

Curriculum Vitae
Nizam Uddin
Department of Statistics
University of Central Florida
Orlando, FL 32816
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EDUCATION

- Ph. D. - Old Dominion University, Virginia, USA, 1989.
Research Area: Optimal Experimental Design.
Advisor: John P. Morgan, Professor, Department of Statistics, Virginia Tech.
- M. Sc. - University of Saskatchewan, Canada, 1985.
- M. Sc. - University of Dhaka, Bangladesh, 1979.
- B. Sc. - University of Dhaka, Bangladesh, 1977.

TEACHING EXPERIENCE

- Professor, Department of Statistics; University of Central Florida, Orlando, Florida, USA. August, 2009 - present.
- Associate Professor, Department of Statistics and Actuarial Science; University of Central Florida, Orlando, Florida, USA. August, 2002 - July, 2009.
- Associate Director and Principal Consultant, Institute of Statistics and Data Mining, University of Central Florida, Orlando, Florida. August 2002 - July 2007.
- Visiting Assistant Professor, Department of Statistics and Actuarial Science; Associate Director and Principal Consultant, Institute of Statistics and Data Mining, University of Central Florida, Orlando, Florida. August 2001 - July 2002.
- Associate Professor, Department of Mathematics, Tennessee Technological University, Cookeville, Tennessee, USA. August 1998 - July 2001.
- Assistant Professor, Department of Mathematics, Tennessee Technological University, Cookeville, Tennessee, USA. August 1994 - July 1998.
- Assistant Professor, Department of Mathematics and Statistics, University of Southern Maine, Portland, Maine, USA. September 1989 - July 1994.
- Teaching Assistant, Department of Mathematics and Statistics, Old Dominion University, Norfolk, Virginia, USA. September 1985 - August 1989.
- Teaching Assistant, Department of Mathematics, University of Saskatchewan, Saskatoon, Canada. September 1983 - August, 1985.
- Lecturer, Department of Statistics, University of Chittagong, Chittagong, Bangladesh. June 1979 - August 1983.

AWARDS

- TIP (Teaching Incentive Program Award)- 2011
- RIA (Research Incentive Award) - 2009
- Promotion to Full Professor - August, 2009.

PUBLICATIONS - Refereed Journal Papers

(Year/Title/Authors/Journal/Volume/Pages)

- 2016 “Testing equality of two normal means using combined samples of paired and unpaired data, Nizam Uddin and Mohammed Hasan, *Communications in Statistics- Simulation and Computation*, to appear.
- 2016 “Finding Supply Chain Talent: An Outreach Strategy”, Steve Leon and Nizam Uddin, *Supply Chain Management- International Refereed Journal*, 21, 1, 20-44
- 2015 “Predictors of Intention to Refer to Pediatric Palliative or Hospice Care, Norma Conner and Nizam Uddin, *American Journal of Hospice and Palliative Care*, 1-8.
- 2015 “Stress, Social Support and Depression in Arab Muslim Immigrant Women in the Detroit Area of the United States, Karen Aroian, Nizam Uddin and Darshana Ullah. In: Nazilla Khanlou and F. Berry Pilkington (Ed), *Women’s Mental Health: Resistance and Resilience in Community and Society*, Springer International Publishing Switzerland 2015, 69-81.
- 2015 “Wrong Way Driving Multifactor Risk-Based Model for Florida Interstates and Toll Facilities, John Rogers, Adrian Sandt, Haitham Al-Deek, Ahmad Alomari, Nizam Uddin, Eric Gordin, Cristina Santos, Jessica Renfrow, Grady Carrick, *Transportation Research Record: Journal of the Transportation Research Board*.
- 2014 “Nursing student end-of- life attitudes after an online death and dying course, Norma Conner, Vicky Loerzel, and Nizam Uddin, *Journal of Hospice and Palliative Nursing*, 2014, 16, 374-382.
- 2014 “Tigecycline for severe clostridium diffivile infection, Ashley Thomas, Farhan Khan, Nizam Uddin and Mark R. Wallace. *International Journal of Infectious Diseases*, 2014, 26, 171-172.
- 2012 “Use of Locking Plate and Screws in the Triple Pelvic Osteotomy Procedure, Scott Rose, Ken Bruecker, Steve Petersen and Nizam Uddin, *Veterinary Surgery*, 41, 2012, 114-120. International Refereed Journal.
- 2012 “Effect of Locking Triple Pelvic Osteotomy Plate on Screw Loosening in 26 Dogs, Scott Rose, Jeffrey Peck, Cheryl Tano, Nizam Uddin, and Jacek Haan, *Veterinary Surgery*, 41, 2012, 156-162. International Refereed Journal.
- 2012 “Alteration of brain water content in H-Tx htdrocephalic rat, Rammling, Uddin, Paul, Madan, and Pattisapu. *Journal of Neurosurgery: Pediatrics*. In review.

- 2011 “Comparison of Some Series of Binary and Nonbinary Balanced Nested Row-Column Designs for Correlated Errors, Nizam Uddin, *JSM Proceedings of American Statistical Association*, Miami, FL, 4386-4397, 2011.
- 2011 “Comment on An alternative proof of the number of m -flats n -dimensional finite Projective Geometry formed from Galois Field $G. F. (p^n)$, where p is a prime number and n is a positive integer, By Q. M. Hossain, Nizam Uddin, Nova Science, New York, 2011. To appear.
- 2011 “Should a Cardiologist be the Principal Attending Physician or the Consultant to a Hospitalist or General Internist for Cardiovascular Disease Admissions?”, Everett G. D. and Uddin, N., *American Heart Hospital Journal*, 9, 2011, 81-86. International Refereed Journal.
- 2011 “Two constructions for neighbor balanced block designs with nested rows and columns”, **Nizam Uddin**, *Journal of statistical Theory and Applications* 10, 347-356. (International refereed journal)
- 2010 “Colistin Dosing and Nephrotoxicity in a large community teaching hospital, DeRyke, Crawford, Uddin, Wallace. *Antimicrobial Agents and Chemotherapy*, 54, 4503-4505. (Refereed Journal of American Society of Microbiology).
- 2010 “Beta-blocking drug use in cocaine abusers: is it safe and effective therapy in hospitalized patients? , Everett G. D., Uddin, N. and others. *Journal of Investigative Medicine*, 58, 357-357 (Meeting Abstract).
- 2008 “Optimal block designs for three treatments when observations are correlated”, **Nizam Uddin**, *Journal of statistical Planning and Inference*, 138, 1960-1966. (International refereed journal)
- 2008 “MV-Optimal block designs for correlated errors”, **Nizam Uddin**, *Statistics & Probability Letters*, 17, 2926-2931. (International refereed journal)
- 2008 “Optimality and efficiency of small chessboard designs for correlated errors”, **Nizam Uddin**, *Metrika*, 68, 343-350. (International refereed journal)
- 2008 “ E -optimal designs when errors follow a conditional autonormal process”, **Nizam Uddin**, *Linear Algebra and Its Applications*, doi:10.1016/j.laa.2008.09.009. (International refereed journal).
- 2008 “MV-Optimal designs for three treatments when observations are correlated”, **Nizam Uddin**, Accepted for publication in *Sankhya, Series B*, - The Indian Journal of Statistics, 70, 113-120. (International refereed journal).

- 2008 “When should a cardiologist seek hospital co-management support from a hospitalist or general internist? , George Everett and Nizam Uddin, Accepted for publication in *The American Heart Hospital Journal*. (International refereed journal).
- 2007 “Neighbor properties of some classes of *BIBRCs* and their efficiencies for correlated errors”, **Nizam Uddin**, *Journal of Statistical Planning and Inference*, 137, 1669-1680. (International refereed journal)
- 2007 “Pilot-scale verification and analysis of iron release flux model”, Mutoti, Dietz, Imran, **Nizam Uddin**, and Taylor, *ASCE Journal of Environmental Engineering*, 133, 173-179. (International refereed journal)
- 2007 “Comparison of Hospital costs and length of stay for community internists, hospitalists, and academicians”, George Everett, **Nizam Uddin**, and Beth Rudloff, *Journal of General Internal Medicine*, 22, 662-667. (International refereed journal)
- 2007 “Serum and Forskolin Cooperate to Promote G1 Progression in Schwann Cells by Differentially regulating Cyclin D1, Cyclin E1 and p27Kip Expression”, Iacovell, Lopera, Bott, Baldwin, Khaled, **Uddin** and Fernandez-Valle, *GLIA*, 55, 1638-1647. (International refereed journal)
- 2006 “Occurrence of infected amoebae in cooling towers compared with natural aquatic environments: implications for emerging pathogens”, *ACS Journal: Environmental Science and Technology*, Berk, Gunderson, Newsome, Farone, Hayes, **Uddin**, Williams, Johnson, Farsian, Reid, Skimmyhorn, Farone; *Environ. Sci. Technol.*; 2006; 40(23); 7440-7444. (International refereed journal)
- 2005 “Universally optimal structurally balanced row column designs with some empty nodes”, **Nizam Uddin**, *Journal of Statistical Planning and Inference*, 133, 509-522. (International refereed journal)
- 2005 “Constructions of some classes of neighbor balanced designs”, **Nizam Uddin** and M. Hanif Talukder, *Ars Combinatoria: Australian-Canadian Journal of Combinatorics*, 74, 275-289. (International refereed journal)
- 2005 “Split models for predicting multivehicle crashes during high-speed and low-speed operating conditions on freeways”, M. Abdel-Aty, **Nizam Uddin** and Anurag Pande, *Transportation Research Record - Journal of the Transportation Research Board No.-1908*, pp 51-58. International Refereed Journal.
- 2005 “Traffic surveillance from a safety perspective: An ITS data application”, M. Abdel-Aty, Anurag Pande and **Nizam Uddin**, *Proceedings of the 8th International IEEE*

- Conference on Intelligent Transportation Systems (ITSC2005), Vienna, September, 2005 (Refereed, published in CD).
- 2005 “Proactive real-time safety implementation strategy on freeways”, M. Abdel-Aty, Anurag Pande, and **Nizam Uddin**, , Proceedings of the 13th International Conference on Road Safety on Four Continents, Warsaw, October, 2005 (Refereed, published in CD).
- 2005 “Improving safety and security by developing a traffic accident prevention system”, M. Abdel-Aty, **Nizam Uddin** and Anurag Pande, Proceedings of the first International Conference on Safety and Security Engineering, Rome, Italy, June, 2005 (Refereed, published in CD).
- 2004 “Comparison of hospital Cost and length of stay associated with general internist and hospitalist physicians at a community hospital”, George Everett, Anton, Jackson, Swigert, and **Nizam Uddin**, *The American Journal of Managed Care*, 10, 626-630. (International refereed journal)
- 2004 “Predicting free-way crashes based on loop detector data using matched case-control logistic regression” Abdel-Aty, **Nizam Uddin**, Fathy Abdalla, and Anurag Pande, *Transportation Research Record - 1897: Journal of Transportation Research Board*, 88- 95. (International refereed journal)
- 2004 “A Behavior Checklist Comparative Investigation of the Speech-Associated Coping Responses of Persons who do and do not Stutter”, Martinee Vanryckeghem, Gene Brutton, **Nizam Uddin**, and John Borsel, *Journal of Fluency Disorders*, 29, 237-250. (International refereed journal)
- 2003 “Ethnic Identity, Self-Esteem, and Ethnocentrism: A Study of Social Identity Versus Multicultural Theory of Development”, Charles Negy, Tara Shreve, Bernard Jensen and **Nizam Uddin**, *Cultural Diversity and Ethnic Minority Psychology*, 9, 333-344. (International refereed journal)
- 2003 “Optimal row-column designs for two treatments”, John P. Morgan and **Nizam Uddin**, *Journal of Statistical Planning and Inference*, 115, 603-622. (International refereed journal)
- 2002 “A method of construction of a class of universally optimal structurally incomplete row-column designs”, **Nizam Uddin**, *Statistics & Probability Letters*, 59, 93-98. (International refereed journal)

- 2000 “Optimal cylindrical-block designs for correlated observations”, **Nizam Uddin**, *Journal of Statistical Planning and Inference*, 84, 2000, 323-336. (International refereed journal)
- 1999 “Efficient block designs for settings with spatially correlated errors- Errata”. **Nizam Uddin** and John P. Morgan. *Biometrika*, 86, 1999, 233. (International refereed journal)
- 1999 “A class of neighbor balanced block designs and their efficiencies for spatially correlated errors”, John P. Morgan and **Nizam Uddin**, *Statistics*, 32, 1999, 317-330. (International refereed journal)
- 1999 “Some E-optimal partially balanced nested row-column designs with unequal block sizes”, **Nizam Uddin**, *Calcutta Statistical Association Bulletin*, 49, 1999, 41-54. (International refereed journal)
- 1998 “On optimal two-period repeated measurements designs”, **Nizam Uddin**, *Communications in Statistics- Theory and Methods*, 27, 1998, 827-837. (International refereed journal)
- 1997 “Universally optimal designs with blocksize $p \times 2$ and correlated observations”. **Nizam Uddin** and John P. Morgan. *Annals of Statistics*, 25, 1997, 1189 - 1207. (International refereed journal)
- 1997 “Efficient block designs for settings with spatially correlated errors”. **Nizam Uddin** and John P. Morgan. *Biometrika*, 84, 1997, 443-454 (International refereed journal)
- 1997 “Optimal partially balanced nested row-column designs”, **Nizam Uddin**. *Journal of Statistical Planning and Inference*, 60, 1997, 351-366. (International refereed journal)
- 1997 “Further constructions for orthogonal sets of balanced incomplete block designs with nested rows and columns”, **Nizam Uddin** and John P. Morgan, *Sankhya*, B, 59, 1997, 156-163. (International refereed journal)
- 1997 “Orthogonal sets of balanced incomplete block designs with nested rows and columns”, John P. Morgan and **Nizam Uddin**. *Journal of Statistical Planning and Inference*, 59, 1997, 360-378. (International refereed journal)
- 1997 “Equireplicate balanced block designs with nested rows and columns with at most two distinct block sizes”. **Nizam Uddin**, Q. Chen and S. A. Patil. *Utilitas Mathematica - A Canadian Journal of Discrete and Applied Mathematics*, 52, 1997, 49-64. (International refereed journal)

- 1996 “E-optimal incomplete block designs with two distinct block sizes”, **Nizam Uddin**. *Journal of Statistical Planning and Inference*, 55, 1996, 235-248. (International refereed journal)
- 1996 “Optimal blocked main effects plans with nested rows and columns and related designs”, John P. Morgan and **Nizam Uddin**. *Annals of Statistics*, 24, 1996, 1185-1208. (International refereed journal)
- 1996 “On MV -optimal incomplete block designs with unequal block sizes”. **Nizam Uddin** and Leiming Li. *Metron*, 30, 1996, 195-205. (International refereed journal)
- 1995 “The robustness of binary and non-binary nested row-column designs under the unavailability of blocks : a comparison”, **Nizam Uddin** and Dexter C. Whittinghill. *The Australian Journal of Statistics*, 37, 1995, 111-124. (International refereed journal)
- 1995 “E-optimal nested row-column designs with unequal replications of treatments”, **Nizam Uddin** and S. A. Hossain. *Sankhya - The Indian Journal of Statistics, Series B*, 57, 1995, 112-121. (International refereed journal)
- 1995 “On recursive construction for balanced incomplete block designs with nested rows and columns”. **Nizam Uddin**. *Metrika - International Journal of Theoretical and Applied Statistics*, 42, 1995, 341-345. (International refereed journal)
- 1995 “Optimal, Non-Binary, Variance Balanced Designs”. John P. Morgan and **Nizam Uddin**. *Statistica Sinica*, 5, 1995, 535-546. (International refereed journal)
- 1993 “Optimality and construction of nested row and column design”. John P. Morgan and **Nizam Uddin**. *Journal of Statistical Planning and Inference*, 37, 1993, 81-93. (International refereed journal)
- 1993 “On mutually orthogonal and totally balanced sets of balanced incomplete block designs with nested rows and columns”. John P. Morgan and **Nizam Uddin**, *Statistica Sinica*, 3, 1993 435-451. (International refereed journal)
- 1992 “Constructions for some balanced incomplete block designs with nested rows and columns”. **Nizam Uddin**. *Journal of Statistical Planning and Inference*, 31, 1992, 253-261. (International refereed journal)
- 1992 “Optimal block designs with maximum blocksize and minimum replication constraints”, **Nizam Uddin** and John P. Morgan, *Communications in Statistics*, 21(1), 1992, 179 - 195. (International refereed journal)

- 1991 “Two dimensional design for correlated observations”. John P. Morgan and **Nizam Uddin**. *Annals of Statistics*, 19, 1991, 2160-2182. (International refereed journal)
- 1991 “Optimal and near optimal sets of Latin squares for correlated errors”, **Nizam Uddin** and John P. Morgan, *Journal of Statistical Planning and Inference*, 29, 1991, 279-290. (International refereed journal)
- 1991 “Two constructions for balanced incomplete block designs with nested rows and columns”, **Nizam Uddin** and John P. Morgan. *Statistica Sinica*, 1, 1991, 229-232. (International refereed journal)
- 1990 “Some constructions of balanced incomplete block designs with nested rows and columns”, **Nizam Uddin** and John P. Morgan. *Biometrika*, 77, 1990, 193-202. (International refereed journal)
- 1990 “Some series constructions for minimal size equineighboured balanced incomplete block designs with nested rows and columns”, **Nizam Uddin**, *Biometrika*, 77, 1990, 829 - 833. (International refereed journal)
- 1990 “Some constructions for rectangular, Latin square and pseudocyclic nested row-column designs”, J. P. Morgan and **Nizam Uddin**, *Utilitas Mathematica*, 38, 1990, 43-51. (International refereed journal)

PUBLICATIONS - Editor-Invited Papers

(Year/Title/Authors/Journal/Volume/Pages)

- 2007 “A note on E-optimal incomplete block designs for correlated observations, **Nizam Uddin**, *Journal of Statistical Studies*, 2007, 26, 139-142.
- 2004 “Two series constructions of nearest neighbor balanced *BIBRCs*”, **Nizam Uddin**, *Pak. J. Statistics*, 20, 123-128.
- 2002 “A note on optimal design in $3 \times q$ blocks with correlated errors”, **Nizam Uddin**, *Jahangirnagar University Studies*, Special Volume, 219-213.
- 1999 “On optimal row-column designs for two treatments”, David Caughran and **Nizam Uddin**, *Journal of Statistical Research*, 33, 1999, 27-34.
- 1997 “Row-column designs for comparing two treatments in the presence of correlated errors”, **Nizam Uddin**, *Journal of Statistical Research*, 31, 1997, 75-81.

PRESENTATIONS

Invited Conference Presentations

- “Optimal block designs for three treatments when observations are correlated”. International Conference on *Designed Experiments: Recent Advances in Methods and Applications*, August 11-15, 2008, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK.
- “Optimal block designs for correlated observations”. International Conference on Interdisciplinary Mathematical and Statistical Techniques, May 16-18, 2008, Memphis, Tennessee.
- “E-optimal designs when errors follow conditional autonormal process”, The 16th International Workshop on Matrices and Statistics, University of Windsor, Canada, June 1-3, 2007.
- “Some optimal designs for two treatments in row-column settings with correlated errors, International Conference on Design of Experiments, May, 2005, Memphis, Tennessee.
- “Neighbor Properties of some classes of *BIBRCs* and their efficiencies for correlated errors”, International Conference on Statistics, Combinatorics and Related Areas, Portland, Maine, USA, October 3- 5, 2003.

- “Some contributions to the optimality and construction of design of experiments”. 1st North American New Researchers Conference, Berkeley, California, August, 1993.
- “Optimal cylindrical-block designs for correlated observations”. Forum for Interdisciplinary Mathematics, Mobile, Alabama, 1999.

Contributed Conference Presentations

- “Optimal partially balanced nested row-column designs”. Presented at IMS Eastern Regional Meeting and International Biometric Society Spring Meeting, Birmingham, Alabama, March 25-29, 1995.
- “Efficient block designs for settings with spatially correlated errors”. IMS Eastern Regional Meeting, Richmond, Virginia, March 17-20, 1996.
- “ON E -optimal incomplete block designs ”, The 4-th New England Statistics Symposium, April-1990.
- “A method for the construction of balanced incomplete block designs with nested rows and columns ” The 218th meeting of the Institute of Mathematical Statistics, Philadelphia, June/91, and Joint Statistical Meetings of the American Statistical Association, the Institute of Mathematical Statistics and the Biometric Society, Atlanta, August/91.
- “On E -Optimal incomplete block designs with unequal block sizes ”, The 6-th New England Statistics Symposium, April-1992.
- “ E -optimal incomplete block designs with two distinct block sizes” Joint Meetings of The Biometric Society, American Statistical Association, and the Institute of Mathematical Statistics, Philadelphia, March/92.
- “On recursive construction for balanced incomplete block designs with nested rows and columns ” Joint Statistical Meetings of the American Statistical Association, the Institute of Mathematical Statistics and the Biometric Society, Boston, August/92.

Invited University Seminars/Colloquia

- “Optimal block designs for three treatments with correlated errors, Department of Statistics, Dhaka University, Bangladesh, July 2007.
- “Optimal block designs for three treatments with correlated errors, Department of Statistics, Jahangirnagar University, Bangladesh, July, 2007.
- “Statistically Designed Experiments - An Introduction”, Department of Biology, UCF, October, 2004.
- “Optimal two-period repeated measurements designs”, Department of Statistics, University of Dhaka, Bangladesh, May, 1996.
- “Optimal two-period repeated measurements designs”, Department of Statistics, University of Chittagong, Bangladesh, May, 1996.
- “Introduction to *SAS* Interactive Matrix Language (*SAS/IML*)”, University of Southern Maine, Spring - 1994.
- “Optimal incomplete block designs with variable replications and block sizes ”, University of Southern Maine, Spring-1990.
- “Optimal and near optimal sets of Latin squares for correlated errors ” , University of Southern Maine, Fall- 1989.

FUNDED RESEARCH AND CONSULTING PROJECTS

PI/Co-PI /Funding Agency/Amount/Year

- **Nizam Uddin** (PI), Orlando Regional Healthcare System, \$36,245.00, 2001-2006.
- **Nizam Uddin** (PI), Incharge Institute, \$18,100.00, 2003- 2005.
- **Nizam Uddin**, Principal Consultant, Institute of Statistics and Data Mining, \$19,750.00 (fee received by the Department of Statistics and Actuarial Science for miscellaneous projects through the Institute), 2001 - 2008.
- David Nickerson (PI) and **Nizam Uddin** (Co-PI) Golfweek's Super News, \$8,500.00, Co-PI's share 50%, 2006.
- Abdel-Aty (PI) and **Nizam Uddin** (Co-PI), Florida Department of Transportation, \$507,966.00, Co-PI's share \$45,716.00, 2004 - 2006.
- Abdel-Aty (PI) and **Nizam Uddin** (Co-PI), Florida Department of Transportation, \$122,650.00, CO-PI's share was equivalent to two months summer salary, 2002 - 2004.
- Cristina Fernandez-Valle (PI) and **Nizam Uddin** (Statistical Consultant), Department of Defence, \$926,698, Consultant's share: one month summer salary, 2003- 2007.
- Sharon Berk (PI) and **Nizam Uddin** (Statistical Consultant), Environmental Protection Agency, \$396,060.00, Consultant's share: one month summer salary, 1998-2001.
- **Nizam Uddin** (PI), National Science Foundation, \$30,000.00, 1992-94.
- **Nizam Uddin** (PI), Maine EPSCoR, \$ 10,000.00, 1991 -1992.
- **Nizam Uddin** (PI) University of Southern Maine, \$3,000.00, 1991.
- **Nizam Uddin** (PI), Tennessee Technological University, \$ 8,800.00, 1997-2001.

COURSES TAUGHT

- **Courses Taught at UCF:**

Statistical Methods I- STA 2023;
HON Statistical Methods I- STA 2023H;
Statistical Graphics- STA 3096;
Computer Processing of Statistical Data- STA 4102;
Biostatistical Methods- STA 4173;
Logistic Regression Analysis- STA 6238;
Experimental Design- STA 5205;
Nonparametric Methods- STA 6507;
Advanced Statistical Inference I - STA 6938;
Advanced Statistical Inference II - STA 6347;

- **Courses Taught at Other Institutions:**

Elementary Probability and Statistics,
Statistical Packages (SAS, SPSS, SYSTAT),
Statistical Methods,
Statistical Inference,
Business Probability and Statistics,
Engineering Statistics,
Analysis of Variance,
Experimental Design,
Applied Regression Analysis,
Nonparametric Methods,
Applied Multivariate Analysis,
Applied Linear Statistical Methods,
Mathematical Statistics,
Advanced Statistical Inference.
Trigonometry and Applications,
Elementary Matrix/Linear Algebra,
College Algebra,
Finite Mathematics,
Pre-Calculus Mathematics,

SERVICE ACTIVITIES

Service Activities- Department

- Coordinator, Undergraduate Program in Statistics, Spring/2010-Present.
- Coordinator, Undergraduate Programs in Statistics and Actuarial Science, Fall/2003-Summer/2006.
- Advisor, all statistics major (about 40 students), Fall/2003-Summer/2006.
- Advisor, all actuarial Science major (about 35 students), Fall/2005 - Summer/2006.
- Chair, Assessment Committee, 2004 - 2006.
- Chair, Undergraduate Studies Committee, 2004 - 2006.
- Chair, Actuarial Science Search Committee, Spring, 2006
- Chair, Colloquium Committee, 2007, 2008
- Member, Chair's Advisory Committee, 2002-2004.
- Member, Webmaster Committee, 2002-2004.
- Member, Computer Equipment Committee, Summer and Fall, 2004.
- Member, CAS RIA Committee, 2005
- Member, Chair Search Committee, 2005
- Member, Personnel/P & T Committee, 2006, 2007
- Member, Colloquium Committee, 2006
- Member, ALC Committee, 2006, 2007

Service Activities- College

- Member, CAS Undergraduate Curriculum Advising Council, Fall/2004 - Summer/2005.

Service Activities- University

- CAS Representative to University RIA Committee, 2005

Service Activities- Local Community

- Responded to numerous phone calls/emails on various consulting issues of the Institute of Statistics and Data Mining.
- Judge, Orlando Science Olympiad, February, 2005.
- Judge, Florida Science Olympiad, March, 2005.

Service Activities- Students

- Advised all undergraduate statistics majors (about forty students), Fall/2003 - Summer/2006
- Advised all undergraduate actuarial science majors (about thirty-five students), Fall/2005 - Summer/2006
- Supervised one intern and one independent study student.
- Supervised consulting activities of three graduate students.
- Served on four masters and twelve PhD dissertation committees.
- Supervised five masters theses prior to joining UCF. Results from four of these five theses appeared in journals of which three are peer-reviewed.

PROFESSIONAL and OTHER ACTIVITIES

- Elected Member, International Statistical Institute, 2006.
- Member, Editorial Board, Far East Journal of Theoretical, 2004-present. Statistics.
- Associate Editor, Journal of Statistical Theory and Applications, 2007 - present.
- Member, American Statistical Association.
- Member, Masters thesis committee (four students) and PhD dissertation committee (twelve students), 2002 - 2008.
- Refereed research papers for the following journals:
 - Annals of Statistics*
 - Biometrika*
 - Journal of Statistical Planning and Inference*
 - Journal of Royal Statistical Society-Series B*
 - Communications in Statistics*
 - Annals of the Institute of Statistical Mathematics,*
 - Statistica Sinica*
 - Metrika*
 - Utilitas Mathematica*
 - Calcutta Statistical Association Bulletin*
 - Sankhya, Series B*
 - Far East Journal of Theoretical Statistics.*
 - Journal of Transportation Research Board*
 - Journal of Statistical Theory and Applications*
 - Journal of Statistical Theory and Practice*
 - Statistical Methodology*
 - ASCE's Journal of Transportation Engineering*

CONSULTING

- Served as Principal Consultant, Institute of Statistics and Data Mining, Department of Statistics and Actuarial Science, University of Central Florida, 2001 - 2007. Activities include
 - Work on five funded research projects and many small consulting projects (listed under grants section).
 - Preparation of final statistical reports of all completed projects.
 - Oral presentation of summary reports to clients of some consulting projects.
 - Twelve publications in refereed journals outside of mainstream statistics.
 - Supervision of graduate students assigned to work for the Institute.
 - Free consultation meetings with many faculty members and students of UCF as well as members of local organizations such as Orlando Regional Hospital, Florida Hospital, Incharge Institute, etc.
 - Response to numerous phone calls and email inquiries regarding the services of the Institute.
 - Review of research papers and documents related to various funded projects.
 - Preparation and submission of annual budget of the Institute.
 - Preparation/revision of some important documents (e.g., Value of our Institute to the State, Mission and Areas of Focus of the Institute, etc.) submitted to UCF as well as to the State Board of Education

- Consultant/Technical Expert, International Agricultural Programs, University of Minnesota, USA, June 1- July 1, 1997.

COMPUTER BACKGROUND

- Statistical packages : *SAS, SYSTAT, SPSS, MINITAB, BMDP, EXCEL.*

- Programming Languages : *Pascal & Fortran.*

- Word Processor : *TEX, LATEX, Microsoft Word.*