VITA
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Dr. Aliakbar Montazer Haghighi
Professor and Head of Department of Mathematics

1. Personal Information

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Live in Houston, Texas, USA
Citizen of the United States of America
Married, wife**,** two children and three grandchildren

2. University Education

Ph. D. in Probability and Statistics, Case Western Reserve University, Cleveland, Ohio
        Dissertation Advisor: *Professor Lajos Takács*
        Dissertation Title: *Many-Server Queueing Systems with Feedback*

M. A. in Applied Mathematics, San Francisco State University, S. F., California

B. A. in Mathematics, San Francisco State University, San Francisco, California

3. Employment History

→	09/01/2002 – Present:	(Tenured) Professor and Head of Department of Mathematics	Prairie View A&M University, Prairie View, Texas, USA
→	1985 – 2002:	(Tenured) Asst., Asso. and Full Professor	Benedict College, Columbia, SC
→	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 – 2014	Member, NCATE Task Force, College of Education
→	2007 – 2014	Member, Advisory Board, Local Cooperative Teacher Education Center
→	2005 – Present	Member, the Prairie View A&M University Teacher Education Council
→	2005 – 2014	Member, Advisory Board, Alternative Teacher Certification
→	2005 – 2014	Member, Advisory Board, Alternative Teacher Certification
→	2004 – 2013	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
→	2005	Chair, Finance Committee, Honors, Convocation the College of Arts and Sciences hosting
→	2003, 04, 05	Chair, University Academic Council Task Force for Physics, Creative Writing and English Certification, Nursing, and MIS
→	2003 – 2005	Member of the Cohort IV of the Academy for Educator Development
→	2002 – 2005	Member, the University Academic Council
→	2003 – 2004	Member, representing the College of Arts and Sciences, of the University Academic Scholarship Oversight Committee
→	2002 – 2004	Member, representing the College of Arts and Sciences, of the Information Technology Committee

- ## 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** during (1985-2001), I served on a numerous tasks as chair person and member. Here are some examples: Admissions, Recruitment and Retention Committee; Departmental Computer Curriculum Committee; Mathematics Curriculum Committee; Departmental Grant Proposal Committee, the College's Faculty Evaluation Committee, Departmental Self-Study for Southern Association of Colleges and Schools (SACS), Steering

Committee for the Institutional Self-Study, Faculty Principal Committee for the Institutional Self-Study, the College's Faculty Evaluation Committee, Research/Studies/Fellowship Subcommittee, FHWA/SCDOT/Benedict Partnership, Steering Committee, Teacher Education Program, Specialization Sub-Committee, Self-Study for the State Board of Education's re-accreditation process for the Teacher Education Program, Literary Awards Committee for the School of Arts and Sciences, Evaluation Instrument Development Task Force for the School of Arts and Sciences, Math/Computer Science Department Five-Year Strategic Plan Task Force, the Right–size the College Subcommittee of the Strategic Planning Committee, the Year 2000 Compliance Task Force, Search Committee for the mathematics and computer science Department, Transfer Students' Transcripts Audit Committee, and Faculty Promotion and Tenure 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) **Guest Editor,** Special Issue on **Fuzzy Applications in System and Reliability Engineering,** journal of *Advances in Fuzzy Systems*, Hindawi Publisher, 2016.
http://www.hindawi.com/journals/afs/

(4) **Editorial Board Member,** International Journal of Mathematical, Engineering and Management Sciences (IJMEMS)**.** Since February of 2016. www.ijmems.in

(5) **Editorial Board Member,** Journal of Data Analysis and Operations Research (JDAOR), Bahrain, http://www.naturalspublishing.com/show.asp?JorID=35&pgid=0, since 2013.

(6) **Editorial Board Member,** International Journal of Statistics & Economics (formerly Bulletin of Statistics and Economics), http://ceser.res.in/bse.html, since 2008.

(7) **Editorial Board Member,** Computational Methods for Differential Equations, since 2014.
http://cmde.tabrizu.ac.ir/

(8) **Board of Review member**, International Journal of Engineering, Iran, since March 2008.
http://www.ije.ir/people/

(9) **Student Scholarship Award "***Dr. Aliakbar Montazer Haghighi Mathematics Scholarship***",** Department of Mathematics, Prairie View A&M University, Established by me on March 28, 2014.

(10) **Guest Speaker**, The 8th International Conference on Lattice Path Combinatorics and Applications (August 17 – 20, 2015,California Polytechnic State University Pomona, CA), Professor Lajos Takács: Life and Contribution to Combinatorics

(11) **International Advisory Committee Member,** International Conference on Applications of Fluid Mechanics (ICAFD 2014), S.V. University, Tirupati, Andhra Pradesh, India.

(12) **Panelist,** SMART Evaluator, 2015.

(13) **Reviewer for EPA Science to Achieve Results (STAR) Graduate Fellowship,** 2015, 2016,

(14) **Nominated** by faculty of mathematics for the A&M University System Board of **Regent Professor,** 2015.

(15) **Member of the Science Committee** of International Conference on Pure and Applied mathematics, Van, Turkey, 2015.

(16) **Honorary member** of the Scientific Committee for the Eighteenth Annual mathematics Conference of Bangladesh mathematics Society, December 2013.

(17) **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.

(18) **Scientific Committee Member**, International Conference, Dynamical Systems and Applications, November 2009.

(19) **Speakers** for an Invited Talk at the 2014 ICRAM conference at Nagpur University, India.

(20) 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.

(21) Received a **Certificate of Recognition and Appreciation** for "outstanding Participation as a Judge" at the 4th Annual STEM Research Symposium, March 21, 2014, and at the iRISE-UP (Undergraduate Research Symposium), Spring 2016, at Prairie View A&M University.

(22) For the past decades, I have been included in the **Who's Who in North America Education, Who's Who Among Collegiate Faculty, Marquis Who's Who in America, Covington, Who's Who Among Executives and Professionals, Who's Who Among America's Teachers, and United Who's Who**

(23) Receiver of **Excellence in Research Award**, Department of Mathematics, September 2007.

(24) Have been assigned as the **Departmental Liaison** for the Mathematical Association of America, MAA, 2006 – Present.

(25) 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.

(26) 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.

(27) Was recognized by the Honors Program as **Distinguished Honors Faculty Member** for Outstanding Service to the Honors Education at Benedict College, February 27, 2001.

(28) 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.

(29) 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.

(30) Received a **lifetime Instructor Credential Award** for the **California Community Colleges**, March 5, 1985.

(31) 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 Guidance/Advisor

I have been part of Ph.D. Examiner and Advisory Committees, guided several Master Degree theses in mathematics, statistics, and probability, and guided several students' undergraduate research. Here are some examples:

(1) **Ph.D. Dissertation Panel Examiner Member** for *Mr. P. Rajadurai*, School of Advanced Sciences, VIT University, Vellore, India. "*Analysis of Retail Queueing System with Different Type of vacations*", 2016.

(2) **Ph.D. Dissertation Examiner** for Mathematics Candidate, *Fara Jabeen Awan*, HIEC University, Taxila, Pakistan. "*A study of Modifications in Recently Developed Algorithms for Nonlinear Boundary Value Problems*", 2016.

(3) **Ph.D. Dissertation Thesis Examiner,** *Ms. Kejal Kharti,* Applied Mathematics & Humanities Department, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, India, **"**Study on Approximation of Functions in Banach Spaces using Summability Methods", 2014.

(4) **Ph.D. Qualifying Exam Advisory Committee Member** for *Richard Gnahoua*. Texas Tech University, Lubbock, Texas, Applications of Queueing Theory to Separated Flows past the Streamlines, 2010 – 2014.

(5) **Ph.D. Advisory Committee Member** for *Mr. Jian Zhang*. Prairie View A&M University, Prairie View, Texas. Digital Networked Control of Non-smooth Systems, 2011 – 2013.

(6) **Ph.D. Dissertation Examiner** for *Mr. Sri Somnath Maiti*, Indian Institute of Technology, Kharagpur, 721 302, India, 2011 – 2012.

(7) **Ph. D. Dissertation Examiner/Evaluator** for *Mr. Mahmoud Zarrini,* Department of Mathematics University of Pune. "Applications of computational fluid dynamic techniques in fluid flow models", 2010.

(8) **MS Advisor** for *Mr. Frankson Collins II*, A Mathematical Model for the National Football League, December, 2015, Prairie View A&M University, Prairie View, Texas.

(9) **MS Advisor** for *Mrs. Marcia Brown-Palmer*, Cancer Cell Treatment: A Biological Experimental Design, December 2013, Prairie View A&M University, Prairie View, Texas.

(10) **MS Advisor** for *Mr. Kassoum Traore*, Processing Time of An Application in a Stochastic Hiring Model, May 2013, Prairie View A&M University, Prairie View, Texas.

(11) **MS Advisor** for *Mr. Adrissa Diarra*, An Up-and-Down Biased Coin Design, May 2013, Prairie View A&M University, Prairie View, Texas.

(12) **MS Advisory Committee Member** for *Mr. Kareem Babajide*, Modeling and Design of "indoor situational awareness system, Prairie View A&M University, Prairie View, Texas, May 2012.

(13) **MS Co-Advisor** for *Ms. Courtney Reyes*, mathematics graduate student at Prairie View A&M University. Presentation title: Queueing Systems. Completed her MS degree in Mathematics in May 2012.

(14) **MS Advisor** for *Mr. Jae-Wan Park*, The Relationship between Field Saturated Hydraulic Conductivity and Percolation, Prairie View A&M University, August 2009.

(15) **MS Co-Adviser** for *Ms. Dana Debeau*, graduate student at Prairie View A&M University, 2005-2007.

(16) *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.

(17) *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.

(18) *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.

7. Professional Memberships

• Current Professional Memberships

(1) **Lifetime Member** of [The Society for Industrial and Applied Mathematics](#) (SIAM) since 2005

(2) **Lifetime Member** of [American Mathematical Society](#) (AMS) since 2006

(3) **Lifetime Member** of South Carolina Academy of Science (SCAS) since 2016 and a member since 1985.

(4) **Member of** [International Society of Difference Equations](#), since 2007

• 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)

8. Research Interest

I have been and am engaged in research on probability, 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.

9. 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., available in September 2016. http://www.wiley.com/WileyCDA/WileyTitle/productCd-1119022134.html

(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, 2011 (Original Edition 2010). 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 Haghighi**, *Theory of Functions of a Complex Variable* (three editions), Institute of Statistics and Informatics, Tehran, Iran, 1976.

(6) **A. Montazer Haghighi**, *Axiomatic System and Axiomatic Set Theory*, Institute of Statistics and Informatics, Tehran, Iran, 1973.

(7) **A. Montazer Haghighi**, Persian translation of the *Finite Groups* by Walter Ledermann, Institute of Statistics and Informatics, Tehran, Iran, 1971.

(8) **A. Montazer Haghighi**, Persian translation of the *Galois Groups* by Emil Artin, Institute of Statistics and Informatics, Tehran, Iran, 1970.

(9) **A. Montazer Haghighi**, 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 Haghighi** 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-Haghighi**, _Theory of Stochastic_ Processes, Lecture Notes. National University of Iran, Tehran, 1984.

(12) **A. Montazer Haghighi**, _Queueing Theory_, Lecture Notes. National University of Iran, Tehran, 1984.

(13) **A. Montazer Haghighi**, _Ordinary Differential Equations_, Lecture Notes. National University of Iran, Tehran, 1984.

(14) **A. Montazer Haghighi**, Persian translation of the _Foundations of the Theory of Probability_ by A. N. Kolmogorov, Lecture Notes. National University of Iran, Tehran, 1983.

- ## Research Papers Published (Refereed)

(15) **Aliakbar Montazer Haghighi**, 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, Int. J. Mathematics in Operational Research, Vol. 9, No. 1, 2016, pp. 39-64.

(16) **Aliakbar Montazer Haghighi**, and Dimitar P. Mishev, Busy period of a single-server Poisson queueing system with splitting and batch delayed-feedback, Int. J. Mathematics in Operational Research, Vol. 8, No. 2, 2016, pp. 239-257.

(17) **Aliakbar Montazer Haghighi,** Preface, In Honor and Memory of Professor Emeritus Lajos Takács, Applications and Applied Mathematics: An International Journal (AAM), Vol. 10, Issue 2 (December 2015), pp. 634-666.

(18) **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

(19) **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

(20) **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/pu62l103040787h8/?p=6b728733e9ee41849d61a6fde8bb9dac&pi=0

(21) 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

(22) **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

(23) **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.

(24) **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.

(25) **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.

(26) **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.

(27) **Aliakbar Montazer Haghighi**, 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.

(28) **Aliakbar Montazer Haghighi**, Roozbeh Vakil 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.pvamu.edu/aam*.

(29) **Aliakbar Montazer Haghighi**, 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.

(30) Anastasia Ivanova, **Aliakbar Montazer-Haghighi**, 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.

(31) **Aliakbar Montazer Haghighi**, *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.

(32) **Aliakbar Montazer Haghighi** 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#.UZl5vfU4yhk.

(33) **Aliakbar Montazer Haghighi**, 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.

(34) Stephen D. Durham, Nancy Flournoy, **Ali A. Montazer Haghighi**, *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.

(35) Stephen D. Durham, Nancy Flournoy, **Ali A. Montazer Haghighi**, *Up-and-Down Designs.* Computing and Statistics: Interface, Vol. 25, pp. 375-384, 1993.

(36) S. G. Mohanty, **A. Montazer Haghighi** 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.

(37) **A. Montazer Haghighi**, 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.

(38) **A. Montazer Haghighi**, *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.

(39) **A. Montazer Haghighi**, *A Many-Server Queueing System with Feedback,* Bulletin of Iranian Mathematical Society, Vol. 9, No. I (serial No. 16), pp. 65-74, 1981.

(40) **A. Montazer-Haghighi**, *Many-Server Queueing System with Feedback,* Proc. of the 8th National Mathematics Conference, Aryamehr University of Technology, Tehran, Iran, 1977.

(41) **A. Montazer-Haghighi**, *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.

- **Research Papers Published (Non-Refereed)**

(42) **Aliakbar Montazer Haghighi**, 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.

(43) **Aliakbar Montazer Haghighi**, 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.

(44) S. Durham, **Aliakbar Montazer Haghighi** 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.

• Research Activities' Abstracts Published

(45) **Aliakbar Montazer Haghighi**, 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.

(46) **Aliakbar Montazer Haghighi**, 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.

(47) **Aliakbar Montazer Haghighi**, Mohammed Shayib, Estimating reliability and Comparing its Estimators, 301761, JSM, August 3 – 7, 2008, Denver, Colorado.

(48) **Aliakbar Montazer Haghighi**, Dimitar Mishev**,** An Infinite-Buffers Tandem Queuing System. 2008 SIAM Annual meeting, July 7-11, 2008. CP17.

(49) **Aliakbar Montazer Haghighi**, Mohammed Shayib, Preferred Distribution for Estimating $P(Y < X)$, JSM, July 29 – August 2, 2007, Salt Lake City, Utah.

(50) **Aliakbar Montazer Haghighi**, 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.

(51) **Aliakbar Montazer Haghighi**, 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.

(52) **Aliakbar Montazer Haghighi, 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.

(53) **Aliakbar Montazer Haghighi, 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.

(54) **Aliakbar Montazer Haghighi**, 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.

(55) **Aliakbar Montazer-Haghighi**, 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.

(56) **A. Montazer Haghighi**, *A Transient Up-and-Down Design: A Parameter Estimation*. Bulletin of the South Carolina Academy of Science, Vol. LX, p. 81, 1998.

(57) **A. Montazer Haghighi**, *Calculus Excellence workshop Report: A Case Study*. Bulletin of the South Carolina Academy of Science, Vol. LVIII, p. 125, 1996.

(58) **A. Montazer Haghighi**, *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.

(59) **A. Montazer-Haghighi**, *A Conveyor Problem with Balking and Reneging*. Bulletin of the South Carolina Academy of Science, Vol. XLX, p. 110, 1988.

(60) **A. Montazer Haghighi**, *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

(1)	03/16/2013	*Stochastic Processes* **For John Wiley & Sons, Inc.**	(2)	11/06/2013	*Fuzzy differential equations and applications* **For Taylor & Francis / CRC Press**
(3)	11/14/2013	*Learning Operations Research through Puzzels and Games* **For John Wiley & Sons, Inc.**	(4)	03/31/2015	*Introductory Statistics 4th edition by Sheldon Ross* **For Elsevier Limited, UK**

● Papers reviews

● Review for Inderscience Online, International Journal of Operational Research (IJOR)

(1)   04/24/2016   *Improved Tabu Search for Scheduling Problem on Single machine*
ID # IJOR_134502

● Referee/reviewer for Elsevier

(1)	10/30/2012	*Modeling and Analysis of Markovian Queueing Systems under Delay in Service Process: A Gas Station Case Study.*	**Applied Mathematical Modeling**
(2)	04/09/2014	*Two-dimensional model of nanoparticle deposition in the alveolar ducts of the human lung.*	**European Journal of Mechanics** - B/Fluids

● Review for Advances in Mathematical Physics, Hindawi Publishing Co.

(1)   11/02/2014   *Direct Numerical Simulation of the helical Around-Beltrami-Childress Flow Subjected to Stratification*
Ref 313628

● **Review for Sage Open**

(1)　01/20/2016　　A Practical Solution to the
　　　　　　　　　　Slow Server Problem for
　　　　　　　　　　Uniformed Customers
　　　　　　　　　　ID # SO-15-1110

● **Review for NSA-JSAP (Journal of Statistics Applications and Probability)**

(1)　09/16/2015　　*Note on Feedback Queueing*　(2)　10/02/2015　　On the Stability Condition of
　　　　　　　　　　Model Under Serial Service　　　　　　　　　　　Multi-Station Queueing System
　　　　　　　　　　Discipline　　　　　　　　　　　　　　　　　　　*Ref. # JSAP260415AG*
　　　　　　　　　　Ref # JSAP261214

● **[Journal of Data Analysis and Operations Research of Bahrain (JDAOR),](#) Natural Science Publishing**

(1)　12/21/2013　　*Effective Minimal Spanning*　(2)　05/17/2013　　*Local Depth for Functional Data*
　　　　　　　　　　tree using Fussy C-means
　　　　　　　　　　based Kernel Function in
　　　　　　　　　　Data Analyzing
(3)　05/01/2013　　*An iterative robust method*
　　　　　　　　　　for labelling continuous data

● **Journal of Statistical Research of Iran (JRSI)**
http://en.journals.sid.ir/JournalList.aspx?ID=9130

(1)　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**

(1)　01/03/2012　　*Comparative study of Bhattacharyya and Kshirsagar bounds in Burr XII and Burr III*
　　　　　　　　　　distributions

● **[Journal of Statistics and Economic (IJSE)](#)**

(1)　05/14/2010　　*A Class of Separate-Type Estimators for Population Mean in Stratified Sampling Using*
　　　　　　　　　　Known Parameters under Non-Response

● **Referee/reviewer for [Physica A: Statistical Mechanics and Its Applications](#)**
(PHYSA by Elsevier, Main Editor: H. Stanley)

(1)　07/24/2007　　*Analysis of Random Walks with an*　(2)　12/04/2006　　*Product form solution for*
　　　　　　　　　　Absorbing Barrier and Chemical　　　　　　　　　　*exponential G-networks with*
　　　　　　　　　　Rule　　　　　　　　　　　　　　　　　　　　　*dependent service and*
　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　completion of service of
　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　killed customers

● **JJMIE Jordan Journal of Mechanical and Industrial Engineering**

(1)　02/22/2016　　*Mathematic models for the Analysis*　(2)　02/22/2016　　Using D-Optional Approach
　　　　　　　　　　and Comparison of Mean Time to　　　　　　　　　　and Genetic Algorithm
　　　　　　　　　　System Failure of Multi-State Series-　　　　　　　　　towards Optimization of

parallel System
Ref # JJMIE-42-15

EDM process Parameters for
an Experimental Study on
Inconel 718 Supper Alloy
Ref # JJMIE-43-15

- **Referee/reviewer for NTCM (National Council for Teachers of Mathematics) Journal of Research in Mathematics Education (jrme@ntcm.org)**

(1) 11/18/2008 *The Mathematical Reasoning Requirements in Upper Secondary Level Assessments*

- **Referee/reviewer for JBS-SI (Special Issue)**

(1) 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

(1) 10/11/2008 *Outsourcing with Quality Competition: Insights from a Three Stage Game Theoretic Model*

- **Referee/reviewer for [Applied Mathematical Modeling (AMM 4526), Wales](#), U.K.**

(1) 08/15/2006 *Analyzing multiserver bulk-service finite-buffer queue*

- **Referee/reviewer for the [International Journal of Engineering](#) (IJE),**
  http://www.ije.ir

(1)	01/12/2008	*Loss And Delay Queue With State Dependent Rates Under No Passing Restriction And Discouragement*	(2)	03/04/2008	*Analytical Study of Effect of Disorder on Dispersion in Steady Inertial Flows in Porous effect*

- **Referee/reviewer for The special issue of the OMEGA on Logistics**

(1) 06/22/2006 *Activity-based costing and reverse logistics management: an environmental protection perspective*

- **Referee/reviewer for [Applications of Mathematics in Engineering and Economics](#)**

(1)	08/12/ 2008	*Oscillation Criteria in First Order Neutral Delay Impulsive Differential Equations with Constant Coefficients*	**34th International Conference, Sozopol (Bulgaria), 8–14 June 2008, Proceeding, published in American Institute of Physics**
(1)	08/12/ 2008	*Oscillation Criteria in First Order Neutral Delay Impulsive Differential Equations with Constant Coefficients*	**33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007, Proceeding, published in American Institute of Physics**
(2)	08/17/2007	*Oscillations of Some Equations and Inequalities of Second Order and Applications in Mechanics*	

- **Referee/reviewer for The 6th ASME-JSME**

| (1) | 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**

| (1) | 08/27/2009 | Endogenous timing in a differentiated duopoly | (2) | 08/27/2009 | *Capacity choice under demand uncertainty* |
| (3) | 09/09/2011 | Hierarchical Classification and Functional Data Analysis Techniques | (4) | 09/22/2013 | Short-Time particulate Matter PM10 Forecasts using Predictive modeling Techniques |

- **Review for the AMiTaNS Conference Proceedings (International Conference "Application of Mathematics in Technical and natural Sciences", 2013, 2015)**

| (1) | 09/22/2013 | Shor-time Particular Matter PM10 Forecasts using Predictive Modeling Techniques | (2) | 10/06/2015 | LOR Problem of Linear Discrete Times with Nonnegative State Constraints, *ID 30* |

- **Review for The 4th International Conference on Electronics, Communications and Networks (CECNet 2014)**

| (1) | 12/04/2014 | *Research in Congested-Resistant Frequency Allocation Scheme for HF IP Network Ref # CECN1210* | (2) | 12/04/2014 | An Adaptive PI Active Queue Management Algorithm Based on Queue Length *Ref # CECN1494* |

- **Referee/reviewer for [The International Journal of Computers & Operations Research (COR)](#). The following are selected recent reviews**

(1)	01/04/1993	*Performance Analysis of a Two-Priority Queueing System with Group Services*	(2)	05/17/1993	*A Queue with Instantaneous Trinomial Feedback Process*
(3)	05/31/1994	$M/M/\phi(\cdot)$ *Time Sharing Queue With Balking And No passing*	(4)	01/02/1996	*A General Class of Control Operating Policy for an MIMI] Queue with General Startup Time*
(5)	04/15/1996	*Workload and Waiting Time in a Fixed-Time Loop System*	(6)	05/06/1996	*Finite Capacity Markovian Queue with Balking and Reneging*
(7)	01/20/1997	*A Note on Varying the Number of States in the Arrival Process of MRIGIII Queue*	(8)	01/22/1997	*Average Waiting Time of Customers in an MIDIK Queue with Nonpreemptive Priorities*
(9)	07/18/1997	*On a Batch Arrival Poisson Queue with a Random Setup*	(10)	12/14/1998	*The truncated hyperexponential service queues: $M/H_k/1/N$ with*

		Time and a Vacation Period			*balking and reneging*
(11)	01/11/1999	*A Concurrent Processing Framework for the Set Partitioning Problem*	(12)	07/18/1999	*A Recursive Algorithm for Generating the Transition Matrices of Multistation Multiserver Exponential Reliable Production Lines*
(13)	03/28/2001	*Maximum Number of On-Time Jobs on Parallel Identical Machines*	(14)	08/13/2001	*Performance analysis and buffer allocation in some open assembly systems*
(15)	09/07/2001	*Using Minimal Cuts To Study The System Capacity For A Stochastic-Flow Network In Two-Commodity Case*	(16)	11/14/2001	*Performance analysis and buffer allocation in some open assembly systems*
(17)	04/09/2002	*Using Minimal Cuts To Study The System Capacity For A Stochastic-Flow Network In Two-Commodity Case*	(18)	08/07/2002	*Making the Wait More Comfortable to Reduce Customer Reneging in Waiting Lines*
(19)	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)**

(1)	11/28/2006	*Product form solution for exponential G-networks with dependent service and completion of service of killed customers*	(2)	05/07/2007	*Improved algorithm for rate event simulation with heavy tails*
(3)	06/26/2007	*Heavy Traffic Limits Via Brownian Embedings*	(4)	08/13/2007	*The discrete-time GI/Geo/1 queue with working vacations and vacation interruption.*
(5)	09/10/2007	*Multiple eigenvalues in spectral analysis for solving QBD processes.*	(6)	02/03/2008	*A fluid system with coupled input and output, and its application to bottlenecks in ad hoc networks*
(7)	03/27/2008	*Structural results on a batch acceptance problem for capacitated queues*	(8)	05/27/2008	*Exact waiting time and queue size distributions for equilibrium M/G/1 queues with Pareto service*
(9)	08/14/2008	*Strong stability of queues with multiple vacation of the server.*	(10)	05/05/2009	*Lattice path approach to busy period density of queueing system $C_2/C_2/1$.*
(11)	08/20/2009	*The effects of the availability of waiting-time information on a balking queue.*	(12)	10/02/2009	*On the loss process in a batch arrival queue*
(13)	07/09/2010	*A fluid model for a relay node in an ad hoc network: the case of heavy-tailed input*	(14)	10/09/2010	*Sensitivity to service time in infinite-server system*
(15)	06/18/2011	*Some Results for the actual waiting time in batch arrival queueing systems*	(16)	08/16/2011	*Large number of queues in tandem: scaling properties under back-pressure algorithm*
(17)	01/03/2012	*Dynamic Pricing and Scheduling in a Multi-class Single-server Queueing System*	(19)	03/06/2012	*Queueing systems with synergistic servers*
(20)	06/20/2012	*Statistical analysis of single-server loss queueing systems*	(21)	12/02/2012	*Time-dependent analysis for a queue modeled by an infinite system of partial differential equations*

(22)	02/02/2013	*Asymptotic Irrelevance of Initial Conditions for Skorohod Reflection Mapping on the Nonnegative Orthant*	(23)	03/16/2013	*Repair Systems with Exchangeable items and longest Queue Mechanism* MR3015988
(24)	07/08/2013	*Repair systems with exchangeable items and the longest queue mechanism*	(25)	09/30/2013	*Analysis of the Finite-Source Multiclass Priority Queue with an Unreliable Server and Setup Time* MR3048002
(26)	12/21/2013	*Markov chains competing for transitions: application to large-scale distributed systems*	(27)	03/14/2014	*Closed queueing networks under congestion: nonbottleneck independence and bottleneck convergence*
(28)	03/18/2014	*The Multi-class FIFO M/G/1 queue with exponential working vacations* MR3113687	(29)	03/26/2014	*Statistical analysis with Little's law*
(30)	06/11/2014	*The M^x/G/1Queue with Unreliable Server, Delayed Repairs, and Bernoulli Vacation Schedule under T-Policy* MR3150388	(31)	07/18/2014	*Validity of Heavy-Traffic Steady-state Approximations in Multiclass Queueing Networks: The Case of Queue-ration Disciplines* MR3173006
(32)	10/08/2014	*On the Transient Queue-size Distribution in the Batch-Arrival System with a Single Vacation Policy* MR3195008	(33)	12/03/2014	*Optimal Admission Control for two Station Tandem Queues with Loss* MR3214818
(34)	02/22/2015	*Performance analysis of the retrial queues with finite number of sources and service interruptions,* MR3255372	(35)	04/01/2015	*Analysis of an $MMAP/PH_1,PH_2/N/\propto$ Queueing System Operating in a Random Environment* MR3243514
(36)	05/05/2015	*Vine Copula Specifications for Stationary multivariate Markov Chains* MR3316468	(37)	06/09/2015	*M/G/$\propto$ with Exponentially Distributed Setup Times* MR3302542
(38)	09/22/2015	*Analysis and Performance Optimization of a Geom/G/1 Queue with General Limited Service and Multiple Adaptive Vacations* MR3345033	(39)	11/24/2015	*Robust Queueing Theory* MR3356331
(40)	02/02/2016	*Analysis of Forecasting of Expected Incomes in Markov Networks with Bounded Waiting Time for Claims* MR3374791	(41)	05/12/2016	*Analysis of a Clearing Queueing System with Setup Times* MR3349116

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 (online). 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 Sample 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

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(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 University, Myrtle Beach, South Carolina, summer of 1993

13.   Course/Degree Developed and Workshop Conducted

(1)   New graduate degree program, **MS in Mathematical Science,** in the department of mathematics at Prairie Vire 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 Vire A&M University. Pending for approval. Expected implementation date, Spring 2015.

(3)   **Developed** a course called Advance Mathematics for Engineers. This is a 5semster 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

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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) **Guest Speaker**, The 8th International Conference on Lattice Path Combinatorics and Applications (August 17 – 20, 2015,California Polytechnic State University Pomona, CA), Professor Lajos Takács: Life and Contribution to Combinatorics

(2) 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.

(3) 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.

(4) 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.

(5) 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.

(6) The Joint Meeting of AMS, SIAM and MAA, A Single-server Poison Queueing System with Splitting and Delayed Batched Feedback (Case *k* = *N* = 1). Washington, DC, January 3-9, 2009.

(7) Applications of Mathematics in Engineering and Economics, 33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007.

(8) The Joint Meeting of AMS, SIAM and MAA, New Orleans, LA, January 5-8, 2007, Delayed-Service *M*/*M*/*c* Queuing System. Scheduled session number 1023-60-239.

(9) Texas Association of Academic Administrators in the Mathematical Science, October 6-7, 2006, Waco, Texas.

(10) 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.

(11) The Joint Meeting of AMS, SIAM and MAA, San Antonio, TX, January 12-15, 2006, Busy Period of a Delayed-Service *M*/*M*/*c* Queuing System.

(12) Mathematics Department Colloquium, April 4, 2005, A Queueing System with Delayed-Service, Prairie View A&M University, Prairie View, TX.

(13) 5th Annual Chancellor's Invitational Conference fort the Academy for Educator Development, June 24 – 26, 2004, Houston, TX.

(14) 30th Jubilee International Conference on Application of Mathematics in Engineering and Economics, June 7 – 12, 2004, Sozopol, Bulgaria.

(15) AMS VI Joint International Meeting, May 13 – 15, 2004, Houston, TX.

(16) The Joint Meeting of AMS and MAA, San Diego, California, January 6-9, 2002.

(17) The Annual Meeting of the Society for Industrial and Applied Mathematics (SIAM), San Diego, CA, July 9 - 13, 2001.

(18) The Joint Meeting of AMS and MAA, New Orleans, Louisiana, January 9-12, 2001.

(19) The Annual Meeting of the South Carolina Academy of Science. Lander University, Greenwood, SC, April 30, 1999.

(20) Living the Questions, The University of South Carolina (USC) teacher-Researcher Conference. USC College of Education, September 26, 1998.
(21) Annual Meeting of the SCAS. Clemson University, Clemson, SC, March 20, 1998.
(22) The International Institute for General Systems Studies, The Second Workshop. Southwest Texas State University, San Marcos, TX, January 9 - 11, 1997
(23) Annual Meeting of the SCAS. Charleston, SC, March 29, 1996.
(24) International Conference on Applied Probability and Time Series Analysis, Athens, Greece, March 22-26, 1995.
(25) 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 - 1 5, 1994.
(26) The Annual Meeting of the Society for Industrial and Applied Mathematics (SIAM), Philadelphia, Pennsylvania, July 12-16, 1993.
(27) The Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Columbia, S. C., 1993.
(28) 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.
(29) The twenty-fifth Annual Winter Simulation Conference (WSC), Arlington, VA, December 13-16, 1992.
(30) The Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Coastal Carolina College, Conway, S. C., 1992.
(31) The Second International Conference on Applied Mathematics and Industry (ICIAM), Washington, DC, 1991.
(32) The Annual meeting of the Statistical Society of Canada (SSC), University of Toronto, Toronto, Ontario, Canada, 1991.
(33) The Annual Meeting of the South Carolina Academy of Science, University of South Carolina at, Spartanburg, SC, 1991.
(34) Twentieth Annual Pittsburgh conference on Modeling and Simulation, University of Pittsburgh, Pittsburgh, Pennsylvania, 1989.
(35) Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Columbia, SC, 1989.
(36) The Annual Meeting of the South Carolina Academy of Science, South Carolina State University, Orangeburg, SC, 1988.
(37) The 60th Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Columbia, South Carolina, 1987.
(38) 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,** The 8th International Conference on Lattice Path Combinatorics and Applications (August 17 – 20, 2015, California Polytechnic State University Pomona, CA), Professor Lajos Takács: Life and Contribution to Combinatorics
(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.   Sabbatical

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

19.   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.

20.   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.

21.   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

22.   Funded/Pending Grant Proposals

	Date	Source	Amount	Title	With
(1)	Summer 2016	PVAMU-Mini Grant	$20,000	*Teaching and Learning Fundamental Concepts of Mathematics and Statistics through Development of Apps*	Dr. Michev
(1)	Summer 2015	PVAMU-Mini Grant	$20,000	*Teaching and Learning Fundamental Concepts of Mathematics and Statistics through Development of Apps*	Dr. Lian
(2)	June 2013	Texas Higher Education Coordinating Board	$36,000	*Texas' Complete College America (CCA) FOCUS (Fundamentals of Conceptual Understanding & Success) Project*	
(3)	November 2012	National Science Foundation	$ 398,000	*Integrated Undergrad Research Experience in Biological and Mathematical Science (UBM) in collaboration with TAMU-College Station*	TAMU-College Station
(4)	August 2010	National Science Foundation	$ 398,000	*UBM*	Dr. Fu as PI
(5)	06/20/03	The Regent's Initiative for Excellence in Education, The Texas A&M University System	$ 13,000	*RT-HO Method: An Alternative Method of Teaching Statistics vs Traditional Teaching Method*	
(6)	03/12/2003	National Science Foundation, Title III	$ 58,300	*Enhancement of the Mathematics Research Environment for Faculty and Students*	Dr. Lian
(7)	03/29/2002	US Department of Education	$ 299,994	*Minority Science and Engineering Improvement (MSEIP), Instructional, CFDA 84.120A*	Dr. Mbamalu
(8)	02/21/2002	UNCF/Mellon Programs	$ 15,000	*Undergraduate Fellowship Mentor for Curtis Lane*	Dr. Ming Yin
(9)	06/15/2001	National Science Foundation	$ 56,431	*HBCU-UP Planning Grant Proposal*	Dr. J. Scott
(10)	02/21/2000	UNCF/Mellon Programs	$ 15,000	*Undergraduate Fellowship Mentor for Kristan McGresham*	Dr. Ming Yin
(11)	02/16/1998	ICUSC	$ 2,500	*Efficiency of the "Working Together Project", Faculty Sponsored Research*	A. Bouelet
(12)	02/15/1997	ICUSC	$ 2,500	*Impact of the Million Man March on Black Owned Businesses: A Case Study, Faculty Sponsored Research*	D. Gleaton
(13)	02/15/1997	ICUSC	$ 1,400	*Relevance of the SAT or CAT in College Academic Performance: A Case Study, Faculty Sponsored Research*	L. Brown
(14)	10/31/1996	Center for Comp. Sci. and Adv. Distributed Simulation, University of Houston-Downtown, TX	Unspecified	*Visiting Scientist Program*	
(15)	03/01/1996	NSF	$ 200,997	*Benedict Precollege Statistics Project (BP STAT): Increasing access to Science and Mathematics*	
(16)	02/15/1996	ICUSC	$ 1,400	*Benedict College Students Academic Performance Analysis,*	L. Davis
(17)	10/03/1995	Sponsors Program, Benedict	$ 2,400	*Service Learning Project*	
(18)	01/28/1994	Mathematical association of America	$ 4,960	*Planning Grant for High School Students Mathematics*	Dr. D. Brekke
(19)	01/05/1993	Sponsors Program, Benedict	$ 2,074	*What Math Should Undergraduates Learn*	

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