

1 Biographical Data

NAME

Peihua Qiu

EDUCATION

Time Period	Degree	Major	Institution
Sept 93 - Dec 96	Ph.D.	Statistics	University of Wisconsin-Madison
Jan 92 - Aug 93	M.S.	Statistics	University of Georgia
Aug 86 - July 89	M.S.	Statistics	Fudan University, P.R. China
Aug 82 - July 86	B.S.	Mathematics	Fudan University, P.R. China

EMPLOYMENT

Time Period	Job Title	Institution
July 16 - Jan 16 -	Joint Faculty Director	Department of Surgery, UF COM BERD, UF CTSI
July 13 - Aug 07 - June 13	Professor and Founding Chair Full Professor	University of Florida, Biostatistics University of Minnesota, Statistics
Aug 02 - Aug 07	Associate Professor	University of Minnesota, Statistics
Aug 98 - Aug 02	Assistant Professor	University of Minnesota, Statistics
Nov 96 - Aug 98	Consulting Manager	Ohio State University, Biostatistics

SHORT RESEARCH VISITS

Time Period	Job Title	Institution
06/27/14-07/06/14	Visiting Fellow	National Center for Theoretical Sciences, Taiwan
01/20/12-03/05/12	Visiting Fellow	University of Melbourne, Australia
08/14/11-08/27/11	Visiting Fellow	University of Texas at Houston
05/25/08-06/25/08	Visiting Fellow	Nankai University, China
07/15/06-07/25/06	Visiting Fellow	National Taiwan University, Taiwan
06/13/05-06/19/05	Visiting Fellow	Universite catholique de Louvain, Belgium
09/01/04-11/30/04	Visiting Fellow	Australian National University, Australia
01/05/04-01/15/04	Visiting Fellow	Universite catholique de Louvain, Belgium
08/20/03-09/01/03	Visiting Fellow	Universite catholique de Louvain, Belgium
05/23/02-06/20/02	Visiting Fellow	Australian National University, Australia

2 Scholarship/Creative Activity

RESEARCH MONOGRAPH

1. Qiu, P. (2005), *Image Processing and Jump Regression Analysis*, New York: John Wiley & Sons (Inaugural Ziegel prize winner, sponsored by *Technometrics*, 2007).
2. Qiu, P. (2014), *Introduction to Statistical Process Control*, Boca Raton, FL: Chapman & Hall/CRC.

REFEREED BOOK CHAPTERS

3. Qiu, P. (2017), “Statistical Process Control Charts as a Tool for Analyzing Big Data,” In *Big and Complex Data Analysis: Statistical Methodologies and Applications* (Ejaz Ahmed ed.), 123–138, Springer.
4. Qiu, P. (2011), “Jump Regression Analysis,” In *International Encyclopedia of Statistical Sciences* (Miodrag Lovric ed.), 702–704, Springer.
5. Potegal, M., and Qiu, P. (2010), “Anger in children’s tantrums: a new quantitative, behaviorally based model,” In *International Handbook of Anger* (Eds, M. Potegal, G. Stemmler, and C. Spielberger), pp. 193–217, New York: Springer.
6. Qiu, P. (2009), “Image restoration,” In *Wiley Interdisciplinary Reviews: Computational Statistics*, **1**, 110–113, John Wiley & Sons.
7. Hawkins, D.M., Qiu, P., and Zamba, K.D. (2008), “Change-point methods,” *Encyclopedia of Statistics in Quality and Reliability*, John Wiley & Sons.
8. Hsu, J.C., Qiu, P., Hin, L.Y., Mutti, D.O., and Zadnik, K. (2004), “Multiple comparisons with the best ROC curve,” In *IMS Lecture Notes 47, New Developments in Multiple Comparison Procedures* (Y. Benjamini, S. Sarkar, and F. Bretz, eds), 65–75.
9. Qiu, P. (2000), “Some recent developments on edge detection and image reconstruction based on local smoothing and nonparametric regression,” in book *Recent Research Developments in Pattern Recognition*, Vol. 1, 41–49.

EDITED CONFERENCE PROCEEDINGS

10. *Proceedings of the 2nd International Congress on Image and Signal Processing (CISP09)*, vol. 1–9 (Editors: Qiu, P., Yiu, C., Zhang, H., and Wen, X.), New York: IEEE, Inc.
11. *Proceedings of the 4th International Congress on Image and Signal Processing (CISP11)*, vol. 1–5 (Editors: Qiu, P., Xiang, Y., Ding, Y., Li, D., and Wang, L.), New York: IEEE, Inc.

PAPERS PUBLISHED IN REFEREED JOURNALS

12. Dave, C.V., Kesselheim, A.S., Fox, E.R., Qiu, P., and Hartzema, A., “High generic drug prices and market competition levels: a retrospective cohort study,” *Annals of Internal Medicine*, in press.
13. Zang, Y., and Qiu, P., “Phase I Monitoring of Spatial Surface Data from 3D Printing,” *Technometrics*, in press.
14. Li, J., and Qiu, P., “Construction of An Efficient Multivariate Dynamic Screening System,” *Quality and Reliability Engineering International*, in press.
15. Qiu, P. (2017), “Peter Hall: My Mentor, Collaborator, and Friend,” *Statistica Sinica*, in press.
16. Park, K.Y., and Qiu, P. (2017), “Evaluation of the Treatment Time-Lag Effect for Survival Data,” *Life-Time Data Analysis*, in press.
17. Chen, Z., Huang, H., and Qiu, P. (2017), “An Improved Two-Stage Procedure to Compare Hazard Curves,” *Journal of Statistical Computation and Simulation*, **87(9)**, 1877–1886.
18. Song, H., and Qiu, P. (2017), “Intensity-Based 3D Local Image Registration,” *Pattern Recognition Letters*, **94** 15–21.
19. Qiu, P., Yang, K., and You, L. (2017), Discussion of “Post Selection Shrinkage Estimation for High Dimensional Data Analysis,” *Applied Stochastic Models in Business and Industry*, **33(2)**, 123-125.
20. Song, H., and Qiu, P. (2017), “A Parametric Intensity-Based 3D Image Registration Method for Magnetic Resonance Imaging,” *Signal, Image and Video Processing*, **11**, 455–462.
21. Li, J., and Qiu, P. (2016), “Nonparametric Dynamic Screening System for Monitoring Correlated Longitudinal Data,” *IIE Transactions*, **48**, 772–786.
22. Chen, Z., Huang, H., and Qiu, P. (2016), “Comparing Multiple Hazard Rate Functions,” *Biometrics*, **72**, 39–45..
23. Paynabar, K., Qiu, P., and Zou, C. (2016), “A Change Point Approach for Phase-I Analysis in Multivariate Profiles Monitoring and Diagnosis,” *Technometrics*, **58**, 191–204.
24. Zhang, J., Qiu, P., and Chen, X. (2016), “Statistical monitoring-based alarming systems in modeling the AIDS epidemic in the US, 1985-2011,” *Current HIV Research*, **14**, 130–137.
25. Liang, F., Song, Q., and Qiu, P. (2015), “An equivalent measure of partial correlation coefficients for high dimensional Gaussian graphical models,” *JASA*, **110**, 1248–1265.
26. Kang, Y., Gong, X., Gao, J., and Qiu, P. (2015), “Jump Detection in Generalized Error-in-Variables Regression with an Application to Australian Health Tax Policies,” *Annals of Applied Statistics*, **9**, 883–900.
27. Zhang, J., Kang, Y., Yang, Y., and Qiu, P. (2015), “Statistical monitoring of the hand, foot, and mouth disease in China,” *Biometrics*, **71**, 841–850.
28. Qiu, P., and Xiang, D. (2015), “Multivariate Dynamic Screening System For Identifying Irregular Longitudinal Patterns,” *Statistics in Medicine*, **34**, 2204–2221.

29. Xia, Z., and Qiu, P. (2015), “Jump Information Criterion for Statistical Inference in Estimating Discontinuous Curves,” *Biometrika*, **102**, 397–408.
30. Qiu, P., and Kang, Y. (2015), “Blind Image Deblurring Using Jump Regression Analysis,” *Statistica Sinica*, **25**, 879–899.
31. Qiu, P., and Zhang, J. (2015), “On Phase II SPC In Cases When Normality Is Invalid,” *Quality and Reliability Engineering International*, **31**, 27–35.
32. Mukherjee, P.S., and Qiu, P. (2015), “Image Denoising by a Local Clustering Framework,” *Journal of Computational and Graphical Statistics*, **24**, 254–273.
33. Kang, Y., and Qiu, P. (2014), “Jump Detection In Blurred Regression Surfaces,” *Technometrics*, **56**, 539–550.
34. Park, K.Y., and Qiu, P. (2014), “Model Selection and Diagnostics For Joint Modeling Of Survival And Longitudinal Data With Crossing Hazard Rate Functions,” *Statistics in Medicine*, **33**, 4532–4546.
35. Li, Z., and Qiu, P. (2014), “Statistical Process Control Using Dynamic Sampling,” *Technometrics*, **56**, 325–335.
36. Qiu, P., and Xiang, D. (2014), “Statistical Process Screening System: An Approach For Dynamically Identifying Irregular Individuals,” *Technometrics*, **56**, 248–260.
37. He, J., Qiu, P., Park, K.Y., Xu, Q., and Potegal, M. (2013), “Anger and Distress Emotion Clusters in Young Chinese Childrens Responses to Toy Removal as Determined from Behavioral Time Course,” *International Journal of Behavioral Development*, **37**, 349–356.
38. Mukherjee, P.S., and Qiu, P. (2013), “Efficient Bias Correction For MRI Image Denoising,” *Statistics in Medicine*, **32**, 2079–2096.
39. Qiu, P., and Xing, C. (2013), “Feature Based Image Registration Using Non-Degenerate Pixels,” *Signal Processing*, **93**, 706–720.
40. Qiu, P., and Xing, C. (2013), “On Nonparametric Image Registration,” *Technometrics*, **55**, 174–188.
41. Xiang, D., Qiu, P., and Pu, X. (2013), “Local polynomial regression analysis of multivariate longitudinal data,” *Statistica Sinica*, **23**, 769–789.
42. Li, Z., Qiu, P., Chatterjee, S., and Wang, Z. (2013), “Using P-Values To Design Statistical Process Control Charts,” *Statistical Papers*, **54**, 523–539.
43. Liu, X., Zhu, X., Qiu, P., and Chen, W. (2012), “A correlation-matrix-based hierarchical clustering method for functional connectivity analysis,” *Journal of Neuroscience Methods*, **211**, 94–102.
44. Qiu, P., and Mukherjee, P.S. (2012), “Edge structure preserving 3-D image denoising by local surface approximation,” *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **34**, 1457–1468.

45. Qiu, P., and Li, Z. (2011), “On Nonparametric Statistical Process Control Of Univariate Processes,” *Technometrics*, **53**, 390–405.
46. Qiu, P., and Li, Z. (2011), “Distribution-Free Monitoring of Univariate Processes,” *Statistics and Probability Letters*, **81**, 1833–1840.
47. Xing, C., and Qiu, P. (2011), “Intensity Based Image Registration By Nonparametric Smoothing,” *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **33**, 2081–2092.
48. Mukherjee, P.S., and Qiu, P. (2011), “3-D Image Denoising By Local Smoothing and Nonparametric Regression,” *Technometrics*, **53**, 196–208.
49. Qiu, P., and Mukherjee, P.S. (2010), “Edge structure preserving image denoising,” *Signal Processing*, **90**, 2851–2862.
50. Huang, X., and Qiu, P. (2010), “Blind Deconvolution For Jump-Preserving Curve Estimation,” *Mathematical Problems in Engineering*, **2010**, Article ID 350849, 1–9.
51. Qiu, P., and Zou, C. (2010), “Control Chart For Monitoring Nonparametric Profiles With Arbitrary Design,” *Statistica Sinica*, **20**, 1655–1682.
52. Qiu, P., Zou, C., and Wang, Z. (2010), “Nonparametric profile monitoring by mixed effects modeling (with discussions),” *Technometrics*, **52**, 265–277.
53. Qiu, P., Zou, C., and Wang, Z. (2010), “Nonparametric profile monitoring by mixed effects modeling - Rejoinder,” *Technometrics*, **52**, 288–293.
54. Cheng, M., Qiu, P., Tan, X., and Tu, D. (2009), “Nonparametric Confidence Intervals for the Crossing Point of Two Hazard Functions,” *Lifetime Data Analysis*, **15**, 441–454.
55. Zhang, B., Su, Z., and Qiu, P. (2009), “On Jump Detection In Regression Curves Using Local Polynomial Kernel Estimation,” *Pakistan Journal of Statistics*, **25**, 505–528. (Note: This is an invited submission to celebrate the 25th anniversary of the journal.)
56. Zou, C., and Qiu, P. (2009), “Multivariate statistical process control using LASSO,” *JASA*, **104**, 1586–1596.
57. Qiu, P., Yang, R., and Potegal, M. (2009), “Statistical Modeling of the Time Course of Tantrum Anger,” *Annals of Applied Statistics*, **3**, 1013–1034.
58. Joo, J.H., and Qiu, P. (2009), “Jump detection in a regression curve and its derivative,” *Technometrics*, **51**, 289–305.
59. Zou, C., Qiu, P., and Hawkins, D.M. (2009), “Nonparametric control chart for monitoring profiles using the change point formulation,” *Statistics Sinica*, **19**, 1337–1357.
60. Chatterjee, S., and Qiu, P. (2009), “Distribution-Free Statistical Process Control With Bootstrap Cumulative Sum Control Charts,” *Annals of Applied Statistics*, **3**, 349–369
61. Qiu, P., and Sun, J. (2009), “Using conventional edge detectors and post-smoothing for segmentation of spotted microarray images,” *Journal of Computational and Graphical Statistics*, **18**, 147–164.

62. Qiu, P. (2009), “Jump-preserving surface reconstruction from noisy data,” *Annals of the Institute of Statistical Mathematics*, **61**, 715–751.
63. Qiu, P. (2008), “Nonparametric estimation of the point spread function for blind image deblurring,” *Computational Statistics and Data Analysis*, **52**, 4828–4841.
64. Qiu, P. (2008), “Distribution-Free Multivariate Process Control Based On Log-Linear Modeling,” *IIE Transactions*, **40**, 664–677.
(Note: This paper was featured by an article published in the *Industrial Engineer* magazine, **40**, 2008, 53–54.)
65. Hall, P., Qiu, P., and Rau, C. (2008), “Tracking edges, corners and vertices in an image,” *Scandinavian Journal of Statistics*, **35**, 1–17.
66. Qiu, P., and Sheng, J. (2008), “A Two-Stage Procedure For Comparing Hazard Rate Functions,” *JRSS-B*, **70**, 191–208.
67. Qiu, P., and Sun, J. (2007), “Local smoothing image segmentation for spotted microarray images,” *JASA*, **102**, 1129–1144.
68. Sheng, J., and Qiu, P. (2007), “On p-value calculation for multi-stage additive tests,” *Journal of Statistical Computation and Simulation*, **77**, 1057–1064.
69. Hall, P., and Qiu, P. (2007), “Blind deconvolution and deblurring in image analysis,” *Statistica Sinica*, **17**, 1483–1509.
70. Hall, P., and Qiu, P. (2007), “Nonparametric estimation of a point spread function in multivariate problems,” *Annals of Statistics*, **35**, 1512–1534.
71. Qiu, P., (2007), “Jump surface estimation, edge detection, and image restoration,” *JASA*, **102**, 745–756.
72. Gijbels, I., Lambert, A., and Qiu, P. (2007), “Jump-preserving regression and smoothing using local linear fitting: a compromise,” *Annals of the Institute of Statistical Mathematics*, **59**, 235–272.
73. Sun, J., and Qiu, P. (2007), “Jump detection in regression surfaces using both first-order and second-order derivatives,” *Journal of Computational and Graphical Statistics*, **16**, 289–311.
74. Liu, K., Qiu, P., and Sheng, J. (2007), “Comparing two crossing hazard rates by Cox proportional hazards modeling,” *Statistics in Medicine*, **26**, 375–391.
75. Gijbels, I., Lambert, A., and Qiu, P. (2006), “Edge-Preserving Image Denoising and Estimation of Discontinuous Surfaces,” *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **28**, 1075–1087.
76. Delaigle, A., Hall, P., and Qiu, P. (2006), “Nonparametric methods for solving the Berkson errors-in-variables problem,” *JRSS-B*, Vol. 68, 201–220.
77. Hall, P., and Qiu, P. (2005), “Discrete transform approach to errors-in-variables problems,” *Biometrika*, Vol. 92, 135–148.

78. Qiu, P. (2004), "The local piecewisely linear kernel smoothing procedure for fitting jump regression surfaces," *Technometrics* Vol. 46, 87-98.
79. Qiu, P. (2003), "A jump-preserving curve fitting procedure based on local piecewise-linear kernel estimation," *Journal of Nonparametric Statistics*, Vol. 15, 437-453.
80. Hawkins, D., Qiu, P., and Chang, W.K. (2003), "The changepoint model for statistical process control," *Journal of Quality Technology*, Vol. 35, 355-366.
81. Qiu, P., and Hawkins, D. (2003), "A robust multivariate CUSUM procedure for detecting shifts in all directions", *JRSS-D*, Vol. 52, 151-164.
82. Qiu, P. (2002), "Regression modelling of a physiological parameter affected by both intrinsic and extrinsic factors," *Biometrical Journal*, Vol. 44, 887-902.
83. Qiu, P. (2002), "A nonparametric method to detect jumps in regression surface," *Journal of Computational and Graphical Statistics*, Vol. 11, 799-822.
84. Qiu, P. (2002), "Fitting a semiparametric model based on two sources of information," *Australian & New Zealand Journal of Statistics*, Vol. 44(1), 87-97.
85. Qiu, P., and Le, Chap (2001), "ROC curve estimation based on local smoothing," *Journal of Statistical Computation and Simulation*, Vol. 70, 55-69.
86. Qiu, P., and Hawkins, D. (2001), "A rank based multivariate CUSUM procedure", *Technometrics*, Vol. 43, 120-132.
87. Qiu, P., and Tsokos, C.P. (2000), "Accelerated life testing with Box-Cox transformation," *Sankhya (Series A)*, Vol. 62, 223-235.
88. Qiu, P., Moeschberger, M.L., Cooke, G.E., and Goldschmidt-Clermont, P.J. (2000), "Sample size to test for interaction between a specific exposure and a second risk factor in a pair-matched case-control study," *Statistics in Medicine*, Vol. 19, 923-935.
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91. Qiu, P., Chappell, R., Obermeyer, W., and Benca, R. (1999), "Modelling daily and subdaily cycles in rat sleep data," *Biometrics*, Vol. 55, 930-935.
92. Qiu, P. (1998), "Discontinuous regression surfaces fitting," *The Annals of Statistics*, Vol. 26, 2218-2245.
93. Qiu, P., and Yandell, B. (1998), "A local polynomial jump detection algorithm in nonparametric regression," *Technometrics*, Vol. 40, 141-152.
94. Qiu, P., and Yandell, B. (1997), "Jump detection in regression surface", *Journal of Computational and Graphical Statistics*, Vol. 6, 332-354.

95. Qiu, P. (1997), “Nonparametric estimation of the jump regression surface,” *Sankhya (Series A)*, Vol. 59, 268-294.
96. Qiu, P., and Bhandarkar, S.M. (1996), “An edge detection technique using local smoothing and statistical hypothesis testing,” *Pattern Recognition Letters*, Vol. 17, 849-872.
97. Qiu, P. (1994), “Estimation of the number of jumps of the jump regression functions,” *Communications in Statistics-Theory and Methods*, Vol. 23, 2141-2155.
98. Qiu, P. (1993), “Strongly consistent estimates of two classes of jump regression functions,” *Chinese Journal of Applied Probability and Statistics*, Vol. 9, 116-122.
99. Qiu, P., and Shi, X.Q. (1993), “Generalized statistical function method,” *Acta Mathematica Scientia*, Vol. 13, 421-429.
100. Qiu, P. (1991), “Estimation of a kind of jump regression functions,” *Systems Science and Mathematical Sciences*, Vol. 4, 1-13.
101. Qiu, P., Asano, Ch., and Li, X. (1991), “Estimation of jump regression functions,” *Bulletin of Informatics and Cybernetics*, Vol. 24, 197-212.
102. Qiu, P., and Liu, K. (1990), “A new branch of statistics-smoothing spline method,” *Chinese Journal of Applied Probability and Statistics*, Vol. 6, 96-107.

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

(NOTE: Items with * are peer reviewed)

103. *Qiu, P., and Mukherjee, P.S. (2011), “Edge structure preserving 3-D image denoising,” In *Applications of Mathematics and Computer Engineering* (A. Zemliak and N. Mastorakis ed.), pp. 111–116, WSEAS Press.
104. *Qiu, P., and Xing, C. (2010), “Intensity based nonparametric image registration,” *Proceedings of the 2010 ACM SIGMM International Conference on Multimedia Information Retrieval*, pp. 221–225, Philadelphia, PA.
105. *Qiu, P., and Nguyen, T. (2008), “On image registration in magnetic resonance imaging,” *IEEE Proceedings of the 2008 International Conference on BioMedical Engineering and Informatics*, 753–757.
106. Qiu, P. (2005), Discussion about the three presentations of the invited session “Image reconstruction, edge detection and feature-tracking,” Bulletins of the ISI 55th session, CD-ROM.
107. Qiu, P. (1999), “Comparisons of several local smoothing jump detectors in one-dimensional nonparametric regression,” *The 1999 ASA Proceedings of the Statistical Computing Section*, 150–155.
108. Qiu, P., and Yandell, B. (1996), “Discontinuity detection in regression surface” *The 1996 ASA Proceedings of the Statistical Computing Section*, 85–90.
109. Qiu, P. (1990), “Jump regression function and forecasting,” *Proceedings of the 4th Annual Conference of the Japanese Society of Computational Statistics*, 13–16, Fukuoka, Japan.

EDITORIALS AND BOOK REVIEWS

110. Qiu, P. (2016), “Big Data? More Challenges!” *Technometrics*, **58**, 283–284.
111. Qiu, P. (2016), “Technometrics Highlights: Big Data Featured in August Special Issue,” *Amstat News*, August 2016, 24–25.
112. Qiu, P. (2015), “Editorial Announcement,” *Technometrics*, **57**, page 445.
113. Qiu, P. (2015), “Editor’s Report,” *Technometrics*, **57**, 446–448.
114. Qiu, P. (2015), “Technometrics Highlights: Dimension Reduction, Functional Data Analysis, Experimental Designs, Gaussian Processes Featured in February Issue,” *Amstat News*, February 2015, online.
115. Chakraborti, S., Qiu, P., and Mukherjee, A. (2015), “Editorial to the Special Issue: Nonparametric Statistical Process Control Charts,” *Quality and Reliability Engineering International*, **31**, 1–2.
116. Qiu, P. (2014), “Editor’s Report,” *Technometrics*, **56**, 417–418.
117. Qiu, P. (2014), “Technometrics Highlights: Regression Diagnostics, Control Charts, and Bayesian Methods Featured in August Issue,” *Amstat News*, August 2014, online.
118. Qiu, P. (2014), “Technometrics Highlights: Bayesian Approaches for Modeling Computer Experiments Featured in May Issue,” *Amstat News*, June 2014, 11–12.
119. Qiu, P. (2014), “Technometrics Highlights: Experimental Design Featured in February Issue,” *Amstat News*, February 2014, 17–18.
120. Chakraborti, S, Qiu, P., and Mukherjee, A. (2013), “Nonparametric Statistical Process Control Charts-A Special Issue of QREI,” *Quality and Reliability Engineering International*, **29**, page 617.
121. Qiu, P. (2012), Review of *Microarray Image Analysis: An Algorithmic Approach* by Karl Fraser, Zidong Wang, and Xiaohui Liu, 2010, *Technometrics*, Vol. 54, page 199.
122. Qiu, P., Xiang, Y., Ding, Y., Li, D., and Wang, L. (2011), “Preface,” *Proceedings of the 4th International Congress on Image and Signal Processing*, New York: IEEE, Inc.
123. Qiu, P., C. Yiu, and L. Wang (2011), “Guest editorial: special issue on new trends in multimedia processing,” *Multimedia Tools and Applications*, Vol. 52(1), 1–4.
124. Qiu, P., C. Yiu, H. Zhang, and X. Wen (2009), “Preface,” *Proceedings of the 2nd International Congress on Image and Signal Processing*, New York: IEEE, Inc.
125. Qiu, P. (2008), Review of *Fuzzy Modeling and Fuzzy Control* by Huaguang Zhang and Derong Liu, Birkhäuser, 2006, *Technometrics*, Vol. 50, 408–409.
126. Qiu, P. (2005), Review of *Generalized Least Squares* by Takeaki Kariya and Hiroshi Kurata, John Wiley, 2004, *Technometrics*, Vol. 47, page 519.

127. Qiu, P. (2005), Review of *The Statistical Evaluation of Medical Tests for Classification and Prediction* by Margaret Sullivan Pepe, Oxford University Press, 2003, *JASA*, **100**, 2005, page 705.
128. Qiu, P. (2002), Review of *Statistical Analysis of Microstructures in Materials Science* by Joachim Ohser and Frank Mücklich, John Wiley & Sons, 2000, *Technometrics*, Vol. 44, page 86.
129. Qiu, P. (2000), Review of *Multivariate Image Analysis* by Paul Geladi and Hans Grahn, John Wiley & Sons, 1996, *Technometrics*, Vol. 42, 211–212.

CONFERENCE PRESENTATIONS

1. Qiu, P. (2017), “Effective Comparison of Two or More Hazard Rate Functions,” **invited talk**, 2017 Conference on Lifetime Data Science, May 25-27, 2017, University of Connecticut, Storrs, CT.
2. Qiu, P. (2017), “Comparison of two hazard rate functions,” **invited talk**, Biostatistics Workshop on Statistical Inference for Biomedical Big Data: Theory, Methods and Tools, April 7-8, 2017, UF Department of Biostatistics, Gainesville, FL.
3. Qiu, P. (2017), “Jump Regression, Image Processing, and Quality Control,” **plenary talk** (90-minute presentation followed by 90-minute discussions), 2017 Stu Hunter Research Conference, March 5-8, 2017, Copenhagen, Denmark.
4. Qiu, P. (2016), “Spatio-Temporal Monitoring of Disease Incidence Data,” **invited talk**, The 10th ICSA international conference, December 19-22, 2016, Shanghai Jiao Tong University, Shanghai, China.
5. Qiu, P. (2016), “Design SPC Charts Using p-Values and Process Monitoring Using a Dynamic Sampling Scheme,” **invited talk**, International Workshop on Engineering Statistics, December 17, 2016, East China Normal University, Shanghai, China.
6. Qiu, P. (2016), “Dynamic Screening: An Approach for Detecting Diseases Early,” **invited talk**, The 2nd Pacific Rim Statistical Conference for Production Engineering, December 15-16, 2016, Seoul National University, Korea.
7. Qiu, P. (2016), “Difference Detection Between Two Images For Image Monitoring,” **invited talk**, 2016 INFORMS Annual Meeting, November 13-16, 2016, Nashville, Tennessee.
8. Qiu, P. (2016), “Voice of the Editor (Technometrics),” **invited panel discussions**, 2016 INFORMS Annual Meeting, November 13-16, 2016, Nashville, Tennessee.
9. Qiu, P. (2016), “Design statistical process control charts using p-values and dynamic sampling intervals,” **invited talk**, The Fourth International Conference on the Interface between Statistics and Engineering 2016 (ICISE2016), June 20-22, 2016, University of Palermo, Italy.
10. Qiu, P. (2016), “Jump information criterion for estimating jump regression curves,” **invited talk**, 2016 ICSA Applied Statistics Symposium, June 12-15, 2016, Atlanta.

11. Qiu, P. (2015), “Some Recent Research on Nonparametric Statistical Process Control,” **invited mini-plenary talk**, The South African Statistical Association’s 57th Annual Conference, November 29 - December 2, 2015, University of Pretoria, South Africa.
12. Qiu, P. (2015), “Voice of the Editor (Technometrics),” **invited talk**, 2014 INFORMS annual meeting, November 1-4, 2014, Philadelphia, PA.
13. Qiu, P. (2015), “New SPC Methods for Monitoring Infectious Diseases,” **invited talk**, The 60th ISI World Statistics Congress (WSC), July 26-31, 2015, Rio de Janeiro, Brazil.
14. Qiu, P. (2015), “Dynamic Screening: An Approach for Expanding the SPC Applications,” **invited talk**, The 4th International Symposium on Statistical Process Monitoring (ISSPM 2015), July 7-9, 2015, Padova, Italy.
15. Qiu, P. (2015), “Jump information criterion for statistical inference in estimating discontinuous regression curves,” **invited talk**, The 10th International Conference on Frontiers of Statistics, June 25-26, 2015, Chinese Academy of Science, Beijing, China.
16. Qiu, P. (2015), “From nonparametric statistical process control to dynamic screening systems,” **invited talk**, 2015 Workshop on Frontiers in Industrial Statistics, June 18-21, 2015, Tianjin, China.
17. Qiu, P. (2014), “On nonparametric statistical process control,” **invited talk**, 2014 Pacific Rim Statistics Conference on Production Engineering, December 12-13, 2014, Fudan University, China.
18. Qiu, P. (2014), “Statistical Monitoring of the Hand, Foot and Mouth Disease,” **invited talk**, 2014 INFORMS annual meeting, November 9-12, 2014, San Francisco, CA.
19. Qiu, P. (2014), “Voice of the Editor (Technometrics),” **invited talk**, 2014 INFORMS annual meeting, November 9-12, 2014, San Francisco, CA.
20. Qiu, P. (2014), “My research in statistics and biostatistics,” **invited talk**, *The 6th FCFA Symposium of Science, Engineering, and Biomedicine*, August 29 - September 1, Daytona Beach Shores, Florida.
21. Qiu, P. (2014), “Statistical Process Screening System: An Approach For Identifying Irregular Longitudinal Patterns,” **invited talk**, 2014 NCTS/ISRG Workshop on *Recent Advances in Big Data and Industrial Statistics*, June 28-29, 2014, Hsinchu, Taiwan.
22. Qiu, P. (2014), “On nonparametric image registration,” **invited talk**, The 3rd IMS Asia Pacific Rim Meetings, June 29 - July 3, 2014, Taipei, Taiwan.
23. Qiu, P. (2014), “Disease Early Detection and Prevention by Dynamic Disease Screening System,” **invited poster**, 2014 ENAR Meeting, March 16–19, 2014, Baltimore, MD.
24. Qiu, P. (2014), “Disease Early Detection and Prevention by Dynamic Disease Screening System,” **invited talk**, 2014 ASA Florida-Chapter Annual Meeting, February 7–8, 2014, Gainesville, FL.

25. Qiu, P. (2014), “On Nonparametric Profile Monitoring,” **invited talk**, Workshop on Statistical and Computational Theory and Methodology for Big Data Analysis, February 9–14, 2014, Banff International Research Station, Banff, Canada.
26. Qiu, P. (2013), “On Nonparametric Statistical Process Control,” **invited talk**, 2013 INFORMS annual meeting, October 6-8, 2013, Minneapolis, MN.
27. Qiu, P. (2013), “Introduction to Some Image Processing Problems,” **invited talk**, 2013 INFORMS annual meeting, October 6-8, 2013, Minneapolis, MN.
28. Qiu, P. (2013), “Nonparametric Profile Monitoring,” **invited talk**, 2013 Joint Statistical Meeting, August 3–8, 2013, Montreal, Canada.
29. Qiu, P. (2013), “Some Recent Research On Nonparametric Profile Monitoring,” **invited talk**, Fourth International Workshop in Sequential Methodologies, July 18-21, 2013, University of Georgia, GA.
30. Qiu, P. (2013), “Big Data? More Challenges!” **Keynote speech**, 2nd International Symposium on System Informatics and Engineering, July 8-9, 2013, Xi’an, China.
31. Qiu, P. (2012), “Intensity Based Nonparametric Image Registration,” **plenary talk**, 4th International Conference on Computational Intelligence and Software Engineering (CiSE 2012), December 14 16, 2012, Wuhan, China.
32. Qiu, P. (2012), “Statistical Process Screening System: An Approach For Identifying Irregular Individuals,” **invited talk**, 2012 INFORMS annual meeting, October 14-17, 2012, Phoenix, AZ.
33. Qiu, P. (2012), “On Nonparametric Statistical Process Control of Univariate Processes,” *Technometrics* **invited talk with discussions**, 2012 INFORMS annual meeting, October 14-17, 2012, Phoenix, AZ.
34. Qiu, P. (2012), “Comments on the current image processing research,” **invited panelist**, September 9-12, 2012, Opening Workshop, Massive Datasets Program, SAMSI, NC.
35. Qiu, P. (2012), “On nonparametric image registration,” **invited talk**, IFNA World Congress 2012, June 25-July 1, 2012, University of Athens, Athens, Greece.
36. Qiu, P. (2011), “On Nonparametric Statistical Processes Control,” **plenary talk**, International Conference on Quality and Reliability Engineering, December 20-22, 2011, Bangalore, India.
37. Qiu, P. (2011), “On Nonparametric Statistical Process Control Of Univariate Processes,” **invited talk**, The First International Symposium on System Informatics and Engineering, July 11-13, 2011, Qingdao, China.
38. Qiu, P. (2011), “Intensity Based Nonparametric Image Registration,” **invited talk**, IMS-China International Conference on Statistics and Probability, July 8-11, 2011, Xi’An, China.
39. Qiu, P. (2011), “Comparison of Two Hazard Rate Functions,” **invited talk**, ICSA 2011 Applied Statistics Symposium, June 26-29, New York.

40. Qiu, P. (2011), “On Nonparametric Statistical Process Control Of Univariate Processes,” **invited talk**, 2011 Joint Research Conference on Statistics, June 22-24, 2011, Chicago.
41. Qiu, P. (2011), “3-D Image Denoising By Local Smoothing And Nonparametric Regression,” **invited talk**, 2011 IISA Conference on Probability, Statistics, and Data Analysis, April 21-24, 2011, Raleigh, NC, USA.
42. Qiu, P. (2011), “Local Surface Approximation for Edge Structure Preserving 3-D Image Denoising,” **plenary talk**, January 29-31, 2011, 5th WSEAS International Conference on COMPUTER ENGINEERING and APPLICATIONS (CEA '11), Puerto Morelos, Mexico.
43. Qiu, P. (2010), “Jump Regression Analysis and Image Processing,” **plenary talk**, September 13- 17, 2010, Annual Meeting of the German Statistical Society, Nurnberg, Germany.
44. Qiu, P. (2010), “Nonparametric Profile Monitoring By Mixed Effects Modeling,” **featured presentation with discussions**, *Technometrics* invited session, Joint Summer Meeting, July 31 - August 6, 2010, Vancouver, Canada.
45. Qiu, P. (2010), “Intensity Based Nonparametric Image Registration,” **invited talk**, July 19-20, 2010, Workshop for the Summer School, The Morningside Center of Mathematics, Chinese Academy of Science (CAS), Beijing, China.
46. Qiu, P. (2010), “Comparison of Two Hazard Rate Functions,” **invited talk**, July 17-18, 2010, First Joint Biostatistics Symposium, Renming University, Beijing, China.
47. Qiu, P. (2010), “Distribution-Free Statistical Process Control Of Univariate Processes,” **invited talk**, July 2-4, 2010, The international conference on Statistical Analysis of Complex Data (SACD), Yunnan University, Kunming, China.
48. Qiu, P. (2010), “Distribution-Free Statistical Process Control Of Univariate Processes,” **invited talk**, May 25-27, 2010, 2010 Joint Research Conference on Statistics, National Institute of Standards and Technology (NIST), Gaithersburg, MD.
49. Qiu, P. (2010), “Intensity Based Nonparametric Image Registration,” **invited talk**, March 29-31, 2010, ACM SIGMM International Conference on Multimedia Information Retrieval (MIR), Philadelphia, PA.
50. Qiu, P. (2009), “Jump Regression Analysis and Image Processing,” **special invited talk (50 minutes)**, December 5-7, 2009, The Winter 2009 Canadian Mathematical Society meeting, Windsor, Canada.
51. Qiu, P. (2009), “Intensity Based Nonparametric Image Registration,” **invited talk**, August 1-6, 2009, Joint Summer Meeting, Washington, DC.
52. Qiu, P. (2009), “Nonparametric profile monitoring,” **topic contributed talk**, 1st International Conference on the Interface between Statistics and Engineering, July 13-15, 2009, Beijing, China.
53. Qiu, P. (2009), “Nonparametric profile monitoring,” **invited talk**, IMS-China International Conference on Statistics and Probability, July 3-6, 2009, Weihai, China.

54. Qiu, P. (2009), “Blind Image Deblurring Using Nonparametric Regression,” **invited talk**, May 15-16, 2009, Symposium on “New Directions in Asymptotic Statistics”, University of Georgia, Athens, Georgia, USA.
55. Qiu, P. (2008), “On Image Registration In Magnetic Resonance Imaging,” **invited talk**, May 27-30, 2008, International Conference on BioMedical Engineering and Informatics, Sanya, Hainan, China.
56. Qiu, P. (2008), “Local smoothing segmentation for spotted microarray images,” **invited talk**, June 11-13, 2008, IMS-China International Conference on Statistics and Probability, Hangzhou, China.
57. Qiu, P. (2007), “Nonparametric Estimation Of The Point Spread Function For Blind Image Deblurring,” **invited talk**, June 10-13, 35th Annual Meeting of the Statistical Society of Canada, Memorial University of Newfoundland, St. Johns, Canada.
58. Qiu, P. (2007), “A Two-Stage Procedure For Comparing Hazard Rate Functions,” **topic contributed talk**, July 29 - August 2, 2007, Joint Summer Meeting, Salt Lake City, Utah.
59. Qiu, P. (2006), “Distribution-free multivariate process control based on log-linear modeling,” 2006 Joint Summer Meeting, **topic contributed talk**, August 6-10, 2006, Seattle, Washington.
60. Qiu, P. (2006), “Nonparametric multivariate statistical process control,” 2006 International Conference on Design of Experiments and Its Applications, **invited talk**, July 9-13, 2006, Nankai University, Tianjing, China.
61. Qiu, P. (2006), “Jump-preserving curve estimation by local linear kernel smoothing,” 2006 ICSA Applied Statistics Symposium, **invited talk**, June 14-17, 2006, University of Connecticut Storrs campus.
62. Qiu, P., and Hall, P. (2005), “Direct Methods for Determining a Point-Spread Function in Image Analysis, Without the Benefit of a Model,” joint meeting sponsored by Institute of Mathematical Statistics (IMS) and Chinese Society of Probability and Statistics (CSPS), **invited talk**, July 9-12, 2005, Peking University, Beijing, China.
63. Qiu, P. (2005), “Nonparametric estimation of the point spread function for image deblurring,” 2005 ICSA Applied Statistics Symposium, **invited talk**, June 12-15, 2005, Washington DC.
64. Qiu, P. (2005), **invited discussant** of the invited session “Image reconstruction, edge detection and feature-tracking”, The 55th Session of the International Statistical Institute, April 5-12, 2005, Sydney, Australia.
65. Qiu, P., and Sun, J. (2004), “Image segmentation for cDNA microarray data based on local polynomial kernel smoothing,” 2004 ENAR Spring Meeting, **invited talk**, March 28-31, Pittsburgh, PA.
66. Qiu, P., and Chatterjee, S. (2003), “Nonparametric Statistical Process Control With Bootstrap Cumulative Sum Control Charts,” 47th Annual Fall Technical Conference, **invited talk**, October 16-17, El Paso, Texas.

67. Qiu, P. (2003), "Multivariate SPC Based On Log-Linear Modeling," 2003 Spring Research Conference on Statistics in Industry and Technology, **invited talk**, June 4-6, University of Dayton, OH.
68. Qiu, P., and Hawkins, D. (2001), "A rank based multivariate CUSUM," 45th Annual Fall Technical Conference, *Technometrics* **invited talk**, October 18-19, Toronto, Canada.
69. Qiu, P. (1999), "Comparisons of several local smoothing jump detectors in one-dimensional nonparametric regression," The Joint Statistical Meeting, **contributed talk**, August 8-12, 1999, Baltimore, Maryland.
70. Qiu, P., and Hawkins, D. (1999), "Rank based multivariate CUSUM", 1999 Spring Research Conference on Statistics in Industry and Technology, **contributed talk**, June 2-4, 1999, Minneapolis, Minnesota.
71. Qiu, P., and Yandell, B. (1996), "Discontinuity detection in regression surface" The Joint Statistical Meeting, **contributed talk**, August 4-8, 1996, Chicago, Illinois.
72. Qiu, P. (1992), "Jump regression surfaces fitting", AMS-IMS-SIAM Summer Research Conference on Change-Point Problems, **invited talk**, July 11-17, 1992, Mt. Holyoke, MA.
73. Qiu, P. (1991), "Jump regression function estimation," 48th session of the International Statistical Institute, **invited talk**, September 9-18, 1991, Cairo, Egypt.
74. Qiu, P. (1990), "Jump regression function and forecasting," The 4th Annual Conference of the Japanese Society of Computational Statistics, **invited talk**, May 17-18, 1990, Fukuoka, Japan.

INVITED SEMINARS

75. Qiu, P. (2017), "Dynamic Disease Screening: An Approach for Disease Early Detection and Prevention," Department of Statistics and Actuarial Science, Simon Fraser University, March 31, 2017, Vancouver, Canada.
76. Qiu, P. (2016), "Disease Early Detection and Prevention by Dynamic Disease Screening System," October 28, 2016, Department of Statistics, University of Kentucky, Lexington, Kentucky.
77. Qiu, P. (2016), "Statistical Methods for Detecting Outbreaks of Infectious Diseases and Their Application to the Chinese National Influenza Surveillance Data," June 1, 2016, Chinese National Influenza Center, China CDC, Beijing, China.
78. Qiu, P. (2016), "Design control charts using p-values and dynamic sampling intervals," May 30, 2016, Institute of Statistical Research, Nankai University, Tianjin, China.
79. Qiu, P. (2016), "Recent research on nonparametric SPC," May 26, 2016, School of Statistics and Finance, East China Normal University, Shanghai, China.
80. Qiu, P. (2016), "Jump information criterion for statistical inference in estimating jump regression curves," April 21, 2016, Department of Statistics, Virginia Tech, Blacksburg, VA.

81. Qiu, P. (2015), "Disease Early Detection and Prevention by a Dynamic Screening System," June 26, 2015, College of Biological Sciences and Biotechnology, Beijing Forestry University, Beijing, China.
82. Qiu, P. (2015), Invited discussion on "Statistical Research in US," June 22, 2015, Department of Statistics, Tianjin University of Finance and Economics, Tianjin, China.
83. Qiu, P. (2015), Six one-hour lectures on "Basics of Statistical Process Control," June 10, 2015, School of Statistics and Finance, East China Normal University, Shanghai, China.
84. Qiu, P. (2014), Two-hour lecture on "Multivariate dynamic disease screening and monitoring of hand, foot and mouth disease in China," December 10, 2014, National Center of Theoretical Science, Hsinchu, Taiwan.
85. Qiu, P. (2014), Three-hour lecture on "Recent Research in Multivariate SPC, Nonparametric SPC, and Profile Monitoring," July 4, 2014, National Center of Theoretical Science, Hsinchu, Taiwan.
86. Qiu, P. (2014), "Dynamic Screening System: An Approach For Identifying Irregular Longitudinal Patterns," June 25, 2014, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong.
87. Qiu, P. (2014), "Dynamic Screening System: An Approach For Identifying Irregular Longitudinal Patterns," June 24, 2014, Department of Statistics and Actuarial Science, University of Hong Kong, Hong Kong.
88. Qiu, P. (2014), "Statistical Process Screening System: An Approach For Identifying Irregular Longitudinal Patterns," March 27, 2014, Department of Statistics, Florida State University, Tallahassee, FL.
89. Qiu, P. (2014), "Statistical Process Screening System: An Approach For Identifying Irregular Longitudinal Behavior," March 20, 2014, Department of Statistics, University of Georgia, Athens, GA.
90. Qiu, P. (2014), "Statistical Process Screening System: An Approach For Identifying Irregular Longitudinal behavior," March 12, 2014, Department of Mathematics, Southeastern University, Nanjing, China.
91. Qiu, P. (2014), "Disease Early Detection and Prevention by Dynamic Disease Screening System," February 25, 2014, Division of Biostatistics, University of Miami, Miami, FL.
92. Qiu, P. (2013), "Jump Regression Analysis and Image Processing," November 25, 2013, Department of Mathematics, University of Florida, Gainesville, FL.
93. Qiu, P. (2013), "On Nonparametric Statistical Process Control," November 5, 2013, Department of Statistics, University of California at Riverside, Riverside, CA.
94. Qiu, P. (2013), "Statistical Process Screening System: An Approach For Identifying Irregular Longitudinal behavior," October 24, 2013, Department of Statistics, University of Florida, Gainesville, FL.

95. Qiu, P. (2013), "Intensity Based Nonparametric Image Registration," August 30, 2013, Department of Statistics, Purdue University, West Lafayette, IN.
96. Qiu, P. (2013), "Comparison of Two Crossing Hazard Rate Functions," July 11, 2013, College of Mathematical Sciences, Beijing University of Technology, Beijing, China.
97. Qiu, P. (2013), Twelve one-hour lectures on "Jump regression analysis and image processing," July 5-6, 2013, School of Statistics and Finance, East China Normal University, Shanghai, China.
98. Qiu, P. (2013), "Statistical Process Screening System: An Approach For Identifying Irregular Longitudinal behavior," March 27, 2013, Department of Industrial and Operations Engineering, University of Michigan, Ann Arbor, MI.
99. Qiu, P. (2012), "Comparison of Two Crossing Hazard Rate Functions," December 16, 2012, School of Mathematics and Statistics, Wuhan University, Wuhan, China.
100. Qiu, P. (2012), "Statistical Process Screening System: An Approach For Identifying Irregular Individuals," November 14, 2012, School of Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta, GA.
101. Qiu, P. (2012), "Comparison of Two Crossing Hazard Rate Functions," October 22, 2012, College of Public Health and Health Professions, University of Florida, FL.
102. Qiu, P. (2012), "Jump Regression Analysis and Image Processing," SAMSI image processing working group, WebEx talk, October 29, 2012, SAMSI, NC.
103. Qiu, P. (2012), "Comparison of two crossing hazard rate functions," February 28, 2012, Department of Mathematics and Statistics, University of Melbourne, Melbourne, Australia.
104. Qiu, P. (2012), "Jump regression analysis and image processing," February 21, 2012, Centre for Quantum Computation and Intelligent Systems, University of Technology at Sydney, Sydney, Australia.
105. Qiu, P. (2011), "Jump regression analysis and image processing," November 3, 2011, School of Mathematics and Statistical Sciences, Arizona State University, Tempe, AZ.
106. Qiu, P. (2011), six one-hour lectures on "jump regression analysis, image processing, and statistical process control," July 1-6, 2011, School of Statistics and Finance, East China Normal University, Shanghai, China.
107. Qiu, P. (2011), "Some research problems in image processing," July 13, 2011, School of Computer Science and Technology, Qingdao Technological University, Qingdao, China.
108. Qiu, P. (2010), "Jump Regression Analysis and Image Processing," June 26, 2010, Department of Mathematics, Southeastern University, Nanjing, China.
109. Qiu, P. (2010), "Distribution-Free Statistical Process Control Of Univariate Processes," June 22, 2010, School of Statistics and Finance, East China Normal University, Shanghai, China.
110. Qiu, P. (2009), "Comparison of two hazard rate functions," July 17, 2009, Institute of Applied Mathematics, Chinese Academy of Sciences, Beijing, China.

111. Qiu, P. (2009), "Local smoothing segmentation of spotted microarray images," July 16, 2009, Institute of Automation, Chinese Academy of Sciences, Beijing, China.
112. Qiu, P. (2009), "Local smoothing segmentation of spotted microarray images," July 7, 2009, Department of Electric Engineering, Fudan University, Shanghai, China.
113. Qiu, P. (2009), "Blind image deblurring using jump regression analysis," April 30, 2009, School of Mathematics, University of Minnesota.
114. Qiu, P. (2009), "Introduction to some research problems in statistics," February 6, 2009, seminar course, School of Statistics, University of Minnesota.
115. Qiu, P. (2009), "Statistical Modeling of the Time Course of Tantrum Anger," January 15, 2009, Department of Statistics, University of Georgia.
116. Qiu, P. (2008), "Comparison of two hazard rate functions," November 12, 2008, Department of Statistics, University of Pennsylvania.
117. Qiu, P. (2008), a series of six invited lectures were given at The Department of Statistics, Shanghai University of Finance and Economics, China, during June 17–19, 2008. The topics of the lectures are on jump regression analysis and statistical process control.
118. Qiu, P. (2008), "On some recent research topics in image processing and statistical process control," June 9, 2008, Department of Statistics, Nankai University, China.
119. Qiu, P. (2008), "Comparison of Two Possibly Crossing Hazard Rate Functions," April 17, 2008, School of Statistics, University of Minnesota.
120. Qiu, P. (2008), "Local smoothing segmentation of spotted microarray images," March 20, 2008, Statistical Engineering Division, National Institute of Standards and Technology, Gaithersburg, Maryland.
121. Qiu, P. (2008), "Segmentation of spotted microarray images for generating gene expression data," January 16, 2008, Department of Biostatistics, University of North Carolina at Chapel Hill.
122. Qiu, P. (2007), "A two-stage procedure for comparing hazard rate functions," October 25, 2007, Department of Statistics, The Pennsylvania State University.
123. Qiu, P., and Chatterjee, S. (2006), "Nonparametric Statistical Process Control With Bootstrap Cumulative Sum Control Charts," July 19, 2006, Institute of Statistics, National Tsing-Hua University, Taiwan.
124. Qiu, P. (2004), "Jump surface estimation and image restoration," November 25, 2004, Mathematical Sciences Institute, Australian National University, Canberra, ACT 0200, Australia.
125. Qiu, P. (2004), "Segmentation Of cDNA Microarray Images By Local Smoothing," October 26, 2004, Canberra branch, Statistical Society of Australia, Canberra, ACT 0200, Australia.
126. Qiu, P. (2004), "Jump Surface Estimation By Local Smoothing With Applications In Image Processing," April 22-23, 2004, Department of Statistics, Ohio State University, Columbus, Ohio.

127. Qiu, P. (2002), "Image Reconstruction By Local Smoothing Techniques", October 30-31, 2002, Department of Statistics, Texas A&M University.
128. Qiu, P., and Hawkins, D. (2002), "A distribution-free multivariate cusum procedure," June 13, 2002, Center for Mathematics and Its Applications, Australian National University, Canberra, Australia.
129. Qiu, P. (2001), "Nonparametric jump regression analysis and image processing," November 5, 2001, Department of Statistics, University of Chicago.
130. Qiu, P. (2000), a series of three invited lectures were given at The Institute of Systems Science, Academia Sinica, Beijing, P.R. China in May 2000. The titles were: 1. "Nonparametric estimation of jump regression functions"; 2. "ROC curve fitting And multiple comparisons"; 3. "Statistical model building for a rat sleep dataset".
131. Qiu, P. (2000), "Statistical model building for a rat sleep dataset," April 13, 2000, School of Statistics, University of Minnesota.
132. Qiu, P. (1999), "Sample size to test for interaction between a specific exposure and a second risk factor in a pair-matched case-control study," May 4, 1999, Division of Biostatistics, University of Minnesota.
133. Qiu, P. (1998), "Nonparametric estimation of jump regression functions", February 3, 1998, School of Statistics, University of Minnesota.
134. Qiu, P. (1998), "Jump regression analysis and image processing," February 10, 1998, Division of Statistics, Washington State University, Pullman, Washington.
135. Qiu, P. (1998), "Nonparametric ROC curve estimation," May 4, 1998, School of Public Health, The Ohio State University.
136. Qiu, P. (1996), "Modelling daily and subdaily cycles in rat sleep data," October 8, 1996, Biostatistics Center, The Ohio State University.
137. Qiu, P., Chappell, R., Obermeyer, W., and Benca, R. (1996), "Model building for rat sleep data," October 4, 1996, Department of Biostatistics, University of Wisconsin-Madison.
138. Qiu, P. (1991), "Estimation of jump regression functions," November 21, 1991, Department of Statistics, University of Georgia.
139. Qiu, P. (1990), "Some recent research in jump regression analysis," May 20, 1990, Institute of Engineering Sciences, Kyushu University, Japan.

SHORT COURSES IN CONFERENCES

1. Qiu (2016), "Modern Statistical Process Control Charts and Their Use as a Tool for Analyzing Big Data," February 18, 2016, 1:30 p.m. - 5:30 p.m., 2016 ASA Conference on Statistical Practice, San Diego, CA.

2. Qiu (2016), “Modern Statistical Process Control Chart and Their Applications to Big Data Analysis,” December 14, 2016, 9:00 a.m. - 3:00 p.m., The 2nd Pacific Rim Statistical Conference for Production Engineering, Seoul National University, Korea.

3 Teaching

INSTRUCTOR OF THE FOLLOWING COURSES AT UMN

Course Number	Course Level	Date
stat1001	undergraduate	Spring02
stat3011	undergraduate	Fall98, Fall99, Fall99, Fall06, Spring09, Fall09
Stat3012-3022	undergraduate	Winter99, Spring99, Spring00, Fall00, Spring02, Fall02, Spring03, Summer03, Spring10
stat3091	undergraduate	Winter99
Stat5021	graduate	Summer01, Summer02
Stat5031	graduate	Spring11
stat5101	graduate	Fall00
stat5102	graduate	Spring01
stat5401/8401	graduate	Spring07, Spring08
stat5421/8421	graduate	Spring01, Fall03, Fall05, Fall07, Fall10
Stat8051-8061	graduate	Fall02, Fall03, Fall10, Fall12
Stat8053	graduate	Fall07
Stat8931	graduate	Spring04, Spring06, Spring07, Spring10, Fall12

GRADUATE STUDENTS/VISITORS ADVISED AT UMN

GRADUATE STUDENTS

1. Xiaoshan Zhang (MS 2001), project title: “Measurements of observer agreement”.
2. Rong Yang (Ph.D 2005), thesis title: “Statistical modeling of multivariate longitudinal binary data”.
3. Jingran Sun (Ph.D 2005), thesis title: “Edge detection, image segmentation and their applications in microarray image analysis”.
4. Saveth Ho (MS 2006), project title: “Analysis of three anger datasets”.
5. Jun Sheng (Ph.D 2006), thesis title: “Comparison of two crossing hazard rates”.
6. Jinmei Qi (MS 2007), project title: “Exploratory analysis of circadian rhythm in tantrum frequency and tantrum duration”
7. Jong-Hoon Joo (Ph.D 2008), thesis title: “Jump/Roof/Valley Detection in Regression Curves and Surfaces”

8. Shengjie Zheng (MS 2009), project title: “Comparison of Two Early Breast Cancer Treatments”
9. Wei Liu (Ph.D 2010), thesis title: “Some Charting Methodologies in MSPC”
10. Xiao Liu (MS 2010). project title: “Using a correlation-matrix-based hierarchical clustering method to extract spontaneous BOLD fluctuation patterns”
11. Partha Sarathi Mukherjee (Ph.D 2011), thesis title: “Edge-structure preserving 2-D and 3-D image denoising by jump surface estimation”
12. Xiaopei Wang (MS 2011), project title: “A Dynamic Approach for Finding a Parametric Transformation in Regression”
13. Chen Xing (Ph.D 2012), thesis title: “Image Registration by Non-Degenerate Pixel Detection”
14. Jingnan Zhang (MS 2013), project title: “On Phase II SPC In Cases When Normality Is Invalid”
15. Songxuan Shen (MS 2013), project title: “A Dynamic Parametric Method For Regression Transformations”
16. Yicheng Kang (Ph.D 2013), thesis title: “Edge Detection and Image Restoration of Blurred Noisy Images Using Jump Regression Analysis”
17. Ka Young Park (Ph.D 2013), thesis title: “Comparing Crossing Hazard Rate Functions By Joint Modeling Survival And Longitudinal Data”
18. Jing Liu (MS 2013), project title: “A Review of Two-Dimensional Medical Image Registration Methods”

VISITORS

19. Changliang Zou, Ph.D. student, Department of Statistics, Nankai University, China. November 25, 2007 – September 25, 2008. Sponsored by an NSF grant for US – China research collaborations.
20. Xingfang Huang, Ph.D. student, Department of Applied Mathematics, Xian Jiaotong University, China, September 1, 2008 – August 31, 2010. Sponsored by China Scholarship Council for joint Ph.D. programs.
21. Zhonghua Li, Ph.D. student, Department of Statistics, Nankai University, China. September 1, 2009 – August 31, 2010. Sponsored by China Scholarship Council for joint Ph.D. programs.
22. Dongdong Xiang, Ph.D. student, Department of Statistics, East China Normal University, China. September 1, 2011 – August 31, 2012. Sponsored by China Scholarship Council for joint Ph.D. programs.
23. Xueli Sung, Associate Professor, Department of Mathematics and Information and Science, Chang’an University, Xi’an, China, November 1, 2011 – October 31, 2012. Sponsored by China Scholarship Council for young researchers.

24. Qi Wang, Lecturer, Department of Mathematics, Northeastern University, Shenyang, China, April 1, 2012 – September 31, 2012. Sponsored by “Northeastern University sponsored oversea study program”.
25. Jiujun Zhang, Associate Professor, Department of Mathematics, Liaoning University, Shenyang, China, January 8, 2013 – January 7, 2014. Sponsored by China Scholarship Council for young researchers.

INSTRUCTOR OF THE FOLLOWING COURSES AT UFL

Course Number	Course Title	Date
GMS-7093	Introduction to Clinical/Translational Research	Summer 2016
PHC-6020	Clinical Trial Methods	Spring17

POSTDOCS/GRADUATE STUDENTS/VISITORS SUPERVISED AT UFL

POSTDOCS

1. Yicheng Kang, September 1, 2013 – August 31, 2014
2. Xuemin Zi, February 1, 2014 – July 31, 2014
3. Ka Young Park, September 1, 2014 - March 31, 2015
4. Long Feng, January 10, 2015 - January 9, 2016

GRADUATE STUDENTS

5. Jingnan Zhang (Ph.D, 2016), thesis title: “An early warning system for modeling and monitoring spatio-temporal patterns of infectious diseases.”
6. Zhaomian Li (MS, 2016), project title: “Longitudinal Change-Point Mixed Effect Modeling of Weight Loss.”
7. Kai Yang (Ph.D, active)
8. Lu You (Ph.D, active)

VISITORS

9. Zhiming Xia, Associate Professor, Department of Mathematics, Northwest University, China. November 26, 2013 – November 25, 2014. Sponsored by China Scholarship Council for young researchers.
10. Xiong Xiong, Ph.D. student, Department of Computer Science and Technology, Tsinghua University, December 15, 2013 – December 14, 2014. Sponsored by China Scholarship Council for young researchers.

11. Wenzhi Zhao, Associate Professor, School of Science, Xian Polytechnic University, China. July 1, 2014 – December 31, 2014. Sponsored by Xi an Polytechnic University.
12. Huajun Song, Associate Professor, College of Information and control Engineering, China Univeristy of Petroleum, China. April 26, 2015 – April 25, 2016. Sponsored by China Scholarship Council for young researchers.
13. Yangyang Zang, Ph.D. student, Department of Industrial Engineering, Tsinghua University, China. September 1, 2015 – August 31, 2016. Sponsored by China Scholarship Council for young researchers.
14. Xuemin Zi, Professor, Department of Applied Mathematics, Tianjin University of Technology and Education, Tianjin, China. September 1, 2015 – August 31, 2015. Sponsored by China Scholarship Council for young researchers.
15. Zhiqiong Wang, Ph.D. student, College of Management and Economics, Tianjin University, Tianjin, China. September 15, 2016 – September 14, 2017. Sponsored by China Scholarship Council for young researchers.

4 Service

ACADEMIC SERVICE

- Editorial Services
 1. Editorial Board Member, *Surgery*, 2016-present.
 2. Editor-elect, 2013; editor, 2014-2016, *Technometrics*
 3. Associate Editor, *Journal of the American Statistical Association – Applications and Case Studies*, 2006-2012.
 4. Associate Editor, *Technometrics*, 2007-2012.
 5. Associate Editor, *Biometrics*, 2011-2012.
 6. Associate Editor, *Statistical Papers*, 2011-2012.
 7. Guest Co-Editor, *Multimedia Tools and Applications*, 2011, Special Issue on New Trends in Multimedia Processing, Vol. 52, Issue 1.
 8. Guest Co-Editor, *Quality and Reliability Engineering International*, 2013, Special Issue on Nonparametric Statistical Process Control.
- Services for ASA
 1. Committee on Publications (2013 - 2016)
 2. Caucus of Academic Representatives (2014 - 2017)
- Services for ASQ
 1. Journal Editor Committee (2013 - 2016)

- Services for IMS
 1. Committee on Nominations (2011)
 2. IMS local accommodation committee chair, Joint Summer Meeting, August 7-11, 2005, Minneapolis, MN.
- Services for INFORMS
 1. Advisory Board member, INFORMS QSR Section, 2017-2020.
- Meeting organizers, panels, chairs of sessions, etc.:
 1. Program co-chair
 - (a) 2009 International Congress on Image and Signal Processing, October 17-19, 2009, Tianjin, China.
 - (b) 2011 International Congress on Image and Signal Processing, October 13-15, 2011, Shanghai, China.
 - (c) 2015 Workshop on Frontiers in Industrial Statistics, June 18-21, 2015, Nankai University, Tianjin, China.
 2. Program committee member
 - (a) International Conference on Statistical Analysis of Complex Data, July 1-3, 2010, Kunming, China.
 - (b) 2011 International Conference on Applied and Engineering Mathematics, October 28-30, 2011, Shanghai, China.
 - (c) 2011 International Conference on Computational Biology and Bioinformatics, October 28-30, 2011, Shanghai, China.
 - (d) International Conference on Pattern Recognition Applications and Methods, February 6-8, 2012, Algorve, Portugal.
 - (e) The 4th International Conference on Computational Intelligence and Software Engineering (CiSE 2012), December 14 16, 2012, China.
 - (f) The 2nd International Conference on Pattern Recognition Applications and Methods, February 15-18, 2013, Barcelona, Spain.
 - (g) The 1st Sino-US Research Conference on Quality, Analytics, and Innovations, July 1-2, 2016, Shanghai, China.
 - (h) The 10th ICSA international conference, December 19-22, 2016, Shanghai, China.
 - (i) The 2nd Pacific Rim Statistics Conference for Production Engineering, December 15-16, 2016, Seoul, Korea.
 - (j) Biostatistics Workshop “Statistical Inference for Biomedical Big Data,” April 7-8, 2017, UF Department of Biostatistics, Gainesville, FL.
 3. Organizers of about 50 invited sessions in various conferences.
 4. Chairs of many sessions in various conferences.
 5. Invited panelist of a panel discussion organized by the Twin Cities Chapter of ASA, February 10, 2005.
 6. NSF panelist, 2008, 2015.
 7. NIH BMRD study session, June 24, 2016.

8. Judge, best paper award, INFORMS QSR division, 2016.
 9. Jury for evaluating promotion materials for Chinese Academy of Sciences.
 10. Jury for evaluating promotion materials for Yarmouk University of Jordan.
 11. Outside reviewers of some faculty promotion cases for universities in USA and UK.
 12. Outside reviewers or committee members of Ph.D students from Australia (once), Belgium (once), Egypt (once), India (once), and China (twice).
- Referee for the following journals/agencies
 - Journals:

American Statistician; Annals of Applied Statistics; Annals of the Institute of Statistical Mathematics; Annals of Statistics; Applied Mathematics and Computation; Applied Stochastic Models in Business and Industry; Bioinformatics; Biometrics; Biometrika; BMC Medical Research Methodology; Communications in Statistics - Simulation and Computation; Communications in Statistics - Theory and Methods; Computational Statistics and Data Analysis; Computer Methods and Programs in Biomedicine; Computers and Mathematics with Applications; Current HIV Research; Environmental and Ecological Statistics; IEEE Transactions on Geoscience and Remote Sensing; IEEE Transactions on Image Processing; IEEE Transactions on Multimedia; IEEE Transactions on NanoBioscience; IEEE Transactions on Neural Networks; IEEE Transactions on Pattern Analysis and Machine Intelligence; IEEE Transactions on Signal Processing; IEEE Transactions on Systems, Man, and Cybernetics; IIE Transactions; IMS volume for the 3rd Lehmann Symposium; Information Sciences; International Journal of Production Research; Inverse Problems; Journal of American Statistical Association; Journal of Applied Statistics; Journal of Computational and Graphical Statistics; Journal of Educational and Behavioral Statistics; Journal of Hydrology; Journal of the Korean Statistical Society; Journal of Multivariate Analysis; Journal of Nonparametric Statistics; Journal of the Operational Research Society; Journal of Quality Technology; JRSS-A; JRSS-B; Journal of Scheduling; Journal of Statistical Computation and Simulation; Journal of Statistical Planning and Inference; Lifetime Data Analysis; Magnetic Resonance Imaging; Mathematical Problems in Engineering; Medical Physics; Multimedia Tools and Applications; NeuroImage; PLOS ONE; Probability Theory and Related Fields; Quality and Reliability Engineering International; Sankhya (Series A); Scandinavian Journal of Statistics; Science in China (Series A); Scientific Reports; SIAM Journal on Imaging Sciences; Signal Processing; Statistica Sinica; Statistical Analysis and Data Mining; Statistical Papers; Statistics and Computing; Statistics and Its Interface; Statistics and Probability Letters; Statistics in Medicine; Stochastic Environmental Research and Risk Assessment; Surgery; Technometrics; The Open Medical Informatics Journal.
 - Grant proposals review:

NIH; NSF; National Security Agency; Alzheimer's Association; Marsden Fund, Royal Society of New Zealand; Research Grant Council of Hong Kong; National Sciences and Engineering Research Council of Canada;

Romanian National Research Council; UF Division of Sponsored Research (DSR).
 - Book proposals review:

John Wiley & Sons; Springer; Pearson Arts & Sciences.

UNIVERSITY SERVICE AT UMN

- Department service:
 1. Curriculum committee (2006-2007)
 2. Faculty search committee (2005-2006, 2007-2008 Chair)
 3. Graduate admissions committee (1998-2004)
 4. Ph.D. exam committee (2009-1010, 2010-2011 Chair)
 5. Personnel Committee (2007-2009)
 6. Research computing committee (2001-2002)
 7. Seminar coordinator (2005-2006)
- College of Liberal Arts service:
 1. CLA InfoTechnology Committee (2002-2003)
 2. CLA Faculty Research Awards Committee (2010-2011)
- University service:
 1. General Research Advisory Committee, UMN Graduate School (2008-2009)
- Other service:
 1. Biostatistics faculty search committee (2002-2003)

UNIVERSITY SERVICE AT UFL

- Department service:
 1. Curriculum committee (2013-2015)
 2. Faculty development committee (2013-2015)
- College of Medicine service:
 1. Executive Committee (2013-)
 2. LCME Information Resources and Library Services Sub-Committee (2014)
- College of Public Health and Health Professions service:
 1. Executive Leadship Committee (2013-)
- University service:
 1. Steering committee for the Life Sciences Preeminence Program (2013-2014)
 2. Steering committee for the Biomedical Informatics Preeminence Program (2013-2014)
 3. Steering committee for the Genomic Medicine Preeminence Program (2013-2014)

5 Grants, Contracts and Awards

GRANTS

1. Co-I, “Identification and Prediction of High-Risk Periods for Regain After Weight Loss”, NIH, R21DK109205, PI: Kathryn Ross (Department of Clinical and Health Psychology), grant period: 09/07/2016-09/06/2018 (%5 FTE, year 1; %3 FTE, year 2).
2. Co-PI, “Statistical Inference for Biomedical Big Data: Theory, Methods and Tools,” NSF, DMS-1703077, amount: \$20,000 (this grant is for sponsoring a workshop in biostatistics during April 7-8, 2017 at UF Department of Biostatistics), PI: Faming Liang.
3. Biostatistical consultant, “Food Assistance, Diet, and Body Weight Status among WIC Eligible Children,” NIH, R03 HD090387-01, PI: Harry Zhang (School of Community and Environmental Health, Old Dominion University), \$155,000, grant period: 12/08/2016-12/31/2018 (\$6,000 for my service).
4. Co-Investigator, “Equivalent Partial Correlation Methods for Integrative Genetic Network Analysis,” NIH, 1R01GM117597, PI: Faming Liang, amount: \$1,042,460, grant period: September 1, 2015 - May 31, 2018 (15% FTE).
5. Director, Biostatistics and Epidemiology Research Design, National Center for Advancing Translational Sciences of the National Institutes of Health under University of Florida Clinical and Translational Science Award UL1TR001427, PI: David Nelson, \$17.5 million, grant period: 2015-2019 (10% FTE).
6. Principal Investigator, “New Methods for Sequential Monitoring of Longitudinal Patterns,” National Science Foundation, DMS-1405698, amount: \$120,000, grant period: July 1, 2014 - June 30, 2018.
7. Co-Investigator, “Southeast Resource Center for Integrated Metabolomics (SECIM),” NIH, 1U24-DK097209-01A1, PIs: A.S. Edison and R.A. Yost, UFL, \$9,999,524, 09/01/2013 – 08/31/2018 (10% FTE).
8. Co-Investigator, “Associations between Ambient Air Pollution and Adverse Birth Outcomes in Florida,” NIH, 5K01ES019177, PI: X Xu, Department of Epidemiology, UFL, \$610,145, 12/08/2011 – 11/30/2016 (3% FTE in the last 3 years).
9. Principal Investigator, “Intensity-Based Image Registration and 3-D Image Denoising,” National Science Foundation, DMS-1007506, amount: \$150,000, grant period: August 1, 2010 - July 31, 2013.
10. Co-Principal Investigator, “Quantifying children’s emotions with the emotion intensity-linkage function model,” NIH, 5R01-HD055343, PI: Professor Michael Potegal, Department of Pediatrics, University of Minnesota Medical School, amount: \$906,668, grant period: September 30, 2008 - July 31, 2011, (3.36 months/year effort plus a 0.5-FTE GRA in statistics for three years).

11. Principal Investigator, “Statistical Analysis of Image Restoration and Its Applications in Magnetic Resonance Imaging,” National Science Foundation, DMS-0706082, amount: \$140,000, grant period: July 1, 2007 - June 30, 2011.
12. Principal Investigator, US – China research collaborations, National Science Foundation, DMS-0721204, amount: 39,996 USD (from US NSF) plus 30,000 Chinese Yuan (from Chinese NSF), grant period: August 1, 2007 - July 31, 2008.
13. Principal Investigator, “Image Segmentation for cDNA Microarray Data and Jump Preserving Surface Estimation,” National Science Foundation, DMS-0406020, amount: \$50,000, grant period: August 1, 2004 - July 30, 2007.
14. Co-Principal Investigator, “Flushing-related forehead temperature as a measure of anger intensity,” Minnesota Medical Foundation, amount: \$5,000, grant period: 09/01/05-08/31/06. (Note: This grant is mainly for buying some devices to perform the study supported by the UMN Grant-in-Aid grant listed in the next item.)
15. Co-Principal Investigator, “Flushing-related forehead temperature as a measure of anger intensity,” Grant-in-Aid of Research, Artistry and Scholarship, University of Minnesota, amount: \$29,922, grant period: January 1, 2005 – June 30, 2006. (Note: This grant is mainly for supporting a one-year 0.5-FTE GRA in statistics.)
16. Co-Principal Investigator, “Quantifying the time course of tantrum anger,” NIH, R21, PI: Professor Michael Potegal, Department of Pediatrics, University of Minnesota Medical School, amount: \$370,557, grant period: July 1, 2004 - June 30, 2006, (25% effort plus a one-year 50% RA in statistics).
17. Principal Investigator, “Image reconstruction by local smoothing techniques,” National Security Agency, amount: \$38,899, grant period: March 5, 2004 - March 4, 2006.
18. Travel grant, Summer 2003, \$500, Office of International Programs, University of Minnesota.
19. Principal Investigator, “Two-dimensional jump regression analysis,” Grant-in-Aid of Research, Artistry and Scholarship, University of Minnesota, amount: \$15,908, grant period: July 1, 2000 - June 30, 2002.
20. Co-Investigator, Design and Analysis Core, Transdisciplinary Tobacco Use Research Center (TTURC), National Cancer Institute, amount: \$9,227,445, grant period: September 30, 1999 - September 29, 2004, (20% effort for the first year).

AWARDS, HONORS and RECOGNITIONS

1. Keynote Speaker (90-minute presentation followed by 90-minute discussions), 2017 Stu Hunter Research Conference, March 5-8, 2017, Copenhagen, Denmark.
2. Dean’s Citation Paper Award, 2016, College of Public Health and Health Professions, University of Florida (for the paper: Liang, F., Song, Q., and Qiu, P. (2015), “An Equivalent Measure of Partial Correlation Coefficients for High Dimensional Gaussian Graphical Models,” *JASA*, **110**, 1248–1265).

3. Mini-Plenary Speaker, The South African Statistical Association's 57th Annual Conference, November 29 - December 2, 2015, University of Pretoria, South Africa.
4. Dean's Citation Paper Award, 2015, College of Public Health and Health Professions, University of Florida (for the paper: Park, K.Y., and Qiu, P. (2014), "Model Selection and Diagnostics For Joint Modeling Of Survival And Longitudinal Data With Crossing Hazard Rate Functions," *Statistics in Medicine*, **33**, 4532–4546).
5. Keynote speaker, 2nd International Symposium on System Informatics and Engineering, July 8-9, 2013, Xi'an, China.
6. *Technometrics* invited speaker with discussions, 2012 INFORMS annual meeting, October 14-17, 2012, Phoenix, AZ.
7. Plenary speaker, The 4th International Conference on Computational Intelligence and Software Engineering (CiSE 2012), December 14-16, 2012, Wuhan, China.
8. Plenary speaker, International Conference on Quality and Reliability Engineering, December 20-22, 2011, Bangalore, India.
9. Plenary speaker, 5th WSEAS International Conference on COMPUTER ENGINEERING and APPLICATIONS (CEA '11), January 29-31, 2011, Puerto Morelos, Mexico.
10. Elected Fellow, 2010, Institute of Mathematical Statistics.
11. Plenary speaker, Annual Meeting of the German Statistical Society, September 14 - 17, 2010, Nuremberg, Germany.
12. Featured speaker of the *Technometrics* invited session with discussions, Joint Statistical Meetings, July 31 - August 5, 2010, Vancouver, Canada.
13. Elected Fellow, 2009, American Statistical Association.
14. Elected member, 2009, International Statistical Institute.
15. Special invited speaker (with a 50-minute presentation), The Winter 2009 Canadian Mathematical Society meeting, December 5-7, 2009, Windsor, Canada.
16. The paper titled "Distribution-free multivariate process control based on log-linear modeling" by P. Qiu, published in *IIE Transactions*, **40**, 2008, 664–677, was featured by an article in the *Industrial Engineer* magazine, **40**, 2008, 53–54.
17. Inaugural Ziegel prize winner, sponsored by *Technometrics*, 2007 (for the book *Image Processing and Jump Regression Analysis*).
18. Marquis *Who's Who in America*, 2003–2007, 2012-2013; Marquis *Who's Who in American Education*, 2006, 2007.
19. Faculty Sabbatical Supplement Awards, 2004/2005, 2011/2012, College of Liberal Arts.
20. *Technometrics* invited speaker, 45th Annual Fall Technical Conference, October 18-19, 2001, Toronto, Canada.

21. Single Semester Leave Awards, Fall 2001, Fall 2008, College of Liberal Arts.
22. One of the three best paper winners of the 5th ISI competition for young statisticians, Cairo, Egypt, September 1991. (ISI: International Statistical Institute)
23. Winner of the 1990 UAP Mathematical Award, Fudan University, April 1990.