishra Summer 2005-; **Civil Engineering:** Ruihua Tao Spring 1999-Fall 2002

Referee Service (over 110 in total, *more than once)

Advances in Statistical Analysis, Advances in Water Resources, American Statistician, Annals of the Institute of Statistical Mathematics*, Annals of Statistics*, Applied Stochastic Models in Business and Industry, Australian and New Zealand Journal of Statistics/Australian Journal of Statistics*, Biometrics, Biometrika*, Canadian Journal of Statistics*, Computational Statistics, Computational Statistics and Data Analysis*, Econometric Theory*, Electronic Journal of Statistics, IEEE Transactions on Automatic Control*, International Journal of Environmental Studies*, Journal of Applied Econometrics, Journal of Business and Economic Statistics*, Journal of Computational and Graphical Statistics*, Journal of Econometrics, Journal of Empirical Finance*, Journal of the Royal Statistical Society, Series B*, Journal of Statistical Planning and Inference*, Journal of the American Statistical Association*, Journal of Time Series Analysis*, Journal of Multivariate Analysis*, Journal of Nonparametric Statistics*, Probability Theory and Related Fields*, Sankhya, Scandinavian Journal of Statistics, Statistica Sinica*, Statistical Science, Statistics*, Statistics and Computing*, Statistics and Decisions, Statistics and Probability Letters*