

VITA

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- 1981 – 1985: (Tenured) Asso. Professor [National University of Iran](#) (Shaheed Beheshti University), Iran
- 1968 – 1981: (Tenured) Asst. Professor Institute of Statistics and Informatics, Tehran, Iran
- Summer 1991: Visiting Scholar [University of South Carolina](#), Columbia, SC
- Summer 1985: Lecturer [Mt. San Antonio College](#), Walnut, California, USA
- Summer 1984: Visiting Scientist [McMaster University](#), Hamilton, Ontario, Canada

4. Academic Administrative Experience

- **At Prairie View A&M University**

- 2002 – Present Head of Department of Mathematics
- 2008 – Present Chair, Curriculum Committee, College of Arts and Sciences
- 2007 – Present Member, NCATE Task Force, College of Education
- 2007 – Present Member, Advisory Board, Local Cooperative Teacher Education Center
- 2005 – Present Member, the Prairie View A&M University Teacher Education Council
- 2005 – Present Member, Advisory Board, Alternative Teacher Certification
- 2005 – Present Member, Advisory Board, Alternative Teacher Certification
- 2004 – Present Faculty Representative to the Library Committee
- 2005 – 2013 Member, the University Library Committee, PVAMU
- 2006 – 2008 Member, College of Arts and Sciences Curriculum Committee
- 2006 – 2008 Member, College of Arts and Sciences Tenure and Promotion Committee
- 2002 – 2005 Member, the University Academic Council
- 2002 – 2004 Member, representing the College of Arts and Sciences, of the Information Technology Committee
- 2003 – 2005 Member of the Cohort IV of the Academy for Educator Development
- 2003, 04, 05 Chair, University Academic Council Task Force for Physics, Creative Writing and English Certification, Nursing, and MIS
- 2003 – 2004 Member, representing the College of Arts and Sciences, of the University Academic Scholarship Oversight Committee
- 2005 Chair, Finance Committee, Honors, Convocation the College of Arts and Sciences hosting

- **At the Institute of Statistics and Informatics**

- 1980 - 1981 Interim President
- 1980 - 1981 Chairman, Academic Council
- 1979 - 1980 Vice President for Academic and Research Affairs
- 1976 - 1980 Chairman, Department of Statistics
- 1976 - 1978 Director, Office of Budget and Planning
- 1971 - 1973 Director, Office of Admissions

- **At Benedict College**

- 2000 – 2002 Member, Faculty Promotion and Tenure Committee
- 1996, 1997, 2002 Chair, Search Committee to hire new faculty members in mathematics, Math/Computer Science Department
- 1998 – 2002 Chairman, Transfer Students' Transcripts Audit Committee
- 1996 – 2002 Member, Information Technology Committee
- 1999 – 2001 Member, Search Committee, mathematics and computer science faculty, Math/Computer Science Department
- 1999 – 2001 Chair, Faculty Principal Committee, Institutional Self-Study
- 1999 – 2001 Member, Steering Committee, Institutional Self-Study
- 1998 – 2000 Chairman, the Year 2000 Compliance Task Force
- 1999 Chair, Right-size the College Subcommittee of the Strategic Planning Committee
- 1999 Chairman, Math/Computer Science Department Five-Year Strategic Plan Task Force
- 1997 – 1998 Member, Evaluation Instrument Development Task Force, School of Arts and Sciences
- 1996 – 1998 Member, Literary Awards Committee, School of Arts and Sciences
- 1995 – 1998 Chairperson, Specialization Sub-Committee, Self-Study for the State Board of Education's re-accreditation process for the Teacher Education Program
- 1995 – 1998 Member, Steering Committee, Teacher Education Program
- 1995 – 1996 Member, Research and Engineering Committee, FHWA/SCDOT/Benedict Partnership
- 1995 – 1996 Chairperson, Research/Studies/Fellowship Subcommittee, FHWA/SCDOT/Benedict Partnership
- 1991 – 1994 Chairperson, Benedict College Faculty Evaluation Committee
- 1990 – 1991 Chairperson, Departmental Self-Study for Southern Association of Colleges and Schools (SACS)
- 1985 – 1991 Member, Benedict College Faculty Evaluation Committee
- 1985 – 1989 Chairperson, Departmental Grant Proposal Committee
- 1985 – 1989 Member, Mathematics Curriculum Committee
- 1985 – 1989 Member, Departmental Computer Curriculum Committee
- 1985 – 1986 Member, Admissions, Recruitment and Retention Committee

In addition, at Benedict I served as: Chair, Departmental Internship advisory Committee (2000 – 2001), Member, Search Committee to hire new faculty members in chemistry, Biological and Physical Science Department (2002), Chair, Sub-Committee for Mathematics Senior Research Papers (2001 – 2002), Team Leader, Applied Mathematics, Math/ Computer Department (2000 – 2002), Team Leader, Calculus Sections, Math/Computer Department (2000 – 2002), Member, Technology Committee, Institutional Self-Study (1999 – 2001), Member, Information Technology Training Sub-Committee (1998–2000), Coordinator, Calculus Sections, Math/Computer Department (1997–2000), Member, Computer Staff Search

Committee (1998 & 1999), Member, Faculty/Student Search Committee to hire Director of the Honors Program (1998), Chairman, College Algebra Course-Series Task Force, Math/Computer Science Department (1997 – 1998), Member, Library Committee (1996 – 1998), Chairperson, Common Course Outline Committee (1995 – 1998), Member, Library Search Committee to hire Director of the Library (1996 – 1997), Member, Mathematics Search Committee (1994 – 1995), Member, Mathematics Search Committee (1993 – 1994), Coordinator, Benedict College Faculty Evaluation (1993 – 1994), Chairperson, Divisional Graduate and Professional School Advisory Committee, and Chairperson, Divisional Student Academic Responsibility Committee.

5. Honors

- (1) **Editor-in-Chief**, one of the two **Founders** and **Founding Editors-in-Chief** of the *Applications and Applied Mathematics: An International Journal (AAM)*, an online journal established in April 2005. The first issue was posted online on June 26, 2006. It can be viewed at: <http://pvamu.edu/pages/aam>. It is now in its 10th year of existence and its next issue will be Vol. 10, Issue 1 (June 2015).
- (2) **Editor-in-Chief** of the Mathematics Department Technical Report Series, Department of Mathematics, Prairie View A&M University, Prairie View, Texas. First Issue (Issue 0) was posted on September 1, 2006. It can be viewed at: <http://www.pvamu.edu/pages/2369.asp>
- (3) **Editorial Board Member**, Journal of Data Analysis and Operations Research (JDAOR), Bahrain, <http://www.naturalspublishing.com/show.asp?JorID=35&pgid=0>, since 2013.
- (4) **Editorial Board Member**, International Journal of Statistics & Economics (formerly Bulletin of Statistics and Economics), <http://ceser.res.in/bse.html>, since 2008.
- (5) **Editorial Board Member**, Computational Methods for Differential Equations, since 2014. <http://cmde.tabrizu.ac.ir/>
- (6) **Board of Review member**, International Journal of Engineering, Iran, since March 2008. <http://www.ije.ir/people/>
- (7) **Student Scholarship Award “Dr. Aliakbar Montazer Haghighi Mathematics Scholarship”**, Department of Mathematics, Prairie View A&M University, Established by me on March 28, 2014.
- (8) Nominated by faculty of mathematics for the A&M University System Board of **Regent Professor**, 2012, and 2013.
- (9) **Honorary member** of the Scientific Committee for the Eighteenth Annual mathematics Conference of Bangladesh mathematics Society, December 2013.

- (10) **Was invited** as one of the “**Elites and Specialists Iranian Abroad**” by the government of Iran and attended the second **Great Congress of Iranian Abroad**. Attended August 2 – 3, 2010.
- (11) **Scientific Committee Member**, International Conference, Dynamical Systems and Applications, November 2009.
- (12) **Speakers** for an Invited Talk at the 2014 ICRAM conference at Nagpur University, India.
- (13) One of the eleven worldwide **Plenary Speakers** of the 34th International Conference on Applications of Mathematics in Engineering and Economics, June 6 – June 12, 08, Sozopol, Bulgaria.
- (14) Received a **certificate of recognition of** “outstanding Participation as a Judge” at the 4th Annual STEM Research Symposium, March 21, 2014, at Prairie View A&M University.
- (15) Have been included in the 2010-2013 Editions of **Who's Who in North America Education**.
- (16) Have been included in the 2010-2012 Editions of **Who's Who Among Collegiate Faculty**.
- (17) Have been included in 5 editions (2008-2013) of the **Marquis Who's Who in America**.
- (18) Have been included in the 2008 – 2009 **Honor Edition of Who's Who Among Executives and Professionals**.
- (19) Have been included in the 10th Annual Edition of **Who's Who Among America's Teachers**, 2005-2006, 2004, and more.
- (20) Have been selected to be included in the 2004 – 2005, 9th Edition of the **United Who's Who**.
- (21) Receiver of **Excellence in Research Award**, Department of Mathematics, September 2007.
- (22) Have been assigned as the **Departmental Liaison** for the Mathematical Association of America, MAA, 2006 – Present.
- (23) Chosen to be the only mathematician from the United States to be a **member of the Organizing Committee** of the 30th Jubilee and the 31st International Conference on Applications of Mathematics in Engineering and Economics, June 6 – June 12, 04 and June 7 – 12, 05, respectively, Sozopol, Bulgaria.
- (24) Received a **certificate of recognition** “for the dedication and hard work, and contributions made through the membership of the Academy of Educator Development to strengthen educator preparation at prairie View A&M University”, March 25, 2003, signed by Dr. M. Paul Mehta, Dean of College of Education, Dr. E. Joahanne Thomas-Smith, Provost and Vice President for Academic Affairs, and Mr. Willie A. Tempton, Interim President of Prairie View A&M University.
- (25) Was recognized by the Honors Program as **Distinguished Honors Faculty Member** for Outstanding Service to the Honors Education at Benedict College, February 27, 2001.

- (26) Was invited by the **People to People Ambassador Programs** to be a member of Mathematics Education delegation to travel to **South Africa**. I was one of 32 delegates ranged from elementary school teacher level through university professor level. This trip happened from November 10, 2000 through November 19, 2000. Benedict College provided the total cost of the travel. The delegation visited three South African Universities (University of Cape Town, University of the Western Cape, and University of the Witwatersrand), two high schools (Westerford and Portland) and one elementary school (Nomlinganiselo) in Cape Town and Johannesburg.
- (27) Was nominated as the **Professor of the Year in Scholarly Activities** and Teaching categories for the years 1998 and 1999 at Benedict College by the Chairman of the Department of Mathematics and Computer Science.
- (28) Received a **lifetime Instructor Credential Award** for the **California Community Colleges**, March 5, 1985.
- (29) Received a **full scholarship** for the period of 1973 to 1976 from the Ministry of Higher Education of Iran to complete my Ph.D. program at Case Western Reserve University, Cleveland, Ohio.

6. Research Interest

I have been and am engaged in research on stochastic processes, queueing modeling and communication lines with balking, reneging, splitting, delay-service and delayed-feedback, as well as statistical analysis, biostatistics and mathematical statistics.

7. Publications (Books, Lecture Notes, Research Papers)

• Books Published in English

- (1) **Aliakbar Montazer Haghighi**, and Dimitar P. Mishev, *Delayed and Network of Queues*, Contracted by John Wiley & Sons Inc., 2014, to appear 2016.
- (2) **Aliakbar Montazer Haghighi**, and Dimitar P. Mishev, *Difference and Differential Equations with their Applications in Queuing Theory*, John Wiley & Sons Inc., 2013.
http://www.wiley.com/WileyCDA/Section/id-WILEY2_SEARCH_RESULT.html?query=haghighi
- (3) **Aliakbar Montazer Haghighi**, Jian-ao Lian and Dimitar P. Mishev, *Advance Mathematics for Engineers with Applications in Stochastic Processes*, Revised Edition. Nova Science Publishers, Inc., a New York, 2012 (Original Edition 2011).
https://www.novapublishers.com/catalog/product_info.php?products_id=36626&osCsid=7ed271dac267e38ea22b93987f939075
- (4) **Aliakbar Montazer Haghighi**, and Dimitar P. Mishev, *Queuing Models in Industry and Business, Second Edition* 2014. Nova Science Publishers, Inc., a New York, (original Edition 2008).
https://www.novapublishers.com/catalog/product_info.php?products_id=42055&osCsid=7ed271dac267e38ea22b93987f939075

• Books Published (authored/Translated) in Farsi

- (5) **A. Montazer Haghghi**, *Theory of Functions of a Complex Variable* (three editions), Institute of Statistics and Informatics, Tehran, Iran, 1976.
- (6) **A. Montazer Haghghi**, *Axiomatic System and Axiomatic Set Theory*, Institute of Statistics and Informatics, Tehran, Iran, 1973.
- (7) **A. Montazer Haghghi**, Persian translation of the *Finite Groups* by Walter Ledermann, Institute of Statistics and Informatics, Tehran, Iran, 1971.
- (8) **A. Montazer Haghghi**, Persian translation of the *Galois Groups* by Emil Artin, Institute of Statistics and Informatics, Tehran, Iran, 1970.
- (9) **A. Montazer Haghghi**, Persian translation of the *Theory of Operations Research* by Van Der Veen, Institute of Statistics and Informatics, Tehran, Iran, 1969.

• Lecture Note Published in English

- (10) S. Durham, **Aliakbar Montazer Haghghi** and P. Goddard, *Differential Markov Chain: An Introduction to Applied probability*. Lecture Notes, Department of Statistics, University of South Carolina, 1991.

• Lecture Notes Published in Farsi

- (11) **A. Montazer-Haghghi**, *Theory of Stochastic Processes*, Lecture Notes. National University of Iran, Tehran, 1984.
- (12) **A. Montazer Haghghi**, *Queueing Theory*, Lecture Notes. National University of Iran, Tehran, 1984.
- (13) **A. Montazer Haghghi**, *Ordinary Differential Equations*, Lecture Notes. National University of Iran, Tehran, 1984.
- (14) **A. Montazer Haghghi**, Persian translation of the *Foundations of the Theory of Probability* by A. N. Kolmogorov, Lecture Notes. National University of Iran, Tehran, 1983.

• Refereed Research Papers Published

- (15) **Aliakbar Montazer Haghghi**, and Dimitar P. Mishev, *Busy Period of a Single-server Poison Queueing System with Splitting and Batch Delayed-Feedback*, to appear in International Journal of Mathematics in Operations Research, to appear in 2015.
- (16) **Aliakbar Montazer Haghghi**, and Dimitar P. Mishev, *Stepwise Explicit Solution for the Joint Distribution of Queue Length of a MAP Single-server Service Queueing System with Splitting and varying Batch Size Delayed-Feedback*, to appear in 2015.

- (17) **Aliakbar Montazer Haghighi**, and Dimitar P. Mishev, *Stochastic Three-stage Hiring Model as a Tandem Queueing Process with Bulk Arrivals and Erlang Phase-Type Selection*, $M^X/M^{(k,K)}/1 - M^Y/E_r/1 - \infty$, International Journal of Mathematics in Operations Research (IJMOR), Vol. 5, No. 5, 2013. <http://www.inderscience.com/jhome.php?jcode=ijmor>
- (18) **Shayib, Mohammed and Aliakbar Montazer Haghighi**, *Moments of the Reliability, $R = P(Y < X)$, as a Random Variable*, International Journal of Computational Engineering Research (IJCER), Vol. 3, Issue 8 (August 2013). <http://www.ijceronline.com/v3i8.html>
- (19) **Aliakbar Montazer Haghighi**, Stefanka Chukova and Dimitar P. Mishev, *Single-Server Poisson queueing system with delayed-feedback: Part 1*, International Journal Mathematics in Operational Research (IJMOR), Vol. 3, No. 1, 2011. <http://inderscience.metapress.com/content/pu621103040787h8/?p=6b728733e9ee41849d61a6fde8bb9dac&pi=0>
- (20) Mohammed A. Shayib and **Aliakbar Montazer Haghighi**, *An Estimation of Reliability: Case of One-Parameter Burr Type X Distribution*. International Journal of Statistics and Economics, Vol. 6, No. S11, Spring 2011. <http://www.ceser.in/ceserp/index.php/bse/article/view/863>
- (21) **Aliakbar Montazer Haghighi**, and Mohammed A. Shayib, *Reliability computation using logistic and Extreme-Value Distributions*. International Journal of Statistics and Economics, Vol. 4, No. S10, Spring 2010. <http://www.ceser.in/ceserp/index.php/bse/article/view/863>.
- (22) **Aliakbar Montazer Haghighi**, and Mohammed A. Shayib, *Shrinkage Estimators for Calculating Reliability, Weibull Case*. Journal of Applied Statistical Science (JASS), Vol. 17, No. 2, 2008 (online), 2010 (paper). https://www.novapublishers.com/catalog/product_info.php?products_id=12874.
- (23) **Aliakbar Montazer Haghighi**, and Dimitar P. Mishev, *Analysis of a Two-node Task-Splitting Feedback Tandem Queue with Infinite Buffers by Functional Equation*, International Journal of Mathematics in Operations Research, Vol. 1, No. 1/2, 2009. <http://www.inderscience.com/info/inarticletoc.php?jcode=ijmor&year=2009&vol=1&issue=1/2>.
- (24) **Aliakbar Montazer Haghighi**, Stefanka Chukova, and Dimitar P. Mishev, *A Two Station Tandem Queueing System with Delayed-Service*. International Journal of Operational Research, Vol. 3, No. 4, 2008. <http://www.inderscience.com/info/inarticletoc.php?jcode=ijor&year=2008&vol=3&issue=4>.
- (25) **Aliakbar Montazer Haghighi**, Stefanka Chukova, and Dimitar P. Mishev, *Busy Period of a Delayed-Service Single-Server Poisson Queue*. American Institute of Physics (AIP), <http://www.aip.org>, Conference Proceedings, Volume 946, online October 18, 2007. Applications of Mathematics in Engineering and Economics, 33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007. ISBN: 978-0-7354-0460-1. Editor: Michail D. Todorov, Technical University of Sofia.

- (26) **Aliakbar Montazer Haghghi**, and Dimitar P. Mishev, *A Tandem Queueing System with Task-Splitting, Feedback and Blocking*. [International Journal of Operational Research](#) (IJOR) Vol.2 No. 2, pp. 208 – 230, 2007.
<http://www.inderscience.com/info/inarticletoc.php?jcode=ijor&year=2007&vol=2&issue=2>.
- (27) **Aliakbar Montazer Haghghi**, Roozbeh Wakil and Johnson Wetiba, *An Alternative Method of Teaching: Reverse-Traditional/Hands-On*. [Applications and Applied Mathematics: An International Journal](#) (AAM), Online, Vol. 1, No. 1, pp. 62 – 82, June 2006.
<http://www.pyamu.edu/aam>.
- (28) **Aliakbar Montazer Haghghi**, and Dimitar P. Mishev, *A Parallel Priority Queueing System with Finite Buffers*. *Journal of Parallel and Distributed Computing*, 66, pp. 379-392, 2006.
<http://www.sciencedirect.com/science/journal/07437315/66/3>.
- (29) Anastasia Ivanova, **Aliakbar Montazer-Haghghi**, Sri Gopal Mohanty, and Steven D. Durham, *Improved up-and-down designs for phase I trials*. *Statistics in Medicine*, 22, No. 1, pp. 69-82, 2003.
<http://onlinelibrary.wiley.com/doi/10.1002/sim.v22:1/issuetoc>.
- (30) **Aliakbar Montazer Haghghi**, *An Analysis of a Parallel Multi-Processor System with Task Split and Feedback*. *Computers Ops. Res.* Vol. 25, No. 11, pp. 948 – 956, 1998.
<http://www.sciencedirect.com/science/journal/03050548/25/11>.
- (31) **Aliakbar Montazer Haghghi** and Juanita S. Scott, *Calculus Excellence Workshop: A Case Study*. *PRIMUS* (Problems Resource, and Issues in Mathematics Undergraduate Studies), *Taylor and Francis Online*, Vol. 8, No. 2, pp. 150-162, 1998.
<http://www.tandfonline.com/toc/upri20/8/2#.UZ15vfU4yhk>.
- (32) **Aliakbar Montazer Haghghi**, Robert Trueblood: *Busy Period Analysis of a Parallel Multi-Processor System with Task Split and Feedback*. *The Advances In System Science and Applications (ASSA)*, Special Issue, 1997.
- (33) Stephen D. Durham, Nancy Flournoy, **Ali A. Montazer Haghghi**, *Up-and-Down Designs II.: Exact Treatment Moments*. *Adaptive Designs* (South Hadley, MA, 1992), [Institute of Mathematical Statistics Lecture Notes Monograph Series](#), 25, pp. 158-178, 1995.
- (34) Stephen D. Durham, Nancy Flournoy, **Ali A. Montazer Haghghi**, *Up-and-Down Designs*. *Computing and Statistics: Interface*, Vol. 25, pp. 375-384, 1993.
- (35) S. G. Mohanty, **A. Montazer Haghghi** and R. Trueblood, *On the Transient Behavior of a Finite Birth-Death Process with an Application*. *Computers and Ops. Res.* Vol. 20, No. 3, pp. 239-248, 1993.
- (36) **A. Montazer Haghghi**, J. Medhi, and S. G. Mohanty, *On a Multi-Server Markovian Queueing System with Balking and Reneging*. *Computers. and Ops. Res.* Vol. 13, pp. 421-425, 1986.
- (37) **A. Montazer Haghghi**, *An M/M/2 Queueing System with Feedback*, [Bulletin of Iranian Mathematical Society](#), Vol. 13, No. I & 2 (serial No. 21). pp. II -27, 1986.

- (38) **A. Montazer Haghghi**, *A Many-Server Queueing System with Feedback*, [Bulletin of Iranian Mathematical Society](#), Vol. 9, No. I (serial No. 16), pp. 65-74, 1981.
- (39) **A. Montazer-Haghghi**, *Many-Server Queueing System with Feedback*, [Proc. of the 8th National Mathematics Conference](#), Aryamehr University of Technology, Tehran, Iran, 1977.
- (40) **A. Montazer-Haghghi**, *A necessary and sufficient condition for a square matrix to have an infinite number of square roots*. English translation from the Persian, [Research Bulletin](#), No. 3, Institute of Statistics and Informatics, Tehran, Iran, 1972.

• **Non-Refereed Research Papers Published**

- (41) **Aliakbar Montazer Haghghi**, and Dimitar P. Mishev, “A Two-Station Tandem Queueing System with Task-Splitting, Feedback, and Blocking” Proceeding of the 30th International Summer School of Applications of Mathematics in Engineering and Economics (AMEE), June 7 – 12, 2004, Sozopol, Bulgaria.
- (42) **Aliakbar Montazer Haghghi**, and Dimitar P. Mishev, “An Ordered Entry Queueing System” Proceeding of the 29th International Summer School of Applications of Mathematics in Engineering and Economics (AMEE), June 9 – 14, 2003, Sozopol, Bulgaria.
- (43) S. Durham, **Aliakbar Montazer Haghghi** and R. Trueblood, *A Queueing Network for a Two Processor System with Task-Split and Feedback*, [Proceedings of the Twentieth Annual Pittsburgh Conference on Modeling and Simulation, Modeling and Simulation](#), Vol. 20, part 3, Computer Architecture and Network, pp. 1189-1193, 1989.

• **Abstracts Published**

- (44) **Aliakbar Montazer Haghghi**, Single-Processor, Exponential General Bulk Processing $[M/M(k, K)/1]$ and Splitting Queueing System: A Mathematical Model for a Personnel Hiring Process. Abstracts, AMS Annual Joint Meeting, New Orleans, Louisiana, Special Session (Meeting # 1067): Math modeling in Environment and Economics I (# 49 A). January 6 – 9, 2011.
- (45) **Aliakbar Montazer Haghghi**, Dimitar Mishev, Stefanka Chukova, A Single-Server Poisson Queueing System with Splitting and Delayed Batched Feedback (Case $k = N = 1$). The Joint Meeting of AMS, SIAM and MAA, Washington, DC, January 5-8, 2009. 1046-60-833.
- (46) **Aliakbar Montazer Haghghi**, Mohammed Shayib, Estimating reliability and Comparing its Estimators, 301761, JSM, August 3 – 7, 2008, Denver, Colorado.
- (47) **Aliakbar Montazer Haghghi**, Dimitar Mishev, An Infinite-Buffers Tandem Queueing System. 2008 SIAM Annual meeting, July 7-11, 2008. CP17.
- (48) **Aliakbar Montazer Haghghi**, Mohammed Shayib, Preferred Distribution for Estimating

$P(Y < X)$, JSM, July 29 – August 2, 2007, Salt Lake City, Utah.

- (48) **Aliakbar Montazer Haghghi**, Dimitar Mishev, Stefanka Chukova, Delayed-Service $M/M/c$ Queuing System. The Joint Meeting of AMS, SIAM and MAA, New Orleans, LA, January 5-8, 2007.
- (49) **Aliakbar Montazer Haghghi**, Roozbeh Vakil, and Johnson Wetiba, extended abstract of the manuscripts of: “An Alternative Method of Teaching” in the proceedings of the 1st International Scientifically-Practical Conference of the Informatization of Society. October 2004, Eurasian National University, Kazakhstan.
- (50) **Aliakbar Montazer Haghghi, Dimitar Mishev**, abstract of the manuscripts of: “Analysis of a Conveyor Model Viewed as a Priority Queueing System with Finite Buffer” in the AMS VI Joint International Meeting, May 13 – 15, 2004, Houston, TX.
- (51) **Aliakbar Montazer Haghghi, Dimitar Mishev**, abstract of the manuscripts of: “An Ordered-Entry Queueing System”, Proceedings of the 29th International Summer School, [Application of Mathematics in Engineering and Economics](#), June 2003, Sozopol, Bulgaria.
- (52) **Aliakbar Montazer Haghghi**, abstract of the manuscripts of: "*An Alternative Method of Teaching: Reverse-Traditional/Hands-On: A Success*". American Mathematical Society, Vol. 22, No. 1, Issue 123, p. 200, # 962-E1-345, ISBN # 0192-5857, 2001.
- (53) **Aliakbar Montazer-Haghghi**, Sri Gopal Mohanty, and Steven D. Durham, abstract of the manuscripts of: “*Historical Up-and-Down Design in Quantile Estimation*”. Final Program and Abstracts, 2001 SIAM (Society for Industrial and Applied Mathematics) Annual Meeting, # CP4, pp. 128-129, July 9 - 13, 2001.
- (54) **A. Montazer Haghghi**, *A Transient Up-and-Down Design: A Parameter Estimation*. Bulletin of the South Carolina Academy of Science, Vol. LX, p. 81, 1998.
- (55) **A. Montazer Haghghi**, *Calculus Excellence workshop Report: A Case Study*. Bulletin of the South Carolina Academy of Science, Vol. LIVII, p. 125, 1996.
- (56) **A. Montazer Haghghi**, *Time Dependence of A Multi-Server Queueing System with Balking and Reneging*. Bulletin of the South Carolina Academy of Science, Vol. LI, p. 65, 1989.
- (57) **A. Montazer-Haghghi**, *A Conveyor Problem with Balking and Reneging*. Bulletin of the South Carolina Academy of Science, Vol. XLX, p. 110, 1988.
- (58) **A. Montazer Haghghi**, *Batch-Service Multi-Server Markovian Queueing System with Balking and Reneging*. Bulletin of the South Carolina Academy of Science, Vol. XLIX, p. 85, 1987.

8. Refereed/Reviewed Books, Grant Proposals, and Research Papers

- **Grant Proposals Review**

- (1) 05/xx/2011 Title for NSF (National Science Foundation)

- **Book Reviews**

- (2) 03/16/2013 *Stochastic Processes* (3) 11/06/2013 *Fuzzy differential equations and applications*

For John Wiley & Sons, Inc.

For Taylor & Francis / CRC Press

- (4) 11/14/2013 *Learning Operations Research through Puzzles and Games*

For John Wiley & Sons, Inc.

- **Papers reviews**

- **Journal of Data Analysis and Operations Research of Bahrain (JDAOR), Natural Science Publishing**

- (4) 12/21/2013 *Effective Minimal Spanning tree using Fussy C-means based Kernel Function in Data Analyzing* (5) 05/17/2013 *Local Depth for Functional Data*

- (6) 05/01/2013 *An iterative robust method for labelling continuous data*

- **Journal of Statistical Research of Iran (JRSI)**

- (7) 04/02/2012 *Limit Analysis of Oscillating Batch Arrival $M^{[X]}/G/1$ Systems with Finite Capacity: EMC Approach*

- **Journal of Statistical Computation and Simulation, Taylor & Francis**

- (8) 01/03/2012 *Comparative study of Bhattacharyya and Kshirsagar bounds in Burr XII and Burr III distributions*

- **Journal of Statistics and Economic (IJSE)**

- (9) 05/14/2010 *A Class of Separate-Type Estimators for Population Mean in Stratified Sampling Using Known Parameters under Non-Response*

- **Referee/reviewer for Elsevier**

- (10) 10/30/2012 *Modeling and Analysis of Markovian Queueing Systems under Delay in Service Process: A Gas Station Case Study.* **Applied Mathematical Modeling**

- (11) 04/09/2014 *Two-dimensional model of nanoparticle deposition in the alveolar ducts of the human lung.* [European Journal of Mechanics - B/Fluids](#)
- Referee/reviewer for NTCM (National Council for Teachers of Mathematics) **Journal of Research in Mathematics Education** (jrme@ntcm.org)
- (12) 11/18/2008 *The Mathematical Reasoning Requirements in Upper Secondary Level Assessments*
- Referee/reviewer for JBS-SI (Special Issue)
- (13) 09/11/2013 *The Mathematical Reasoning Requirements in Upper Secondary Level Assessments*
- [International Journal of Production Research \(IJPR\)](#): Special Issue on Modeling and Analysis of Outsourcing Decisions in Global Supply Chains
- (14) 10/11/2008 *Outsourcing with Quality Competition: Insights from a Three Stage Game Theoretic Model*
- Referee/reviewer for the [International Journal of Engineering \(IJE\)](#), <http://www.ije.ir>
- | | | | |
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| (15) 01/12/2008 | <i>Loss And Delay Queue With State Dependent Rates Under No Passing Restriction And Discouragement</i> | (16) 03/04/2008 | <i>Analytical Study of Effect of Disorder on Dispersion in Steady Inertial Flows in Porous effect</i> |
|-----------------|--|-----------------|---|
- Referee/reviewer for [Applications of Mathematics in Engineering and Economics](#)
- | | | |
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| (17) 08/12/ 2008 | <i>Oscillation Criteria in First Order Neutral Delay Impulsive Differential Equations with Constant Coefficients</i> | 34th International Conference, Sozopol (Bulgaria), 8–14 June 2008, Proceeding, published in American Institute of Physics |
| (18) 08/17/2007 | <i>Spaces of Analytic Functions Having Representations by Series of Hermite Polynomials</i> | |
| (19) 08/17/2007 | <i>Oscillations of Some Equations and Inequalities of Second Order and Applications in Mechanics</i> | 33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007, Proceeding, published in American Institute of Physics |
- Referee/reviewer for [Physica A: Statistical Mechanics and Its Applications](#) (PHYSA by Elsevier, Main Editor: H. Stanley)
- | | | | |
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| (20) 07/24/2007 | <i>Analysis of Random Walks with an Absorbing Barrier and Chemical Rule</i> | (21) 12/04/2006 | <i>Product form solution for exponential G-networks with dependent service and completion of service of killed customers</i> |
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- Referee/reviewer for [Applied Mathematical Modeling \(AMM 4526\), Wales, U.K.](#)
- (22) 08/15/2006 *Analyzing multiserver bulk-service finite-buffer queue*
- Referee/reviewer for **The special issue of the OMEGA on Logistics.**
- (23) 06/22/2006 *Activity-based costing and reverse logistics management: an environmental protection perspective*
- Referee/reviewer for **The 6th ASME-JSME**
- (24) 10/08/2002 *A Method for reducing the errors in Fictitious Domain Methods Applied to Heat Transfer Problems* **Thermal Engineering joint Conference, March 16-20, 2003, Hawaii**
- Referee/reviewer for **Conference of the Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences, Bulgaria, 2009, 2011, 2013. Proceeding, published in American Institute of Physics**
- (25) 08/27/2009 *Endogenous timing in a differentiated duopoly* (26) 08/27/2009 *Capacity choice under demand uncertainty*
- (27) 09/09/2011 *Hierarchical Classification and Functional Data Analysis Techniques* (28) 09/22/2013 *Short-Time particulate Matter PM10 Forecasts using Predictive modeling Techniques*
- Referee/reviewer for [The International Journal of Computers & Operations Research \(COR\)](#). **The following are selected recent reviews**
- (29) 01/04/1993 *Performance Analysis of a Two-Priority Queueing System with Group Services* (30) 05/17/1993 *A Queue with Instantaneous Trinomial Feedback Process*
- (31) 05/31/1994 *M/M/φ(·) Time Sharing Queue With Balking And Nopassing* (32) 01/02/1996 *A General Class of Control Operating Policy for an MIMI] Queue with General Startup Time*
- (33) 04/15/1996 *Workload and Waiting Time in a Fixed-Time Loop System* (34) 05/06/1996 *Finite Capacity Markovian Queue with Balking and Reneging*
- (35) 01/20/1997 *A Note on Varying the Number of States in the Arrival Process of MRIGIII Queue* (36) 01/22/1997 *Average Waiting Time of Customers in an MIDIK Queue with Nonpreemptive Priorities*
- (37) 07/18/1997 *On a Batch Arrival Poisson Queue with a Random Setup Time and a Vacation Period* (38) 12/14/1998 *The truncated hyperexponential service queues: M/H_k/1/N with balking and reneging*
- (39) 01/11/1999 *A Concurrent Processing Framework for the Set Partitioning Problem* (40) 07/18/1999 *A Recursive Algorithm for Generating the Transition Matrices of Multistation Multiserver Exponential Reliable Production Lines*

- (41) 03/28/2001 *Maximum Number of On-Time Jobs on Parallel Identical Machines*
- (44) 09/07/2001 *Using Minimal Cuts To Study The System Capacity For A Stochastic-Flow Network In Two-Commodity Case*
- (45) 04/09/2002 *Using Minimal Cuts To Study The System Capacity For A Stochastic-Flow Network In Two-Commodity Case*
- (47) 12/19/2002 *Processor shared service with queue dependent processor*
- Referee/reviewer for AMS (American Mathematical Society) [Mathematical Review](#) (MR, 416 Fourth St., P.O. Box 8604, Ann Arbor, MI 48107-8604, USA)
- (48) 11/28/2006 *Product form solution for exponential G-networks with dependent service and completion of service of killed customers*
- (50) 06/26/2007 *Heavy Traffic Limits Via Brownian Embeddings*
- (52) 09/10/2007 *Multiple eigenvalues in spectral analysis for solving QBD processes.*
- (54) 03/27/2008 *Structural results on a batch acceptance problem for capacitated queues*
- (56) 08/14/2008 *Strong stability of queues with multiple vacation of the server.*
- (58) 08/20/2009 *The effects of the availability of waiting-time information on a balking queue.*
- (60) 07/09/2010 *A fluid model for a relay node in an ad hoc network: the case of*
- (42) 08/13/2001 *Performance analysis and buffer allocation in some open assembly systems*
- (44) 11/14/2001 *Performance analysis and buffer allocation in some open assembly systems*
- (46) 08/07/2002 *Making the Wait More Comfortable to Reduce Customer Reneging in Waiting Lines*
- (49) 05/07/2007 *Improved algorithm for rate event simulation with heavy tails*
- (51) 08/13/2007 *The discrete-time GI/Geo/1 queue with working vacations and vacation interruption.*
- (53) 02/03/2008 *A fluid system with coupled input and output, and its application to bottlenecks in ad hoc networks*
- (55) 05/27/2008 *Exact waiting time and queue size distributions for equilibrium M/G/1 queues with Pareto service*
- (57) 05/05/2009 *Lattice path approach to busy period density of queueing system $C_2/C_2/1$.*
- (59) 10/02/2009 *On the loss process in a batch arrival queue*
- (61) 10/09/2010 *Sensitivity to service time in infinite-server system*

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| (62) | 06/18/2011 | <i>heavy-tailed input
Some Results for the
actual waiting time in
batch arrival queueing
systems</i> | (63) | 08/16/2011 | <i>Large number of queues in
tandem: scaling properties
under back-pressure
algorithm</i> |
| (64) | 01/03/2012 | <i>Dynamic Pricing and
Scheduling in a Multi-
class Single-server
Queueing System</i> | (65) | 03/06/2012 | <i>Queueing systems with
synergistic servers</i> |
| (66) | 06/20/2012 | <i>Statistical analysis of
single-server loss
queueing systems</i> | (67) | 12/02/2012 | <i>Time-dependent analysis for
a queue modeled by an
infinite system of partial
differential equations</i> |
| (68) | 02/02/2013 | <i>Asymptotic Irrelevance
of Initial Conditions for
Skorohod Reflection
Mapping on the
Nonnegative Orthant</i> | (69) | 07/08/2013 | <i>Repair systems with
exchangeable items and the
longest queue mechanism</i> |
| (70) | 09/30/2013 | <i>Analysis of the Finite-
Source Multiclass
Priority Queue with an
Unreliable Server and
Setup Time</i> | (71) | 12/21/2013 | <i>Markov chains competing for
transitions: application to
large-scale distributed
systems</i> |
| (72) | 03/14/2014 | <i>Closed queueing
networks under
congestion:
nonbottleneck
independence and
bottleneck convergence</i> | (73) | 03/18/2014 | <i>The Multi-class FIFO M/G/I
queue with exponential
working vacations</i> |
| (74) | 03/26/2014 | <i>Statistical analysis with
Little's law</i> | (75) | 06/11/2014 | <i>The $M^x/G/I$ Queue with
Unreliable Server, Delayed
Repairs, and Bernoulli
Vacation Schedule under T-
Policy</i> |

9. Research Guidance/Advisor

I have guided several Master Degree theses in mathematics, statistics, and probability. I have also guided several students' undergraduate research. I have also been member of some graduate thesis defense committees. Here are some examples:

- (1) Member of **Ph. D. Advisory Committee** of Mr. **Richard Gnahoua**. Texas Tech University, Lubbock, Texas, Applications of Queueing Theory to Separated Flows past the Streamlines, 2010 –
- (2) Pakistan.
- (3) Member of **Ph. D. Advisory Committee** of Mr. **Jian Zhang**. Prairie View A&M University, Prairie View, Texas. Digital Networked Control of Non-smooth Systems, 2011 – 2013.
- (4) Member of **Ph. D. Advisory Committee** of Mr. **Jian Zhang**. Prairie View A&M University,

- Prairie View, Texas, Design Modeling and Digital Control of Non-smooth Systems, 2011 – 2012.
- (5) Member of **Ph. D. Dissertation Examiner Committee** of Mr. **Sri Somnath Maiti**, Indian Institute of Technology, Kharagpur, 721 302, India, 2011 – 2012.
 - (6) Mr. Zarrini's Ph. D. **Dissertation Examiner/Evaluator**. 2010.
 - (7) **MS Advisor**, Mrs. **Marcia Brown**, Prairie View A&M University, Prairie View, Texas. Cancer Cell Treatment: A Biological Experimental Design, 2012 - 2013.
 - (8) **MS Advisor**, Mr. **Kassoum Traore**, Prairie View A&M University, Prairie View, Texas. Processing Time of An Application in a Stochastic Hiring Model, 2012 - 2013.
 - (9) **MS Advisor**, Mr. **Adrissa Diarra**, Prairie View A&M University, Prairie View, Texas. An Up-and-Down Biased Coin Design, 2012- 2013.
 - (10) Member of **MS Advisory Committee** of Mr. **Kareem Babajide**. Prairie View A&M University, Prairie View, Texas, Modeling and Design of “indoor situational awareness system, 2011 – 2012
 - (11) **MS Co-Advisor** for Courtney Reyes, mathematics graduate student at Prairie View A&M University. Presentation title: Queueing Systems. Completed her MS degree in Mathematics in May 2012.
 - (12) **MS Advisor** for Jae-Wan Park, graduate student at Prairie View A&M University. Thesis title: The Relationship between Field Saturated Hydraulic Conductivity and Percolation. Completed his MS degree in Mathematics in August 2009.
 - (13) **MS Co-Advisor** for **Dana Debeau**, graduate student at Prairie View A&M University, 2005-2007.
 - (14) *Efficiency of the "Working Together Project*, **Anne Rosette Bouele**. Presented at the Independent Colleges and Universities of South Carolina (ICUSC) Undergraduate Research Symposium “Show Case 99”, The Roger Milliken Research and Customer Center, Spartanburg, SC, February 3, 1999.
 - (15) *Relevance of the SAT in College Academic Performance: A Case Study*, **Latoya Brown**. Presented at the Independent Colleges and Universities of South Carolina (ICUSC) Undergraduate Research Symposium “Show Case 97”, Furman University, Greenville, SC, November 19, 1997.
 - (16) *Impact of the Million Man March on Black Owned Businesses: A Case Study*, **Donovin Gleaton**. Presented at the Independent Colleges and Universities of South Carolina (ICUSC) Undergraduate Research Symposium “Show Case 97”, Furman University, Greenville, SC, November 19, 1997.

10. Professional Memberships

• Current Professional Memberships

- (1) [The Society for Industrial and Applied Mathematics](#) (SIAM), Lifetime Member since 2005
- (2) [American Mathematical Society](#) (AMS), Lifetime Member since 2006
- (3) [International Society of Difference Equations](#), Member since July 2007
- (4) South Carolina Academy of Science (SCAS), 1985 – Present

• Previous Professional Memberships

- (5) National Council of Teachers of Mathematics (NCTM), 2006 – 2009

- (6) Council on Undergraduate Research, January 27, 1997 – 2009
- (7) Association for Supervision and Curriculum Development (ASCD), 2000 - 2004
- (8) Texas Association of College Teachers (TACT), 2003 – 2004
- (9) National Council of Teachers of Mathematics (NCTM), 1998 – 2004
- (10) The Scientific Research Society (Sigma XI), 1996 - 1999
- (11) Mathematical Association of America (MAA)
- (12) Operation Research of America (ORSA)
- (13) Iranian Mathematical Society (IMS)
- (14) Institute of Mathematical Statistics (IMS)

11. Teaching Experience

I have taught at both undergraduate and graduate levels leading to bachelor and master degrees in traditional format, and Ph. D. degree level by distance. I have taught vast variety of courses in mathematics, probability, and statistics since 1968 in Iran, Canada and the United States of America, such as:

- at undergraduate level: College Algebra, trigonometry, Calculus sequence, Business Statistics, Probability and Statistics, Mathematical Statistics, Linear Algebra, Modern Algebra, Differential Equations, Vector Calculus; and
- at graduate level: Set Theory, Analysis (Real and Complex), Measure Theory, Mathematical Statistics, Theory of Inference, Stochastic Processes, Probability and Queueing Theory.

12. Workshop Participations

- (1) Participated in the **Quality Education for Minorities (QEM) Network**, Proposal Development Workshop for the **National Science Foundation (NSF)'s Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)**, Four Points by Sheraton BWI Airport Hotel • 7032 Elm Road • Baltimore, MD 21240, September 20-21, 2013
- (2) Participated in the **Quality Education for Minorities (QEM) Network**, Proposal Development Workshop for the **Educational Research**, Four Points by Sheraton BWI Airport Hotel • 7032 Elm Road • Baltimore, MD 21240, August 21-22, 2013
- (3) Participated in the **Quality Education for Minorities (QEM) Network**, Proposal Development Workshop for the **National Science Foundation (NSF)'s Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)**, Four Points by Sheraton BWI Airport Hotel • 7032 Elm Road • Baltimore, MD 21240, October 21-22, 2011
- (4) Participated in the **Quality Education for Minorities (QEM) Network, Robert Noyce Teacher Scholarship Program Workshop**, January 29 – 30, 2010, Palomar Hotel, Washington, DC
- (5) **Workshop for Department Chairs and Department Leaders**, American Mathematical Society, January 12, 2010, Moscone Center West, San Francisco, CA
- (6) **Workshop for Department Chairs and Department Leaders**, American Mathematical Society, January 4, 2009, Marriot Wardman Park Hotel, Washington, DC
- (7) **Learning Community Two-Day Institute, May 21 – 22, 2008**. Prairie View A&M University, Northwest Campus, Houston, Texas
- (8) **Workshop for Department Chairs and Leaders**, American Mathematical Society, January

- 5, 2008, Marriot Hotel & Marina, San Diego, CA
- (9) **Workshop for Department Chairs and Leaders**, American Mathematical Society, January 4, 2007, Marriot Hotel, New Orleans, LA
 - (10) **Texas Association of Academic Administrators in the Mathematical Sciences (TAAAMS)**, October 6 - , 2006, Baylor University, Waco, Texas
 - (11) Attended in the **Course Embedded Assessment Workshop**, September 1, 2006, conducted by Dr. Larry Kelley of Auburn University, Memorial Center Ballroom, Prairie View A&M University, Prairie View, Texas, sponsored by Center for Teaching Excellence, and received a certificate
 - (12) Attended in the **Building Bridges Between Academic Affairs and Student Affairs Workshop**, April 25, 2006, sponsored by Center for Teaching Excellence, Prairie View A&M University, Prairie View, Texas, and received a certificate
 - (13) Attended in the **Course Embedded Assessment Workshop**, February 9, 2006, conducted by Dr. Larry Kelley of Auburn University, Memorial Center Ballroom, Prairie View A&M University, Prairie View, Texas, sponsored by Center for Teaching Excellence, Title III Program, and received a certificate
 - (14) Participated in the **Workshop for Department Chairs and Department Leaders**, January 11, 2006, San Antonio, Texas
 - (15) Participated in the **Quality Education for Minorities (QEM) Network, Teacher Continuum Information and Technical Assistance Workshop**, May 6, 2005, Marriott Hotel, Washington, DC
 - (16) Participated in the “**MathWorks Tools for Life Science**” seminar/workshop sponsored by Mathworks, Inc., November 13, 2003, Baylor College of Medicine, Houston, TX
 - (17) Participated in the **Department Heads/Division Heads Leadership Workshop**, sponsored by Prairie View A&M University, Dr. Gloria Scott, member of the Board of the Loews Corporation, a Fortune 500 Company based in New York, conducting, August 19, 2003, Prairie View, TX
 - (18) Participated in a 2-day workshop on **HBCU-UP Indicator database management** sponsored by the Systemic Research Inc., May 16 –17, 2002, Westin Hotel, Atlanta, GA
 - (19) Successfully completed a **Teaching and Learning on the Web** training/workshop, February 11, 2002, Benedict College, Columbia, SC
 - (20) Participated in the **Proposal Development Workshop** conducted by QEM (Quality Education for Minorities) at Southern University in Baton Rouge, Louisiana, October 6 –7, 2000. Also participated in a follow-up session on March 31, 2001, in Washington, DC. Also participated in another follow-up session on April 20, 2002, in Baltimore, MD
 - (21) Participated in the **Mathematics Workshop on Correlating General Education and PRAXIS I Skills** (Bank of America Gift/Teacher Quality Grant). Benedict College, Columbia, South Carolina, November 28, 2000
 - (22) Participated in the **Annual Fall Workshop, Embracing the Future: Using Technology**. Sponsored by the Center for Network Resources and Training, South Carolina State University at Benedict College, Columbia, SC, October 22 – 23, 1997
 - (23) Participated in the workshop on training **Benedict Assessing, Developing, and Evaluating Professional Teaching (ADEPT)**. Benedict College, Columbia, South Carolina, August 5-6, 1997. Received an achievement award for successfully completing the training workshop on Benedict’s Evaluation and Assistance Program for student teachers
 - (24) Participated in the **ACT Workshop: Improving Students' Transition to College**. Columbia, SC, December 5, 1996. Attendant
 - (25) Participated in the **Evaluating College Faculty Workshop** conducted by Kansas State

13. Course/Degree Developed and Workshop Conducted

- (1) New graduate degree program, **MS in Mathematical Science**, in the department of mathematics at Prairie View A&M University. This is an *eighteen-month master program with three focuses: (1) Applied Statistics, (2) Mathematical Biology, and (3) Space Engineering Science*. Pending for approval. Expected implementation date, Spring 2015.
- (2) **MBMT Degree**, a combined five-year program starting from undergraduate through a Bachelor degree leading to Master's in Mathematics Teaching degree program, in the department of mathematics at Prairie View A&M University. Pending for approval. Expected implementation date, Spring 2015.
- (3) **Developed** a course called Advance Mathematics for Engineers. This is a 5semester credit hour course to be taught in one semester. It is a combination of topics in advanced mathematics, probability, statistics and stochastic processes. Drs. Jian-ao Lian and Dimitar P. Michev are collaborated in this effort. The course began being offered in the fall 2008 for engineer majors for the first time. The contents are published as a book by Nova Publishers, Inc.
- (4) Conduct a workshop on the “**Reverse Traditional/Hands-on (RTHO) Method of Teaching Statistics**” at the Thirteenth National HBCU Faculty Development Symposium, sponsored by the Texas Southern University and Prairie View A&M University, Double Tree Hotel Downtown, Houston, Texas, October 20, 2006. Drs. Wetiba and Shayib were co-conductors.
- (5) Participated in **developing, approval and implementation** of contemporary College Algebra, **Math 1103**, for students not needing calculus sequence courses at Prairie View A&M University, 2003 – 2005.
- (6) **Developed** a complete course material, version 9, including syllabi, sample exam, exam and solutions for a doctorate level statistics course (**MIS 730**) for Kennedy-Western University (a distance learning institution) located in California, November 2004.
- (7) **Developed** a complete course material for an online graduate level course Topics in Applied Stochastic Processes (**Math 5733**) for Prairie View A&M University (a distance learning course), January 2003.
- (8) **Developed** a complete course material including syllabi, sample exam, exam and solutions for an undergraduate level quality control course (**QC 135**) for Kennedy-Western University (a distance learning institution) located in California, March 2002.
- (9) **Developed** a complete course material including syllabi, sample exam, exam and solutions for a doctorate level statistics course (**MIS 730**) for Kennedy-Western University (a distance learning institution) located in California, November 2001.
- (10) **Developed** a complete course material including syllabi, sample exam, exam and solutions for an undergraduate/senior level statistics course (**HA 410**) for Kennedy-Western University (a distance learning institution) located in California, September 2001.
- (11) The South Carolina Academy of Science Junior Academy (Midlands MESAS) **Fall Workshop**, Benedict College, October 24, 1998. Conducted two workshops on statistics.
- (12) **Revised the Program of Studies** in Mathematics and Mathematics Education at Benedict College in accordance with the South Carolina Framework and the College adapted it in 1996. It was implemented in the spring semester of 1997.
- (13) A colleague of mine (Late Professor Dale Brekke) and I **organized and co-chaired a one-day workshop** (November 30, 1993) to determine what mathematics our undergraduates in

various disciplines need enter to the job market after they graduate. The participants consisted of faculty and representatives of business, government and industry. The workshop was well received. As a result general math courses were developed and implemented as they are today.

- (14) **Conducting Calculus Excellence Workshop** each semester from fall of 1992 to Spring 2002 for Calculus I course at Benedict College. This workshop is part of a five-year NSF grant to the state of South Carolina that is now in its second five-year period. Benedict College is one of the host-institutions. The purpose is to train minority undergraduate students for graduate programs in mathematics, science, and engineering. I have tried different methods of conducting these workshops in order to find the best custom-made method for Benedict College students and students of similar institutions. So far the results have been astonishingly good.

14. Professional Presentations

- (1) Stochastic Three-stage Hiring Model as a Tandem Queueing Process with Bulk Arrivals and Erlang Phase-Type Selection,

$$M^X / M^{(k,K)} / 1 - M^Y / E_r / 1 - \infty$$
 Prairie View A&M University, Colloquim, September 21, 2012.
- (2) Stochastic Three-stage Hiring Model as a Tandem Queueing Process with Bulk Arrivals and Erlang Phase-Type Selection, Texas A&M University-College Station, Mini Symposium, August 4, 2012.
- (3) Single-Processor, Exponential General Bulk Processing $[M/M(k, K)/1]$ and Splitting Queueing System: A Mathematical Model for a Personnel Hiring Process. AMS Annual Joint Meeting, New Orleans, Louisiana, Special Session (Meeting # 1067): Math modeling in Environment and Economics I (# 49 A). January 6 – 9, 2011.
- (4) Department of Mathematics, Prairie View A&M University, Colloquium, Poisson Arrival, Single-processor, Exponential General Bulk Processing $[M/M(a,b)/1]$ and Splitting Queueing System, A mathematical Modeling for a Personnel Hiring Process, December 4, 2009.
- (5) The Joint Meeting of AMS, SIAM and MAA, A Single-server Poisson Queueing System with Splitting and Delayed Batched Feedback (Case $k = N = 1$). Washington, DC, January 3-9, 2009.
- (6) Applications of Mathematics in Engineering and Economics, 33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007.
- (7) The Joint Meeting of AMS, SIAM and MAA, New Orleans, LA, January 5-8, 2007, Delayed-Service $M/M/c$ Queueing System. Scheduled session number 1023-60-239.
- (8) Texas Association of Academic Administrators in the Mathematical Science, October 6-7, 2006, Waco, Texas.
- (9) SIAM Parallel Processing for Scientific Computing, San Francisco, CA, 2/22 – 24, 2006. Chaired the session on Scheduling, CP14, and presented paper entitled Parallel Priority Queueing System with Balking and Reneging.
- (10) The Joint Meeting of AMS, SIAM and MAA, San Antonio, TX, January 12-15, 2006, Busy Period of a Delayed-Service $M/M/c$ Queueing System.
- (11) Mathematics Department Colloquium, April 4, 2005, A Queueing System with Delayed-Service, Prairie View A&M University, Prairie View, TX.
- (12) 5th Annual Chancellor’s Invitational Conference for the Academy for Educator

- Development, June 24 – 26, 2004, Houston, TX.
- (13) 30th Jubilee International Conference on Application of Mathematics in Engineering and Economics, June 7 – 12, 2004, Sozopol, Bulgaria.
 - (14) AMS VI Joint International Meeting, May 13 – 15, 2004, Houston, TX.
 - (15) The Joint Meeting of AMS and MAA, San Diego, California, January 6-9, 2002.
 - (16) The Annual Meeting of the Society for Industrial and Applied Mathematics (SIAM), San Diego, CA, July 9 - 13, 2001.
 - (17) The Joint Meeting of AMS and MAA, New Orleans, Louisiana, January 9-12, 2001.
 - (18) The Annual Meeting of the South Carolina Academy of Science. Lander University, Greenwood, SC, April 30, 1999.
 - (19) Living the Questions, The University of South Carolina (USC) teacher-Researcher Conference. USC College of Education, September 26, 1998.
 - (20) Annual Meeting of the SCAS. Clemson University, Clemson, SC, March 20, 1998.
 - (21) The International Institute for General Systems Studies, The Second Workshop. Southwest Texas State University, San Marcos, TX, January 9 - 11, 1997
 - (22) Annual Meeting of the SCAS. Charleston, SC, March 29, 1996.
 - (23) International Conference on Applied Probability and Time Series Analysis, Athens, Greece, March 22-26, 1995.
 - (24) 14th International Association for Mathematics and Computers in Simulation (IMACS) World Conference on Computation and Applied Mathematics, Georgia Institute of Technology, Atlanta, GA, July 11 - 15, 1994.
 - (25) The Annual Meeting of the Society for Industrial and Applied Mathematics (SIAM), Philadelphia, Pennsylvania, July 12-16, 1993.
 - (26) The Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Columbia, S. C., 1993.
 - (27) The 10th Annual Joint Summer Research Conference in the Mathematical Sciences. Sponsored jointly by American Mathematical Society, Institute of Mathematical Statistics, and Society for Industrial and Applied Mathematics. Mount Holyoke College, South Hadley, Massachusetts, July 18-24, 1992.
 - (28) The twenty-fifth Annual Winter Simulation Conference (WSC), Arlington, VA, December 13-16, 1992.
 - (29) The Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Coastal Carolina College, Conway, S. C., 1992.
 - (30) The Second International Conference on Applied Mathematics and Industry (ICIAM), Washington, DC, 1991.
 - (31) The Annual meeting of the Statistical Society of Canada (SSC), University of Toronto, Toronto, Ontario, Canada, 1991.
 - (32) The Annual Meeting of the South Carolina Academy of Science, University of South Carolina at, Spartanburg, SC, 1991.
 - (33) Twentieth Annual Pittsburgh conference on Modeling and Simulation, University of Pittsburgh, Pittsburgh, Pennsylvania, 1989.
 - (34) Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Columbia, SC, 1989.
 - (35) The Annual Meeting of the South Carolina Academy of Science, South Carolina State University, Orangeburg, SC, 1988.
 - (36) The 60th Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Columbia, South Carolina, 1987.
 - (37) Eighth Conference on Stochastic Processes and Their Applications. Canberra, Australia,

1978.

15. Professional Conference Participation as a Guest Speaker, Keynote Speaker, Chair, Presider, Moderator, or Exhibitor

- (1) **Guest Speaker** for the Eighteenth Annual Mathematics Conference of Bangladesh Mathematics Society, Dhaka, Bangladesh, December 2013.
- (2) **Guest Speaker** for the Quality Education for Minorities (QEM) Network: A Workshop on the Integration of Mathematics into Lower Division Science Courses, Memphis, TN, October 1-2, 2010.
- (3) **Session Chair** for CP17, 2008 SIAM Annual Meeting, San Diego, California, July 10, 2008.
- (4) **Keynote Speaker**, Applications of Mathematics in Engineering and Economics, 33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007.
- (5) **Moderator** for a one-hour session, 1C STH, Group I, at the Thirteenth National HBCU Faculty Development Symposium, sponsored by the Texas Southern University and Prairie View A&M University, Double Tree Hotel Downtown, Houston, Texas, October 20, 2006.
- (6) SIAM Parallel Processing for Scientific Computing, San Francisco, CA, 2/22 – 24, 2006. **Chaired the Session** on Scheduling, CP14.
- (7) The Annual Meeting of the Society for Industrial and Applied Mathematics (SIAM), Atlanta, GA, May 11 - 16, 1999. **Exhibitor**.
- (8) The 77th Annual Meeting of the National Council of Teachers of Mathematics (NCTM). San Francisco, California, April 22 - 24, 1999. **Presider**.
- (8) Shaping the Future of Undergraduate Science, Mathematics, Engineering and Technology Education (A Regional Conference of the National Science Foundation), Columbia, SC, February 20, 1998. **Invited Exhibitor**.
- (9) The Fifth Conference on the Teaching of Mathematics. Sponsored by John Wiley & Sons, The National Science Foundation and The Calculus Consortium Based at Harvard University. Baltimore, MD, June 21 and 22, 1996. **Chair of a Session and Presenter**.
- (10) Department of Mathematics, Kent State University, Kent, Ohio, 1686. Guest Speaker.
- (11) Annual Conferences of the Iranian Mathematical Society 1969-1972, 1976-1980. **Chair of a Session and Presenters**.

16. Professional Conference Participation

Attended at least one local, regional, national and/or international professional conference per year since 1967.

17. Special Trainings

- (1) **Southern Association of Colleges and Universities (SACS) Annual Meeting**, December 7 – 12, 2007, New Orleans, Louisiana.
- (2) **Southern Association of Colleges and Universities (SACS) Annual Meeting**, December 9 – 12, 2006, Orlando, Florida.
- (3) Attended the **Recruiting and Retaining a Diverse Workforce** training Workshop, April 6, 2006, conducted by Cathy Fyock, A&M System Building, Rooms 1105 A-D. Received a certificate for completing the 7-hours course, signed by Dr. Joni E. Baker, Manager,

- Equal Opportunity.
- (4) Participated in the **Leading Effectively in a Diverse Environment Meeting** at the Collaboration for the Advancement of College Teaching and Learning Conference, 10/18 - 19/05, Bloomington, Minnesota.
 - (5) Participated and received a certificate for **Dealing Effective with Unacceptable Employee Behavior**, Professional Development and Lifelong Learning, Inc., 10/7/05.
 - (6) Participated and received a certificate for **Raising Awareness of Record Retention, sponsored by** Texas A&M University System Office of Policy Implementation and Compliance, at Prairie View A&M University, April 14, 2005, Prairie View, TX.
 - (7) Academy for **Educator Development Conference**, Houston, TX, April 28, 2004.
 - (8) Participated in the **Training Program for Department Heads**, sponsored by Prairie View A&M University, August 19, 2003, Prairie View, TX.
 - (9) Participated in the **Training Program for Web Advisement and Registration**, sponsored by Prairie View A&M University, June 26, 2003, Prairie View, TX.
 - (10) Participated in the **Contemporary College Algebra Workshop**, May 29 – 31, 2003, Cy-Fair College, Houston, TX.
 - (11) Participated in the **Supervisory/Management Training** conducted at Prairie View A&M University, February 26, 2003, Prairie View, TX.
 - (12) Completed a short course on **WebCT**, October 28, 2002.
 - (13) Participated in a **Short Course: Mathematical Software - Matlab, Mathematica, and Maple** - Sunday, July 8, 2001, 9:00 am – 5:00 pm, organized by Cleve Moler, Chairman and Chief Scientist and original author of Matlab, in San Diego, CA.
 - (14) Successfully completed the requirements of a **Modeling Dynamic Systems with Simulink**, a two-day **training workshop** conducted by the MathWroks Inc., Washington, DC, February 28 - March 1, 2001. A certificate was received.
 - (15) Participated in a two-days **College Algebra Workshop** sponsored by the Consortium for Mathematics and its Applications, February 24 – 24, 2001, Benedict College, Columbia, SC.
 - (16) **Winter Simulation Conference (WSC)**, Atlanta, GA, December 7 - 10, 1997. Training Sessions Attendee.

18. Annual Performance Evaluation

My annual performances, consisting of teaching, scholarly activities, and professional and community services, have been evaluated between excellent and outstanding during my tenure at Benedict College. In particular, except for the year 2000, for the years 1994 through April of 2002 I have received the rank of "outstanding" (the highest possible, 5 on a scale of 5) for my annual performance evaluations. At Prairie View A&M University I received my first year evaluation (2002 – 2003) for administrative and academic performance as 155.5 over 150 equivalent to 104%, including bonus points, evaluated by Dr. Gerard Rambally, Dean, College of Arts and Sciences. I received similar scores for 2003 – 2004 from Dr. Edward Martin, the Interim Dean. My evaluation for 2005-2014 by Dean Dr. Danny R. Kelley has been "Outstanding".

19. Sabbatical

I spent a six-month sabbatical leave at California State University, Fullerton, California, from February 1985 to August 1985.

20. Experience with Computers

I have used and/or am using MATLAB and MINITAB on different contexts, especially for research and teaching. For word-processing: Microsoft Word. For technical writing: Aurora (PCTEX based) and MathType.

21. Other Services and Experiences:

- (1) **Departmental Liaison** to the Mathematical Association of America (MAA), 2005 – Present.
- (2) As a community service, I serve on the **Academy for Science and Health Professionals Advisory Committee**, 2002 – 2005, Conroe, Texas.
- (3) As a community service, I participated as a **Panelist** in a Student Association Cultural Diversity Forum, February 26, 2001, Benedict College, Columbia, SC.
- (4) **Representing Benedict College** in the **Year 2000 Conference** sponsored by the U. S. Department of Education, White House Initiative on HBCU's, and Office of Student Financial Assistance, August 13, 1999. Research and Education Center, Clark Atlanta University, Atlanta, Georgia.
- (5) Participated in the **Year 2000 Seminar** (a one-day program) conducted by the South Carolina Chamber of Commerce, March 12, 1999. Embassy Suites Hotel, Columbia, South Carolina.
- (6) As a professional and community service, I **served on** the selection committee to evaluate middle/secondary applications for the **Presidential Awards for Excellence in Mathematics and Science Teaching**. Invited through the State of South Carolina Department of Education (Ms. Marjorie Clayton), 1999.
- (7) As a community service, I, as the **Guest Speaker**, gave a speech at the **Naturalization Ceremony**, Federal Court, Columbia, South Carolina, November 13, 1998 (Higher Education in the USA), July 23, 1999 (Cultural Diversity), and April 14, 2000 (Even Freedom Has Boundaries).
- (8) Through an internal small grant, I invited Professor S. G. Mohanty from McMaster University, Hamilton, Ontario, Canada, for a four days visit to Benedict, April 16, 1998 – April 19, 1998. During his visit, Emeritus Professor Mohanty gave a talk to students and faculty on Random Walk in Adaptive Design. Together with Professor Mohanty and Professor S. Durham of the University of South Carolina, we brainstorm a new line of research on a Clinical Trail.
- (9) Served as the **Technical Manager** (Underwriter) of Tehran and National Insurance companies, Tehran, Iran, 1976-78.
- (10) I served as the **President** of Iran-American Society at San Francisco State University, 1966 – 1968.
- (11) I served as the **Social Chairman** of the Iranian Student Association of California, 1966 – 1967.

22. Involvement in other grant proposals

The project BP STAT (Benedict Precollege Statistics) that I initiated and am directing is now in its third year of implementation. It will terminate on December 31, 1998. Teaching statistics to the 10th or 11th grade high school students, using computer and graphing calculator is a unique

program nationwide. This is, in fact, why the National Science Foundation funded the proposal as part of the Young Scholars Program.

Besides submission of proposals, I have been involved in submission of several other proposals. Here are some examples:

- (1) I was one of the three faculty members from Benedict College involved in a planning grant for the amount of \$100,000 from the U. S. Department of Commerce (EduLINK) to establish a distance-learning project with Loyola Marymount University, L. A., California, and Sinte Gleska University, Rosebud, South Dakota, 1994
- (2) I am a faculty member of South Carolina Alliance for Minority Participation (SC AMP) project, since 1993. This grant is awarded to the State of South Carolina for the amount of \$5,000,000 for a period of five years. It has been renewed for the second 5 years

23. Funded/Pending Grant Proposals

	Date	Source	Amount	Title	With
(1)	Summer 2015	PVAMU-Mini Grant	\$20,000	<i>Teaching and Learning Fundamental Concepts of Mathematics and Statistics through Development of Apps</i>	Dr. Lian
(2)	June 2013	Texas Higher Education Coordinating Board	\$36,000	<i>Texas' Complete College America (CCA) FOCUS (Fundamentals of Conceptual Understanding & Success) Project</i>	
(3)	November 2012	National Science Foundation	\$ 398,000	<i>Integrated Undergrad Research Experience in Biological and Mathematical Science (UBM) in collaboration with TAMU-College Station</i>	TAMU-College Station
(4)	August 2010	National Science Foundation	\$ 398,000	<i>UBM</i>	Dr. Fu as PI
(5)	06/20/03	The Regent's Initiative for Excellence in Education, The Texas A&M University System	\$ 13,000	<i>RT-HO Method: An Alternative Method of Teaching Statistics vs Traditional Teaching Method</i>	
(6)	03/12/2003	National Science Foundation, Title III	\$ 58,300	<i>Enhancement of the Mathematics Research Environment for Faculty and Students</i>	Dr. Lian
(7)	03/29/2002	US Department of Education	\$ 299,994	<i>Minority Science and Engineering Improvement (MSEIP), Instructional, CFDA 84.120A</i>	Dr. Mbamalu
(8)	02/21/2002	UNCF/Mellon Programs	\$ 15,000	<i>Undergraduate Fellowship Mentor for Curtis Lane</i>	Dr. Ming Yin
(9)	06/15/2001	National Science Foundation	\$ 56,431	<i>HBCU-UP Planning Grant Proposal</i>	Dr. J. Scott
(10)	02/21/2000	UNCF/Mellon Programs	\$ 15,000	<i>Undergraduate Fellowship Mentor for Kristan McGresham</i>	Dr. Ming Yin
(11)	02/16/1998	ICUSC	\$ 2,500	<i>Efficiency of the "Working Together Project", Faculty Sponsored Research</i>	A. Bouelet
(12)	02/15/1997	ICUSC	\$ 2,500	<i>Impact of the Million Man March on Black Owned Businesses: A Case Study, Faculty Sponsored Research</i>	D. Gleaton
(13)	02/15/1997	ICUSC	\$ 1,400	<i>Relevance of the SAT or CAT in College Academic Performance: A Case Study, Faculty Sponsored Research</i>	L. Brown
(14)	10/31/1996	Center for Comp. Sci. and Adv.	Unspecified	<i>Visiting Scientist Program</i>	

			Distributed Simulation, University of Houston- Downtown, TX			
	(15)	03/01/1996	NSF	\$ 200,997	<i>Benedict Precollege Statistics Project (BP STAT): Increasing access to Science and Mathematics</i>	
	(16)	02/15/1996	ICUSC	\$ 1,400	<i>Benedict College Students Academic Performance Analysis,</i>	L. Davis
	(17)	10/03/1995	Sponsors Program, Benedict	\$ 2,400	<i>Service Learning Project</i>	
	(18)	01/28/1994	Mathematical association of America	\$ 4,960	<i>Planning Grant for High School Students Mathematics</i>	Dr. D. Brekke
	(19)	01/05/1993	Sponsors Program, Benedict	\$ 2,074	<i>What Math Should Undergraduates Learn</i>	