

Curriculum Vitae – Spring 2016

I. **Candidate’s Name:** Mervyn G. Marasinghe
Department of Principal Appointment: Statistics

II **Degrees Held:**

<i>Degree</i>	<i>Institution</i>	<i>Date</i>	<i>Field</i>
Ph.D.	Kansas State University	August 1980	Statistics
	Kansas State University	March 1977	Statistics
Dip.Stat.	University of Sri Lanka	April 1974	Statistics
B.Sc.	University of Sri Lanka	March 1971	Natural Sciences

III. **Professional Experience:**

<i>A. Positions held elsewhere</i>	<i>Dates</i>
Graduate Research Assistant, Kansas State University	9/75-6/79
Analyst/Programmer, State Engineering Corporation, Sri Lanka	7/70-9/75

<i>B. Iowa State University appointments</i>	<i>Dates</i>
Associate Professor	7/86- to date
Assistant Professor	7/80-6/86

IV. **Publications (listed in reverse chronological order)**

a) **Books**

1. “SAS for Data Analysis” (book published by Springer with William J. Kennedy as co-author, appeared August 2008)
Note: *New edition under preparation; planned to appear in 2015 as a Springer book)*

b) **Papers in refereed journals**

1. Chen, Can, Williams, R. Christopher, Marasinghe, Mervyn G., Ashlock, ; ; Jeramy C., Smadi, Omar, Schram, Scott, and Buss, Ashley (2015) "Assessment of Composite Pavement Performance by Survival Analysis," *Journal of Transportation Engineering* 141(9)
[http://dx.doi.org/10.1061/\(ASCE\)TE.1943-5436.0000784](http://dx.doi.org/10.1061/(ASCE)TE.1943-5436.0000784)
2. Chen, Can, Williams, R. Christopher, Marasinghe, Mervyn G., Omundson, Jason, and Schram, Scott.(2013). “Survival Analysis for Composite Pavement Performance in Iowa,” (published in the *Journal of Civil Structural Health Monitoring*)

3. Philip Iversen and Mervyn Marasinghe (2005) "Visualizing Experimental designs for Balanced ANOVA Models Using Lisp-stat" *Journal of Statistical Software*, January 2005, Vol. 13, Issue 3 <http://www.jstatsoft.org/v13/i03/v13i03.pdf>
4. Mervyn G. Marasinghe, Bill Duckworth and Tae-sung Shin.(2004) "Tools for Teaching Regression Concepts using Dynamic Graphics." *The Journal of Statistical Education*, Vo.1 12, Issue 2
<http://www.amstat.org/publications/jse/v12n2/marasinghe.html>
5. Mervyn G. Marasinghe and Philip Iversen (2001). "Teaching Experimental Design and Analysis Concepts using Dynamic Graphics." *The American Statistician* 55, 341–351.
6. Mervyn G. Marasinghe, William Meeker, Dianne Cook, and Tae-sung Shin (1996). "Using Graphics and Simulation to Teach Statistical Concepts." *The American Statistician* 50, 342–351.
7. Mervyn G. Marasinghe and Robert J. Boik (1993). "A Three-degree of Freedom Test of Additivity in Three-Way Classifications." *Computational Statistics and Data Analysis* 16, 47–61.
8. Robert J. Boik and Mervyn G. Marasinghe (1989). "Analysis of Nonadditive Multi-way Classifications." *Journal of the American Statistical Association* 84, 1059–1064.
9. Mervyn G. Marasinghe (1986). "A Stable Single Pass Algorithm for Computing Tukey's and Mandel's Interaction Sums of Squares." *Communications in Statistics -- Simulation and Computation* 15(3), 649–654.
10. Mervyn G. Marasinghe (1985). "A Multistage Procedure for Detecting Several Outliers in Linear Regression." *Technometrics* 27, 395–399.
11. Mervyn G. Marasinghe (1985). "Asymptotic Tests and Monte Carlo Studies Associated with the Multiplicative Interaction Model." *Communications in Statistics (Theory and Methods)* 14, 2219–2231. 12.
12. Mervyn G. Marasinghe K. E. Kemp (1983). "Computational Efficiency of Anova programs based on a reparameterization." *Journal of Statistical Computation and Simulation* 78, 482–490.
13. Mervyn G. Marasinghe and D. E. Johnson (1982). "A Test of Incomplete Additivity in the Multiplicative Interaction Model." *Journal of the American Statistical Association* 77, 869–877.

14. Mervyn G. Marasinghe and W. J. Kennedy (1982). "Direct Methods for Generating Extreme Characteristic Roots of Certain Random Matrices." *Communications in Statistics -- Simulation and Computation* 11, 527–542.
15. Mervyn G. Marasinghe and D. E. Johnson (1982). "Estimation of σ^2 in the Multiplicative Interaction Model." *Communications in Statistics (Part A)* 11, 315–324.
16. Mervyn G. Marasinghe and D. E. Johnson (1981). "Testing subhypotheses in the Multiplicative Interaction Model." *Technometrics* 23, 385–292.

c) Referred Conference Proceedings

1. Chen, Can, Williams, R. Christopher, Marasinghe, Mervyn G., Omundson, Jason, and Schram, Scott.(2013). "Survival Analysis for Composite Pavement Performance in Iowa," *Paper No.14-4688. 93rd Annual Meeting held in Washington, D.C.*
2. Dao M. Vo, Judy M. Vance, and Mervyn Marasinghe (2008) "Assessment of Haptics-based Interaction for Assembly Tasks in Virtual Reality," *WorldHaptics 2009, Salt Lake City, UT, USA.* .
3. "Computer Modules for Teaching Statistical Concepts." *2002 Proceedings of the International Conference on Teaching of Statistics 6 (on CD)*
4. "Efficient Maximum Likelihood Algorithms." *1998 Proceedings of the 30th Symposium on the Interface: Computing Science and Statistics* (with Tae-Sung Shin).
5. "An Interactive Window-based Environment for Experimental Design." *1992 Proceedings of COMPSTAT 92* (with N. Nys, Paul L. Darius).
6. "Visualizing Experimental Design with LISP-STAT." *1992 Proceedings of the 24th Symposium on the Interface: Computing Science and Statistics* (with Philip W. Iversen).

d) Book Reviews

1. "A Modern Approach to Regression with R" by Simon J. Sheather in *Biometrics* 67, 671–679 (2011).
2. "A First Course in Statistical Methods" by R. Lyman Ott and Micheal T. Longnecker in *The American Statistician* 61, 1, 95–96 (2007).
3. "Numerical Methods of Statistics" by John Monahan for the *Journal of the American Statistical Association* ,98,497-498 (2003).

4. “*Evaluation and Control of Measurements*” by John Mandel in *Journal of the American Statistical Association* 89, 720 (1994).
5. “*SAS System for Linear Models*” by Freund, Littell and Spector in *Technometrics* 30, 116–117 (1988).
6. “*MSUSTAT –Statistical Package for Microcomputers.*” In *The American Statistician* 39, 72–74 (1985).

e) Book Chapter

Completed modifications to existing chapters and adding 2 new chapters for the 2nd Edition of “*SAS for Data Analysis*”. Ready to be submitted

f) Non-refereed Proceedings

1. “A Generalized Conjugate Gradient Accelerator for the EM Algorithm.” *2005 Proceedings of the Statistical Computing Section, American Statistical Association* (with Julio Alonso).
2. “A Structure-based Approach for Model Determination in Experimental Designs.” *1990 Proceedings of the Statistical Computing Section, American Statistical Association* (with Paul L. Darius).
3. “A New Conjugate Gradient Algorithm for Analysis of Variance Computations.” *1984 Proceedings of the Statistical Computing Section, American Statistical Association* (with Byung C. Kim, William J. Kennedy).

g) Work under preparation

1. “Innovative, Web-based, Animated, and Interactive Computer Modules for Exploring Statistical Concepts,” Mervyn G. Marasinghe, Jarad Niemi, Vander Plas, Susan, and Yihui Xie *New modules currently being developed to be submitted probably to JSE*
2. J Li, K. Wang, C. T. Jahren, Jacob J. Shaw, M. G. Marasinghe, “Prediction of Early Age Thermal Behavior and Cracking Potential of Mass Concrete Bridge Foundations”, submitted to *ASCE Journal of Materials in Civil Engineering*, (submitted 8.7.2014)
3. “Graphical Lasso Applications for Gene Set Analysis,” Kevin Kasper, Mervyn Marasinghe, *to be submitted to Bioinformatics2016*

4. “Dynamic Graphics for Exploring and Understanding Multiple Regression Diagnostics,” Mervyn G. Marasinghe and Yihui Xie, and *currently being prepared for publication in the JSE*

VI. Teaching:

1. Courses taught in the last seven years:

Semester/year	Course Number & Title	Enrollment	Instructor/Course
Fall 2015	Stat479 Comp. Mthd.Data Anal.	33/54	3.03/3.16
Spring 2015	Stat330 Prob.&Stat. for Comp.Sci.	18/51	3.06/3.28
Spring 2015	Stat401D Stat. Mthds. Res. Wrkrs	18/32	3.67/4.33
Fall 2014	Stat415 Advanced Statistical Mthds	8/9	3.13/3.50
Fall 2014	Stat401B Stat. Mthds. Res. Wrkrs	39/53	3.26/3.70
Fall 2014	Stat479 Comp. Mthd.Data Anal.	31/40	3.29/3.58
Spring 2014	Stat401D Stat. Mthds. Res. Wrkrs	22/33	3.45/3.91
Fall 2013	Stat415 Advanced Statistical Mthds	1/5	5.0/5.0
Fall 2013	Stat401C Stat. Mthds. Res. Wrkrs	34/50	3.74/4.06
Fall 2013	Stat479 Comp. Mthd.Data Anal.	30/40	3.53/3.73
Spring 2013	Stat401E Stat. Mthds. Res. Wrkrs	21/28	3.33/3.45
Fall 2012	Stat401C Stat. Mthds. Res. Wrkrs	20/34	3.60/3.89
Fall 2012	Stat479 Comp. Mthd.Data Anal.	30/47	3.43/3.45
Spring 2012	Stat401F Stat. Mthds. Res. Wrkrs	24/34	2.78/3.17
Spring 2012	Stat330B Prob.&Stat. for Comp.Sci.	31/58	2.52/2.60
Fall 2011	Stat401C Stat. Mthds. Res. Wrkrs	34/45	3.24/3.64
Fall 2011	Stat479 Comp. Mthd.Data Anal.	29/41	3.48/3.55
Spring 2011	Stat401B Stat. Mthds. Res. Wrkrs	48	2.82/3.13
Spring 2011	Stat330 Prob.&Stat. for Comp.Sci.	41	3.31/3.38
Fall 2010	Stat479 Comp. Mthd.Data Anal.	36	3.62/3.65
Fall 2010	Stat401C Stat. Mthds. Res. Wrkrs	43	3.40/3.87
Spring 2010	Stat401B Stat. Mthds. Res. Wrkrs	33	3.75/3.50
Spring 2010	Stat330 Prob.&Stat. for Comp.Sci.	53	3.07/3.07
Fall 2009	Stat479 Comp. Mthd.Data Anal.	21	3.63/3.63
Fall 2009	Stat401C Stat. Mthds. Res. Wrkrs	34	3.28/3.38
Spring 2009	Stat 580 Statistical Computing I	06	4.00/4.17
Spring 2009	Stat401B Stat. Mthds. Res. Wrkrs.	23	3.61/3.48
Fall 2008	Stat479 Comp. Mthd.Data Anal.	24	4.06/4.06
Fall 2008	Stat401C Stat. Mthds. Res. Wrkrs	26	3.48/3.48

2. **Advising.**

2.1 **Undergraduate Advising:**

- Currently advisor to **17** statistics undergraduate majors.
- Hosted and advised **5** new students during Summer Orientation 2013

2.2 **M.S. Program of Study Committees:**

a. **In progress:**

Member of committee

1. Ramakrishna, Anirudh (IMSE)
2. Karthik, Ashok Kumar (IMSE)
3. Chun-Fu Chen, (C.C.E)
4. Fanqi Meng, (IMSE)
5. Wen Lin, (IMSE)
6. Yanjun Shi (IMSE)
7. Dayang Yu (IMSE)

b. **Completed:**

Chair/major professor

1. Sze Wai Cheung, 1983
2. John Raudsep, 1983
3. Anthony Lui, 1984
4. James Symanowski , 1986
5. Jeffrey Christman, 1986
6. Ching-Chang Hwang , 1985
7. Franklin Winters, 1986
8. Chii-Jyh Shyu, 1990
9. Phil Iversen, 1990
10. Eric Novak, 1992
11. Paul Wenz, 1992
12. Matt Gerdis, 1994
13. Tae-sung Shin, 1994
14. Zhongshan Chen, 1998
15. Yun Liu, 1999
16. Yimin Liang, 2000
17. Julio Alonso Cifuentes, 2002
18. Yao Guo, 2003
19. Weihong Zhuang, 2005
20. Hui Xie, 2012
21. Kevin Kasper, 2012

Member of committee

1. W. N. Wickremasinghe – (Statistics), 1983
2. In-Hye Ha – (Statistics), 1985
3. Mark Schoenbaum – (Vet. Microbiol.), 1986
4. John Thompson – (Statistics), 1987
5. Kim Lisbona – (I.E.), 1988
6. Saqub S. Karim – (E.E.), 1989
7. Chia-Lin Li – (Statistics), 1990
8. David Steenhard – (Statistics), 1989
9. Risana Chowdery – (Statistics), 1991
10. Rochelle Milbrath – (Statistics), 1991
11. Christopher Miller – (I.E.), 1992
12. Mark Kreisberg – (Statistics), 1992
13. Todd Borchert – (Statistics), 1992
14. Chun-fu Chen – (Statistics), 1992
15. Leroy Rushing – (Statistics), 1992
16. Yi-te Lin – (Statistics), 1992
17. Sang-heon Oh – (Statistics), 1993
18. Huaichin Chen – (Statistics), 1996
19. Hwei-Chun Chou – (Statistics), 1999
20. Mohd Fahzy Abdul Rahman – (Economics), 2001
21. Syuin-Chet Tee – (C.C.E. -CEM), 2001
22. Arif Ishaq Abou-Seido – (E. E.), 2001
23. Dan Pulido – (Agron.), 2001
24. Jingxi Li – (C.C.E. -CEM), 2002
25. Aldona Jelinek – (C.C.E.-CEM), 2002
26. Jason Sinnwell – (Statistics), 2002
27. Suarez, Manual –(Statistics), 2002
28. Chen, Dong –(C.C.E.-CEM),2003
29. Wang, Yaqin – (Statistics), 2003
30. DeCook, Rhonda- (Statistics), 2003
31. Mauricio Arbelaez- (C.C.E) 2003
32. Jacob Thorius (C.C.E.-C.E) 2003
33. Mary Rukhaza- (C..C.E- C.E) 2003
34. Wayne Flickinger – (AST) 2003
35. Kim Seong Hoon (C.C.E) 2004
36. Oleg Stakhanov – (Pol. S. , 2004) Minor in Stat
37. Sachin Sulakhe -(IMSE) 2004
38. Kar-Yeng Liew- (IMSE) 2004
39. Fei Jie (Statistics) 2004
40. Lifeng You (Statistics) 2004
41. Gardner, Stuart (Statistics) 2005
42. Vo, Dao (M.E.) 2007
43. Matthew Mason, (C.C.E) 2008
44. Shan Jin (IMSE) 2009
45. Zhaoyang Duan (IMSE) 2009

46. Ritwik Banerjee (ECONA) 2009
47. Brian Weaver, (Statistics) 2009
48. Blake Rubino (CCEE), 2010
49. Rui Zhong, (Statistics) 2011
50. Jinxin Li (C.C.E) 2012
51. Shi Peng (IMSE) 2012
52. Alduaji Maan (ComS) 2013
53. Huiying, Yu (JLMC) 2014
54. Wang, Xiaoping, (Statistics) 2014
55. Ziliang Zhang (CCEE) 2014
56. Xinyao Li (CCEE) 2014
57. Mander, Carlie (CCEE) 2015
58. Ashley Nashleanas (Chem) 2015
59. Bing Yu (CCEE) 2015
60. Mahajan, Sunny (CCEE) 2015

2.3. Ph.D. Program of Study Committees:

a. In progress:

Member of committee

1. Yew-Meng Koh (Stat)
2. Yifen Liu (ECpE)
3. Kil Jin Lee (IMSE)
4. Wenbo Shi (IMSE)

b. Completed:

Chair/major professor

1. Byung C. Kim, 1984
2. Charles Farmer, 1986
3. Phil Iversen, 1993
4. Bassirou Chitou, 1997
5. Tae-sung Shin, 1998

Member of committee

1. Yu-Han Hou – (An. Science), 1985
2. Paul M. Moldenhauer – (M.E.), 1986
3. Antonio Cubas – (An. Science), 1988
4. Hsin-Hui Lin – (I.E.), 1987
5. Weizing Zhang – (I.E.), 1988
6. In-Hye Ha – (Statistics), 1989
7. Fred Hulting – (Statistics), 1989

8. James Symanowski – (Statistics), 1989
9. Mark Schoenbaum – (Vet. Micro.), 1989
10. Kui-Jang Wang – (Statistics), 1992
11. Wang Teng-Fue – (I.E.), 1993
12. Sang-Jin Park – (I.Ed.T.), 1993
13. Ouhong Wang – (Statistics), 1994
14. Jave Pasqual – (Statistics), 1997
15. Weixing Zhang – (M.S.E) Minor Rep(Statistics), 1998
16. Yicun Zheng – (I.E.) Minor Rep (Statistics), 1998
17. Sunhee Kwon – (Statistics), 1998
18. Kui Meng – (Econ) Minor Rep(Statistics), 1998
19. Youjie Dai – (E.E.) Minor Rep (Statistics), 1999
20. Kevin Wright – (Statistics), 1999
21. Jianlin Cheng – (Statistics), 1999
22. Osman Kubilay Gursel – (Econ), 2002
23. Julio Alonso Cifuentes – (Econ), 2002
24. Zhu, Meijun – (An S), 2004 Minor in Stat
25. Dong Wang – (Statistics), 2006
26. Su Chao – (CE & EE), 2006
27. Sunghwan Kim – (C.C.E), 2006
28. Liang, Ye – (Comp. Sci.), 2006
29. Dong Chen – (C.C.E. C.E.M), 2006
30. Xiaohong Zhang – (Statistics), 2006
31. Chao Su – (EECE.) 2007
32. Karla Valenzuela (IMSE), 2009
33. Ying Shi, (Statistics), 2010
34. Venkat Krishnan (EECE) Minor in Stat, 2011
35. Shi Peng (IMSE) 2012
36. Zhaoyang Duan (IMSE) 2013
37. Can Chen (CCEE) 2014

VII. Grant activity:

a. External funding

<i>Funding Source</i>	<i>Title</i>	<i>Amount</i>	<i>Date</i>	<i>PI/Co-PI</i>	<i>% Effort</i>	<i>Funded?</i>
NSF/TUES	Development of Interactive Professional Development Materials on Assessment for Chemistry Instructors	\$198,950	01/01/12-12/31/13	Co-PI	16.6%	No
NSF/ILI	Developing Modern Computing and Graphics-based Methods for Teaching Important Concepts in Undergraduate Statistics Courses	\$55,000	07/92-12/94	Co-PI	30%	Yes

b. Internal funding

<i>Funding Source</i>	<i>Title</i>	<i>Amount</i>	<i>Date</i>	<i>PI/Co-PI</i>	<i>% Effort</i>	<i>Funded?</i>
ISU	LASCAC	\$18,500	1/11-6/11	Co-PI	50%	Yes
ISU	FDPA		7/06-12/06		100%	No
ISU	Carver Trust Grant	\$23,541	2/2004	Co-PI		No
ISU	SSD	\$7400	8/03-12/03		100%	Yes
ISU	Foreign Travel Grant to Present Paper at ICOTS 6	\$2075	7/2002		100%	Yes
ISU/Plant Sci. Inst.	Plant Sciences Institute Grant Funding FY2003		5/2002	Co-PI	15%	No
ISU	Faculty Improvement Leave		6/92-12/92		100%	Yes
ISU	Summer Research Grant		6/86-8/86			Yes

VIII. Presentations

a. Invited papers/presentations

- “Computer Modules for Teaching Statistical Concepts,” *Computer demonstration presented at the 2002 International Conference on Teaching of Statistics 6*, at Cape Town South Africa, July 2002
- “Computer Modules for Teaching Statistical Concepts,” *Presented at the 2002 International Conference on Stats, Probability and Related Areas* at Northern Illinois University, DeKalb, IL; June 2002

b. Contributed Papers Presented and Sessions Chaired

1. “Dynamic Graphics for Exploring and Understanding Multiple Regression Diagnostics” Mervyn Marasinghe and Yaqui Xie *Poster paper presented at the Joint Statistical Meetings of the American Statistical Association, San Diego, CA, 2012.*
2. “Near –infrared (NIR) Spectroscopy Coupled with Molecular Marker Data as a Tool for Gene Discovery.” Mervyn G. Marasinghe and Paul Scott. *Poster paper presented at the Joint Statistical Meetings of the American Statistical Association, Seattle, WA, 2006.*

3. "A Generalized Conjugate Gradient Accelerator for the EM Algorithm." Mervyn G Marasinghe and Julio Alonso *Poster paper presented at the Joint Statistical Meetings of the American Statistical Association, Minneapolis, MN, 2005.*
4. "Models and Graphical Tools for the Analysis of Nonreplicated Data," Mervyn G. Marsinghe and Heike Hofmann. *Paper presented at the Joint Bioinformatics Workshop, Iowa State University, Ames Iowa, 2002.*
5. "Efficient Maximum Likelihood Algorithms," Mervyn G. Marasinghe and Tae-sung Shin, *Paper presented at the 30th Symposium on the Interface: Computing Science and Statistics, Minneapolis, 1998.*
6. "Efficient Algorithms for Maximum Likelihood Estimation of Variance Components," Mervyn G. Marasinghe and Tae-sung Shin, *Poster paper presented at the Joint Statistical Meetings of the American Statistical Association, Dallas, 1998.*
7. "A Unified Approach to Efficient EM-type Algorithms: Generalized Conditional Maximization," Mervyn G. Marasinghe and Tae-sung Shin, *Paper presented at the Joint Statistical Meetings of the American Statistical Association, Dallas, 1998*
8. "Teaching Experimental Design and Analysis Concepts using Dynamic Graphics," Mervyn G. Marasinghe, *Poster paper presented at the Joint Statistical Meetings of the American Statistical Association, Anaheim, 1997*
9. "Tools for Teaching Regression Concepts using Dynamic Graphics," Mervyn G. Marasinghe, *Poster paper presented at the Joint Statistical Meetings of the American Statistical Association, Chicago, 1996*
10. "Using Graphics and Simulation to Teach Statistical Concepts," Mervyn G. Marasinghe, William Meeker, Dianne Cook, and Tae-sung Shin *presented at the Joint Statistical Meetings of the American Statistical Association, Chicago, 1996* (presenter: William Q. Meeker Jr.)
11. Chaired the Journal of Computational and Graphical Statistics invited papers session at *the 27th Symposium on the Interface: Computing Science and Statistics, Pittsburgh, 1995*

12. "Using Graphics and Simulation to Teach Statistical Concepts," Mervyn G. Marasinghe, William Meeker, Dianne Cook, and Tae-sung Shin *Poster paper presented at the Joint Statistical Meetings of the American Statistical Association, Toronto, 1994*
13. Chaired the "Inference Based on the Bootstrap" invited papers session at *the Joint Statistical Meetings of the American Statistical Association, Toronto, 1994*
14. "Dynamic Graphics for Experimental Design," Mervyn G. Marasinghe and Philip Iversen, *Paper presented at the Joint Statistical Meetings of the American Statistical Association, San Francisco, 1993*
15. "Visualizing Experimental Design with LISP-STAT," Philip Iversen and Mervyn Marasinghe, *Paper presented at the 24th Symposium on the Interface: Computing Science and Statistics, Houston, 1992* (presenter: Philip Iversen)
16. "A Structure-based Approach for Model Determination in Experimental Designs," Mervyn Marasinghe *Paper presented at the Joint Statistical Meetings of the American Statistical Association, 1990*
17. "A New Conjugate Gradient Algorithm for Analysis of Variance Computations," Mervyn Marasinghe and Byung C. Kim, *Paper presented at Joint Statistical Meetings of the American Statistical Association, 1984*

c. Refereeing, editing, and reviewing for publications and professional organizations.

- **Refereed** manuscripts for the *Journal of the American Statistical Association, Technometrics, Communications of Statistics and the Journal of Computational and Graphical Statistics.*
- **Associate Editor** for *Journal of Computational and Graphical Statistics* **August 1994 until May 2002**

d. Professional Practice

1. Consulting

Consult with faculty, students and other researchers on campus on SAS, S-plus, R, Fortran, C, Linux, LaTeX and other software and handle general computing problems and questions from faculty, graduate students on a regular basis as a part of my duties in the

Statistical Computing Section as well as a general expert on these packages and languages.

2. Workshops

- **Conducted** a 4-day SAS Workshop on ISU campus in Aug, 2016 on *Data Mining Using SAS Enterprise Miner*
- **Conducted** a 3-day SAS Workshop on ISU campus in August, 2014 on *Introduction to SAS Programming and SAS Enterprise Guide*
- **Conducted** a 4-day SAS Workshop on ISU campus in May, 2014 on *Applied Analytics Using SAS Enterprise Miner*
- Participated in the *Iowa SAS Users Group 8th Des Moines one-day conference May, 19th, 2014*
- Participated in the *Applied Analytics Using SAS Enterprise Miner* Workshop held at the SAS Institute Inc. July 12-16, 2013.
- Participated in the *Advanced Business Analytics* Workshop held at the SAS Institute Inc. July 12-16, 2010, as training to teach a Business Analytics Course at ISU.
- **Conducted** a 2-day SAS Workshops on ISU campus in August, 2010, August 2011, Spring 2012, and Spring 2013. Attendance included faculty and graduate students

IX. Service

1. Committee work at the college and university levels

- Served as Chair of **LAS College Computing Advisory Committee**. (3-year term ending June 2012)
- Served as a member of the **LAS College Computing Advisory Committee** 2008/2009.
- Member of the **University Computing Advisory Committee** as representative from LAS college (appointed for 3 year term beginning 2012/2013, 2013/2014, 2014/2015).
- Member of the *Statistics Department's 75th Anniversary Committee*. Organized **Invited Session** on Statistical Computing at the *ISU Statistics Conference June 2009*.

2. Departmental committees:

- Supervisory Committee for Overseeing Statistical Computing Support Staff, 2005-2006 (Co-chair), Fall 2007 (Chair), Spring 2008 (Chair), 2011/12

- Statistics Computation Advisory Committee, 1981–1985, 85/86 (Chair), 86/87 (Chair), 87/88 (Chair), 1988–1991, 91/92 (Chair), 92/93 (Chair), 93/94, 94/95 (Co-chair) 1995–1998, 1998–2008 (Co-chair), 2009/2016
- Undergraduate Committee 1980 to 1992, 1993–2000, 2009-2016
- Seminar Committee, 81/82, 97/98
- Examination Committee for Non-thesis M.S. 82/83, 83/84, 84/85 (Chair), 86/87, 87/88, 88/89 (Chair), 90/91
- Assistantship Evaluation Committee 82/83, 83/84, 84/85
- Curriculum Committee, 89/90, 2013/2016
- Library Committee, 93/94, 2004-2009
- Social Committee, 2007/2008, 2008-2011 (Chair), 2011, 2012-2013 (Chair), 2013-2015
- *75th Anniversary Committee: Member, in charge of Poster Session 2009*

3. National professional organizations

Committee Member, *AFIPS Education Committee (ASA Representative)* 1988–1991

Member of the American Statistical Association

Member of the International Association of Statistical Education