

Aliakbar Montazer Haghighi

Current Position:

Professor & Head, Department of Mathematics

Co-Founder and Editor-in-Chief, Applications & Applied Mathematics: An International Journal (AAM)

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Aliakbar Montazer Haghighi

1. Personal Information

- **Telephone:** Office: (936) 261-1970 (O)
- **FAX:** (936) 261-2088
- **E-mail:** amhaghighi@pvamu.edu
- **Address:** Work: Department of Mathematics, Prairie View A&M University
P. O. Box 519 – Mail Stop 2225, Prairie View, TX 77446-0519
- **Citizen** of the United States of America
- **Married** with two grown up children

2. University Education

- **Ph. D.** in Probability and Statistics, Case Western Reserve University, Cleveland, Ohio, 1976. 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, 1971.
- **B. A.** in Mathematics, San Francisco State University, S. F., California, 1966.

3. Employment History

- | | | |
|----------------------|--|---|
| → 9/1/2002 – Present | Professor (Tenured) and Head of Mathematics Department | Prairie View A&M University, Prairie View, Texas, USA |
| → 1993 – 2002 | Professor (Tenured) | Benedict College, Columbia, SC |
| → 1988 – 2002 | Professor | Benedict College, Columbia, SC |
| → 1985 – 1988 | Associate Professor | Benedict College, Columbia, SC |
| → 1981 – 1985 | Associate Professor | National University of Iran (Shaheed Beheshti University), Tehran |
| → 1968 – 1981 | Assistant 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
- 2006 – 2008 Member, College of Arts and Sciences Curriculum Committee
- 2005 – Present Member, the Prairie View A&M University Teacher Education Council
- 2005 – Present Member, College of Education Teacher Certificate Committee
- 2005 – Present Member, the University Library Committee, PVAMU
- 2005 – Present Member, Advisory Board, Alternative Teacher Certification
- 2006 – 2008 Member, College of Arts and Sciences Tenure and Promotion Committee
- 2002 – 2005 Member, representing the College of Arts and Sciences, of 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 Member, Steering Committee, Founder's Day and Honors Convocation, the College of Arts and Sciences hosting
- 2005 Chair, Finance Committee, Honors, Convocation the College of Arts and Sciences hosting
- 2004 - Present Faculty Representative to the Library Committee

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

- 1980 - 1981 Acting 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
- 1985 – 1991 Member, Benedict College Faculty Evaluation Committee
- 1990 – 1991 Chairperson, Departmental Self-Study for Southern Association of Colleges and Schools (SACS)
- 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 – Present), Team Leader, Applied Mathematics, Math/Computer Department (2000 – Present), Team Leader, Calculus Sections, Math/Computer Department (2000 – Present), 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.

It should be noted that from 1988 through 2000 at Benedict College, besides official administrative positions I held, I served as the senior advisor to the Department Chair and held his responsibilities during his absence.

5. Honors

- (1) **Editors-in-Chief** and one of the two **Founders** and **Founding Editors-in-Chief** of the *Applications and Applied Mathematics (AAM): International Journal*, an online journal established April 2005. The first issue went online on June 26, 2006. It can be viewed at: <http://pvamu.edu/pages/aam>
- (2) **Editors-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 published September 1, 2006. It can be viewed at: <http://www.pvamu.edu/pages/2369.asp>
- (3) Winner of **Excellence in Research Award**, Department of Mathematics, September 2007.
- (4) **Editorial Board member**, International Journal of Statistics & Economics, since 2008.
- (5) **Board of Review member**, International Journal of Engineering, Iran, since March 2008.
- (6) 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.
- (7) Have been included in the 2008 – 2009 **Honor Edition of Who's Who Among Executives and Professionals**.
- (8) Have been included in the 2009 Edition of **Who's Who in America**, the 110th Edition of Marquis who's Who.
- (9) Have been included in the 10th Annual Edition of **Who's Who Among America's Teachers, 2005-2006**, September 2006.
- (10) Have been assigned as the **Departmental Liaison** for the Mathematical Association of America, MAA, 2006 – Present.
- (11) Have been selected to be included in the 2004 – 2005, 9th Edition of the **United Who's Who**.
- (12) Have been included in the 2004 Edition of **Who's Who Among America's Teachers**.
- (13) 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.
- (14) 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.

- (15) Have been twice included in the **Who's Who in America**, 1989 and 1996 and nominated to be included in the November 2003 issue.
- (16) Was recognized by the Honors Program as **Distinguished Honors Faculty Member** for Outstanding Service to the Honors Education at Benedict College, February 27, 2001.
- (17) 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.
- (18) 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.
- (19) Received a **lifetime Instructor Credential Award** for the California Community Colleges, March 5, 1985.
- (20) Received many letters of recognition and certificates of appreciation for my works in different capacities and achievement awards for different activities during my tenure at Benedict College (from President, Department and Division Chairs, and Dean).
- (21) Recognized by the Office of the Service-learning as the **Research Faculty Protégé**.
- (22) 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 and feedback. Also I am interested in statistical analysis and mathematical statistics. Currently I am working on the following: a single and multi-server parallel and tandem queueing system with splitting, sojourn time and busy period of a multi-processor system with task-split and feedback, queueing systems with delayed-service and delayed-feedback.

7. Publications

- **Books/Lecture Notes Publications**

- (1) **Aliakbar Montazer Haghighi**, Jian-ao Lian and Dimitar P. Mishev, *Advance mathematics for Engineers with Applications in Stochastic Processes*. Nova Science Publishers, Inc., a New York corporation, to appear in spring 2010.
- (2) **Aliakbar Montazer Haghighi**, and Dimitar P. Mishev, *Queueing Models in Industry and Business*. Nova Science Publishers, Inc., a New York corporation, 2008.
<K:\Books Authored\Book Nova Publishers, Inc\Book Q\Queueing Models in Industry and Business.mht>

- (3) 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.
- (4) **A. Montazer-Haghghi**, *Theory of Stochastic Processes*, Lecture Notes. National University of Iran, Tehran, 1984.
- (5) **A. Montazer Haghghi**, *Queueing Theory*, Lecture Notes. National University of Iran, Tehran, 1984.
- (6) **A. Montazer Haghghi**, *Ordinary Differential Equations*, Lecture Notes. National University of Iran, Tehran, 1984.
- (7) **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.
- (8) **A. Montazer Haghghi**, *Theory of Functions of a Complex Variable* (three editions), Institute of Statistics and Informatics, Tehran, Iran, 1976.
- (9) **A. Montazer Haghghi**, *Axiomatic System and Axiomatic Set Theory*, Institute of Statistics and Informatics, Tehran, Iran, 1973.
- (10) **A. Montazer Haghghi**, Persian translation of the *Finite Groups* by Walter Ledermann, Institute of Statistics and Informatics, Tehran, Iran, 1971.
- (11) **A. Montazer Haghghi**, Persian translation of the *Galois Groups* by Emil Artin, Institute of Statistics and Informatics, Tehran, Iran, 1970.
- (12) **A. Montazer Haghghi**, Persian translation of the *Theory of Operations Research* by Van Der Veen, Institute of Statistics and Informatics, Tehran, Iran, 1969.

- **Referred Publications**

- (13) Aliakbar Montazer Haghghi, and Mohammed A. Shayib, *Reliability computation using logistic and Extreme-Value Distributions*. **International Journal of Statistics and Economics, Vol. 4, No. S10, Spring 2010.**
- (14) **Aliakbar Montazer Haghghi**, Stefanka Chukova, and Dimitar P. Mishev, *Single-server Poison Queueing System with Splitting and Delayed-Feedback, Part I*. International Journal of Mathematics in Operations Research, to appear in 2010.
- (15) Aliakbar Montazer Haghghi, 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).
- (16) Aliakbar Montazer Haghghi, 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. 3, 2009.
- (17) **Aliakbar Montazer Haghghi**, Stefanka Chukova, and Dimitar P. Mishev, *A Two Station Tandem Queueing System with Delayed-Service*. To appear in the International Journal of Operational Research, Vol. 3, No. 4, 2008.
- (18) **Aliakbar Montazer Haghghi**, 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.
- (19) **Aliakbar Montazer Haghghi**, and Dimitar P. Mishev, *A Tandem Queueing System with Task-Splitting, Feedback and Blocking*. [International Journal of Operational Research](http://www.ijor.org) (IJOR) Vol.2 No. 2, pp. 208 – 230, 2007.

- (20) **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.
- (21) **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.
- (22) Anastasia Ivanova, **Aliakbar Montazer-Haghighi**, Sri Gopal Mohanty, and Steven D. Durham, *Improved up-and-down designs for phase I trials*. *Statistics in Medicine*, 22:69-82, 2003.
- (23) **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.
- (24) **Aliakbar Montazer Haghighi**, Juanita S. Scott, *Calculus Excellence Workshop: A Case Study*. *PRIMUS* (Problems Resource, and Issues in Mathematics Undergraduate Studies), Vol. VIII, No. 2, June, 1998.
- (25) **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.
- (26) 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.
- (27) Stephen D. Durham, Nancy Flournoy, **Ali A. Montazer Haghighi**, *Up-and-Down Designs. Computing and Statistics: Interface*, Vol. 25, pp. 375-384, 1993.
- (28) 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.
- (29) **A. Montazer Haghighi**, J. Madhi, 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.
- (30) **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.
- (31) **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.
- (32) **A. Montazer-Haghighi**, *Many-Server Queueing System with Feedback*, [Proc. of the 8th National Mathematics Conference](#), Aryamehr University of Technology, Tehran, Iran, 1977.
- (33) **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.

- **Non-refereed Publications**

- (34) **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.

- (35) **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.
- (36) 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.

- **Abstract Published**

- (37) **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
- (38) **Aliakbar Montazer Haghghi**, Mohammed Shayib, Estimating reliability and Comparing its Estimators, 301761, JSM, August 3 – 7, 2008, Denver, Colorado.
- (39) **Aliakbar Montazer Haghghi**, Dimitar Mishev, An Infinite-Buffers Tandem Queueing System. 2008 SIAM Annual meeting, July 7-11, 2008. CP17.
- (40) **Aliakbar Montazer Haghghi**, Mohammed Shayib, Preferred Distribution for Estimating $P(Y < X)$, JSM, July 29 – August 2, 2007, Salt Lake City, Utah.
- (41) **Aliakbar Montazer Haghghi**, Dimitar Mishev, Stefanka Chukova, Delayed-Service $M/M/c$ Queueing System. The Joint Meeting of AMS, SIAM and MAA, New Orleans, LA, January 5-8, 2007.
- (42) **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.
- (43) **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.
- (44) **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
- (45) **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.
- (46) **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.
- (47) **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.
- (49) **A. Montazer Haghghi**, *Calculus Excellence workshop Report: A Case Study*. Bulletin of the South Carolina Academy of Science, Vol. LIVII, p. 125, 1996.

- (50) **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.
- (51) **A. Montazer-Haghghi**, *A Conveyor Problem with Balking and Reneging*. Bulletin of the South Carolina Academy of Science, Vol. XLX, p. 110, 1988.
- (52) **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. Referee/Reviewer

- **Referee/reviewer for NTCM (National Council for Teachers of Mathematics) Journal of Research in Mathematics Education (jrme@ntcm.org)**
 - (1) 08342
The Mathematical Reasoning Requirements in Upper Secondary Level Assessments
Reviewer: Aliakbar Montazer Haghghi. November 18, 2008.

- **Referee/reviewer for AMS (American Mathematical Society) Mathematical Review (MR, 416 Fourth St., P.O. Box 8604, Ann Arbor, MI 48107-8604, USA)**
 - (2) MR 2 519 109 mathrev@ams.org
et: J CMP 2009: 16
[MR 2 519 109](#) Bratiychuk, mykola; Chydzinski, Andrzej. On the loss process in a batch arrival queue. *Appl. Math. Model.* **33** (2009), no. 9, 3565 – 3577.
90B22, 60K25.
Reviewer: *Haghghi, Aliakbar Montazer*
051819 (Prairie View, TX) October 02, 2009.

 - (3) MR 2 508 0421 mathrev@ams.org
et: J CMP 2009: 13
[MR 2 508 042](#) Guo, Pengfei; Zipkin, Paul. The effects of the availability of waiting-time information on a balking queue. *European J. Oper. Res.* **198** (2009), no. 1, 199 – 209.
90B22, 60K25.
Reviewer: *Haghghi, Aliakbar Montazer*
051819 (Prairie View, TX) August 20, 2009.

 - (4) MR 2 436 549 mathrev@ams.org
et: J CMP 2009: 1
[MR 2 436 549](#) Agarwal, Manju; Sen, Kanwar. Lattice path approach to busy period density of queueing system $C_2/C_2/1$. *Appl. Int. J. Oper. Res.* **3** (2008), no. 5, 575 – 603.
90B22, 60K25.
Reviewer: *Haghghi, Aliakbar Montazer*
051819 (Prairie View, TX) May 5, 2009.

- (5) MR2401411 mathrev@ams.org
et : CMP 2008 :
[MR2401411](#) Rahmoune, Fazia; Aissani, Djamil. Strong stability of queues with multiple vacation of the server. *Stoch. Anal. Appl.* **26** (2008), no. 3, 665--678. 60K25 (60J25 62L20 90B22)
Reviewer: *Haghighi, Aliakbar Montazer*
051819 (Prairie View, TX) August 14, 2008.
- (6) MR 2 399 271 mathrev@ams.org
et : J CMP 2008 : 10
J. Kim, B. Kim, and K. Sohraby
Ann. Oper. Res. {\bf 162} (2008), 69 – 83
Reviewer: *Haghighi, Aliakbar Montazer*
051819 (Prairie View, TX) August 6, 2008.
- (7) MR2369214 mathrev@ams.org
Colin M. Ramsay
Exact waiting time and queue size distributions for equilibrium
M/G/1 queues with Pareto service
Received: 24 July 2007 / Revised: 21 October 2007 / Published online: 17 November 2007
© Springer Science+Business Media, LLC 2007
Queueing Syst (2007) 57: 147–155
DOI 10.1007/s11134-007-9052-7
Reviewer: Haghighi, Aliakbar M., 5/27/08.
- (8) MR 2342214 mathrev@ams.org
Eren Başar Çil, E. Lerzan Örmeci, Fikri Karaesmen
Structural results on a batch acceptance problem for capacitated queues
Received: 11 April 2006 / Accepted: 19 October 2006 / Published online: 18 January 2007
© Springer-Verlag 2007
Math. Meth. Oper. Res. (2007) 66: 263–274
DOI 10.1007/s00186-006-0137-6
Reviewer: Haghighi, Aliakbar M., 3/27/08.
- (9) MR 2322788 mathrev@ams.org
Mandjes, Michel
CWI, PO Box 94079, 1090 GB, Amsterdam, The Netherlands
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TNO ICT, Brasserieplein 2, PO Box 5050, 2600 GB Delft, The Netherlands
Frank.roijers@tno.nl
A fluid system with coupled input and output, and its application to bottlenecks in ad hoc networks
Queueing Syst (2007) 56: 79–92, DOI 10.1007/s11134-007-9034-9
Reviewer: *Haghighi, Aliakbar Montazer*
051819 (Prairie View, TX), February 3, 2008.

- (10) MR 2 394 036 mathrev@ams.org
et : J CMP 2008 : 10
Grassmann, Winfried K. (3-SK-C; Saskatoon, SK)
Drekic, Steve (3-WTRL-S; Waterloo, ON)
Multiple eigenvalues in spectral analysis for solving QBD processes. EN(English summary)
Methodol. Comput. Appl. Probab. **10** (2008), no 1, 73- 83.
Reviewer: *Haghighi, Aliakbar Montazer*
051819 (Prairie View, TX) September 10, 2007.
- (11) MR 2 298 425 mathrev@ams.org
et : J CMP 2007 : 10
Li, Ji-hong (PRC-YSH-ECM; Qinhuangdao)
Tian, Nai-shuo (PRC-YSH; Qinhuangdao)
The discrete-time *GI/Geo/1* queue with working vacations and vacation interruption.
EN(English summary)
Adv. Math. Comput. 185 (2007), no 1, 1- 10.
Reviewer: *Haghighi, Aliakbar Montazer*
051819 (Prairie View, TX), August 13, 2007.
- (12) MR 2 265 249 mathrev@ams.org
et : J CMP 2007 : 4
Pekoz, Erol A. (1-BOST-MG; Boston, MA)
Blanchet, Jose (1-HRV-S; Cambridge, MA)
Heavy Traffic Limits Via Brownian Embedings
EN(English summary)
Probab. Engrg. Inform. Sci. **20** (2006), no 4, 595- 598.
Reviewer: *Haghighi, Aliakbar Montazer*
051819 (Prairie View, TX), June 26, 2007.
- (13) MR 2 246 957 mathrev@ams.org
et : J CMP 2007 : 6
Asmussen, Soren (DK-ARHS; Aarhus)
Kroese, Dirk P. (5-QLD; Brisbanc)
Improved algorithm for rate event simulation with heavy tails.
EN(English summary)
Adv. In Appl. Probab. 38 (2006), no 545- 558.
Reviewer: *Haghighi, Aliakbar Montazer*
051819 (Prairie View, TX), May 7, 2007.

- (14) MR 2 251 420 mathrev@ams.org
et: J CMP 2007
Bocharov, Pavel (RS-RPF-PTM; Moscow), D'Apiece, Ciro (I-SLRN-IE; Baronissi),
Pechinkin, Alexandre [Pechinikin, A. V.] (RS-AOS-IP; Moscow)
Product form solution for exponential G-networks with dependent service and completion of
service of killed customers.
EN(English summary)
Comput. Mang. Sci. **3** (2006), no. 3, 177-192. (Published online: 11 July 2006, Springer-
Verlag 2006)
Reviewer: *Aliakbar Montazer Haghighi*
0519 (Prairie View, TX), November 28, 2006.
- **International Journal of Production Research (IJPR)**
Special Issue on Modeling and Analysis of Outsourcing Decisions in Global Supply Chains
- (15) **Manuscript title:** Outsourcing with Quality Competition: Insights from a Three Stage
Game Theoretic Model
SIG# 222
Reviewed by: Aliakbar Montazer Haghighi
Date Reviewed: October 11, 2008.
- **Referee/reviewer for the International Journal of Engineering (IJE), <http://www.ije.ir>**
- (16) Analytical Study of Effect of Disorder on Dispersion in Steady Inertial Flows in Porous
effect, 132-08
Anil Kumar, C.L. Varshney and Sajjan Lal
Department of Mathematics, S. V. College Aligarh, UP, India 202001
Department of mathematics, Dronacharya College of Engineering, Greater Noida, UP, India
dranilkumar06@yahoo.co.in.
Reviewer: *Aliakbar Montazer Haghighi*, March 12, 2008.
- (17) OMS-06-209, Loss And Delay Queue With State Dependent Rates Under No Passing
Restriction And Discouragement, Madhu Jain and Pankaj Sharma
Department of Mathematics, Institute of Basic Science, Khandari, Agra-282002, India
sharma_ibspankaj@yahoo.co.in.
Reviewer: *Aliakbar Montazer Haghighi*, January 4, 2008.
- **Referee/reviewer for The First Conference on the Application of Mathematics in
Technical and Natural Sciences, AMiTaNS'09, Sozopol (Bulgaria), June 22–27, 2009,
Proceeding, published in American Institute of Physics.**
- (18) Endogenous timing in a differentiated duopoly, Fernanda A. Ferreira and Flavio Ferreira,
ID: 07, August 27, 2009.

- (19) Capacity choice under demand uncertainty, Fernanda A. Ferreira and Flavio Ferreira, ID: 06, August 27, 2009.
- **Referee/reviewer for Applications of Mathematics in Engineering and Economics, 34th International Conference, Sozopol (Bulgaria), 8–14 June 2008, Proceeding, published in American Institute of Physics.**
- (20) Oscillation Criteria in First Order Neutral Delay Impulsive Differential Equations with Constant Coefficients, M.B. Dimitrova and V.I. Donev, August 12, 2008
- **Referee/reviewer for Applications of Mathematics in Engineering and Economics, 33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007, Proceeding, published in American Institute of Physics.**
- (21) Spaces of Analytic Functions Having Representations by Series of Hermite Polynomials by Gurko I. Balikov and Ivan P. Dimitrov, August 17, 2007.
- (22) Oscillations of Some Equations and Inequalities of Second Order and Applications in Mechanics by Zornitca Petrova, August 17, 2007.
- **Referee/reviewer for Physica A: Statistical Mechanics and Its Applications (PHYSA by Elsevier, Main Editor: H. Stanley)**
- (23) Ms. Ref. No. PHYSA-D-07-00508
reviewersupport@elsevier.com
Analysis of Random Walks with an Absorbing Barrier and Chemical Rule
Author: Ahmed M. K. Tarabia
Reviewer: *Aliakbar Montazer Haghighi*, July 24, 2007.
- **Referee/reviewer for Applied Mathematical Modeling (AMM 4526), Wales, U.K.**
- (24) *Analyzing multiserver bulk-service finite-buffer queue*, by V. Goswami, S. K. Samanta, P. Vifaya Laxmi and U. C. Gupta, August 15, 2006.
- **Referee/reviewer for The special issue of the OMEGA on Logistics**
- (25) *Activity-based costing and reverse logistics management: an environmental protection perspective* by Wen-Hsein Tsai and Shin-Jieh Hung, June 22, 2006.
- **Referee/reviewer for The 6th ASME-JSME Thermal Engineering joint Conference (March 16-20, 2003, Hawaii)**
- (26) *A Method for reducing the errors in Fictitious Domain Methods Applied to Heat Transfer Problems* by Yanbing Li and Andre Benard, TED-AJ03-353, 10/8/2002.

- **Referee/reviewer for The International Institute for General System Studies (IIGSS) Conference**
- (27) *Serial-Parallel Distributed Detection Systems* by Zekeriya Aliyazicioglu.
- (28) • **Referee/reviewer for Senior papers in the Mathematics Department at Benedict College**
- **Referee/reviewer for The International Journal of Computers & Operations Research (COR). The following are selected recent reviews**
- (29) Processor shared service with queue dependent processor, by Madhu Jain, G. C. Sharma and Chandra Shekhar, December 19, 2002.
- (30) Making the Wait More Comfortable to Reduce Customer Reneging in Waiting Lines, by Jihong Ou and B. Madhu Rao, May 1, 2002, Revised paper August 7, 2002.
- (31) Using Minimal Cuts To Study The System Capacity For A Stochastic-Flow Network In Two-Commodity Case, revised, by Yi-Kuei Lin, April 9, 2002.
- (32) Performance analysis and buffer allocation in some open assembly systems, revised, by N. Hemachandra and E. Sarat Kumar, November 14, 2001.
- (33) Using Minimal Cuts To Study The System Capacity For A Stochastic-Flow Network In Two-Commodity Case, by Yi-Kuei Lin, September 7, 2001.
- (34) Performance analysis and buffer allocation in some open assembly systems, by N. Hemachandra and E. Sarat Kumar, August 13, 2001.
- (35) *Maximum Number of On-Time Jobs on Parallel Identical Machines*, by Avital Lann and Gur Mosheiov, March 28, 2001
- (36) *A Recursive Algorithm for Generating the Transition Matrices of Multistation Multiserver Exponential Reliable Production Lines*, by M. I. Vidalis and H. T. Papadopoulos, July 18, 1999.
- (37) *A Concurrent Processing Framework for the Set Partitioning Problem*, by Anito Joseph, January 11, 1999.
- (38) *The truncated hyperexponential service queues: $M/H_k/1/N$ with balking and reneging*, by A. I. Shawky and M. S. El-Paoumy, December 14, 1998.
- (39) *On a Batch Arrival Poisson Queue with a Random Setup Time and a Vacation Period*, revised edition, by Gautam Choudhury, July 18, 1997.

- (40) *Average Waiting Time of Customers in an M/D/1 Queue with Nonpreemptive Priorities* by Kemal Altinkemer, Indranil Bose, and Raktim Pal, January 22, 1997.
- (41) *A Note on Varying the Number of States in the Arrival Process of M/D/1 Queue* by Sun Hur, January 20, 1997.
- (42) *Finite Capacity Markovian Queue with Balking and Reneging* by G. V. Krishna Reddy, R. Nadarajan and K. Udaya Chandrika. May 6, 1996.
- (43) *Workload and Waiting Time in a Fixed-Time Loop System* by Jennifer Xie, Martin J. Fischer, and Carl M. Harris. April 15, 1996.
- (44) *A General Class of Control Operating Policy for an M/D/1 Queue with General Startup Time* by G. Choudhury, January 2, 1996.
- (45) *M/M/1 Time Sharing Queue With Balking And Nopassing*, by Madhu Jain and Prem Lata, May 31, 1994.
- (46) *A Queue with Instantaneous Trinomial Feedback Process*, by V. Thangaraj and A. Santhakumaran, May 17, 1993.
- (47) *Performance Analysis of a Two-Priority Queueing System with Group Services*, by S. Chakravarthy, January 4, 1993.

9. Research Guidance

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) Adviser 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.
- (2) Co-research adviser for Dana Debeau, graduate student at Prairie View A&M University, 2005-2007.
- (3) *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.
- (4) *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.

- (5) *Impact of the Million Man March on Black Owned Businesses: A Case Study*, Donovan 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 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, July 2007 - Present
- (4) South Carolina Academy of Science (SCAS), 1985 – Present

- **Previous memberships**

- (1) National Council of Teachers of Mathematics (NCTM), 2006 – 2009
- (2) Council on Undergraduate Research, January 27, 1997 – 2009
- (3) Association for Supervision and Curriculum Development (ASCD), 2000 - 2004
- (4) Texas Association of College Teachers (TACT), 2003 – 2004
- (5) National Council of Teachers of Mathematics (NCTM), 1998 – 2004
- (6) The Scientific Research Society (Sigma XI), 1996 - 1999
- (7) Mathematical Association of America (MAA)
- (8) Operation Research of America (ORSA)
- (9) Iranian Mathematical Society (IMS)
- (10) 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, Robert Noyce**

- Teacher Scholarship Program Workshop**, January 29 – 30, 2010, Palomar Hotel, Washington, DC.
- (2) **Workshop for Department Chairs and Department Leaders**, American Mathematical Society, January 12, 2010, Moscone Center West, San Francisco, CA.
 - (3) **Workshop for Department Chairs and Department Leaders**, American Mathematical Society, January 4, 2009, Marriot Wardman Park Hotel, Washington, DC.
 - (4) **Learning Community Two-Day Institute, May 21 – 22, 2008**. Prairie View A&M University, Northwest Campus, Houston, Texas.
 - (5) **Workshop for Department Chairs and Leaders**, American Mathematical Society, January 5, 2008, Marriot Hotel & Marina, San Diego, CA.
 - (6) **Workshop for Department Chairs and Leaders**, American Mathematical Society, January 4, 2007, Marriot Hotel, New Orleans, LA.
 - (7) **Texas Association of Academic Administrators in the Mathematical Sciences (TAAAMS)**, October 6 - , 2006, Baylor University, Waco, Texas.
 - (8) 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.
 - (9) 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.
 - (10) 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.
 - (11) Participated in the **Workshop for Department Chairs and Department Leaders**, January 11, 2006, San Antonio, Texas.
Participated in the **Quality Education for Minorities (QEM) Network, Teacher Continuum Information and Technical Assistance Workshop**, May 6, 2005, Marriott Hotel, Washington, DC.
 - (12) Participated in the “**MathWorks Tools for Life Science**” seminar/workshop sponsored by Mathworks, Inc., November 13, 2003, Baylor College of Medicine, Houston, TX
 - (13) 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.
 - (14) 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.
 - (15) Successfully completed a **Teaching and Learning on the Web** training/workshop, February 11, 2002, Benedict College, Columbia, SC.
 - (16) 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.
 - (17) 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.

- (18) 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.
- (19) 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.
- (20) Participated in the **ACT Workshop: Improving Students' Transition to College**. Columbia, SC, December 5, 1996. Attendant.
- (21) Participated in the **Evaluating College Faculty Workshop** conducted by Kansas State University, Myrtle Beach, South Carolina, summer of 1993.

13. Course Developed and Workshop Conducted

- (1) **Developing** 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 collaborating in this effort. The course will be offered in the fall 2008 for engineer majors for the first time. The contents are to be published as a book by Nova Publishers, Inc.
- (2) 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.
- (3) 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.
- (4) **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.
- (5) **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.
- (6) **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.
- (7) **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.
- (8) **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.
- (9) The South Carolina Academy of Science Junior Academy (Midlands MESAS) **Fall Workshop**, Benedict College, October 24, 1998. Conducted two workshops on statistics.

- (10) **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.
- (11) 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.
- (12) **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) 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.
- (2) 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.
- (3) Applications of Mathematics in Engineering and Economics, 33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007.
- (4) 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.
- (5) Texas Association of Academic Administrators in the Mathematical Science, October 6-7, 2006, Waco, Texas.
- (6) 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.
- (7) 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.
- (8) Mathematics Department Colloquium, April 4, 2005, A Queueing System with Delayed-Service, Prairie View A&M University, Prairie View, TX.
- (9) 5th Annual Chancellor's Invitational Conference for the Academy for Educator Development, June 24 – 26, 2004, Houston, TX.
- (10) 30th Jubilee International Conference on Application of Mathematics in Engineering and Economics, June 7 – 12, 2004, Sozopol, Bulgaria.
- (11) AMS VI Joint International Meeting, May 13 – 15, 2004, Houston, TX.
- (12) The Joint Meeting of AMS and MAA, San Diego, California, January 6-9, 2002.

- (13) The Annual Meeting of the Society for Industrial and Applied Mathematics (SIAM), San Diego, CA, July 9 - 13, 2001.
- (14) The Joint Meeting of AMS and MAA, New Orleans, Louisiana, January 9-12, 2001.
- (15) The Annual Meeting of the South Carolina Academy of Science. Lander University, Greenwood, SC, April 30, 1999.
- (16) Living the Questions, The University of South Carolina (USC) teacher-Researcher Conference. USC College of Education, September 26, 1998.
- (17) Annual Meeting of the SCAS. Clemson University, Clemson, SC, March 20, 1998.
- (18) The International Institute for General Systems Studies, The Second Workshop. Southwest Texas State University, San Marcos, TX, January 9 - 11, 1997.
- (19) Annual Meeting of the SCAS. Charleston, SC, March 29, 1996.
- (20) International Conference on Applied Probability and Time Series Analysis, Athens, Greece, March 22-26, 1995.
- (21) 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.
- (22) The Annual Meeting of the Society for Industrial and Applied Mathematics (SIAM), Philadelphia, Pennsylvania, July 12-16, 1993.
- (23) The Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Columbia, S. C., 1993.
- (24) 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.
- (25) The twenty-fifth Annual Winter Simulation Conference (WSC), Arlington, VA, December 13-16, 1992.
- (26) The Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Coastal Carolina College, Conway, S. C., 1992.
- (27) The Second International Conference on Applied Mathematics and Industry (ICIAM), Washington, DC, 1991.
- (28) The Annual meeting of the Statistical Society of Canada (SSC), University of Toronto, Toronto, Ontario, Canada, 1991.
- (29) The Annual Meeting of the South Carolina Academy of Science, University of South Carolina at Spartanburg, SC, 1991.
- (30) Twentieth Annual Pittsburgh conference on Modeling and Simulation, University of Pittsburgh, Pittsburgh, Pennsylvania, 1989.
- (31) Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Columbia, SC, 1989.
- (32) The Annual Meeting of the South Carolina Academy of Science, South Carolina State University, Orangeburg, SC, 1988.
- (33) The 60th Annual Meeting of the South Carolina Academy of Science, University of South Carolina, Columbia, South Carolina, 1987.
- (34) 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) **Session Chair** for CP17, 2008 SIAM Annual Meeting, San Diego, California, July 10, 2008.
- (2) **Keynote Speaker**, Applications of Mathematics in Engineering and Economics, 33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007.
- (3) **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.
- (4) SIAM Parallel Processing for Scientific Computing, San Francisco, CA, 2/22 – 24, 2006. **Chaired the Session** on Scheduling, CP14.
- (5) The Annual Meeting of the Society for Industrial and Applied Mathematics (SIAM), Atlanta, GA, May 11 - 16, 1999. **Exhibitor**.
- (6) The 77th Annual Meeting of the National Council of Teachers of Mathematics (NCTM). San Francisco, California, April 22 - 24, 1999. **Presider**.
- (7) 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**.
- (8) 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**.
- (9) Department of Mathematics, Kent State University, Kent, Ohio, 1986. Guest Speaker.
- (10) Annual Conferences of the Iranian Mathematical Society 1969-1972, 1976-1980. **Chair of a Session and Presenters**.

16. Professional Conference Participation

- (11) **The 19th Keck Center Annual Research Conference**, University of Texas, M. D. Anderson, Houston, Texas, October 29 – 30, 2009
- (12) **9th Annual Texas A&M Assessment Conference**, College Station, Texas, February 22 – 24, 2009.
- (13) **Annual Peer Learning network Convening of Partnership Sites** (Project XLR8 TEAM), Prairie View A&M University, November 16 – 18, 2008.
- (14) **World Congress on Engineering and Computer Science** (WCECS), IAENG International Association of Engineers, University of California, Berkley, October 22 – 24, 2008.
- (15) Participated in the **American Mathematical Society's Conference on Science Policy Forum**, March 6 – 8, 2008, Embassy Suites Hotel, Washington, DC.
- (16) Participated in the **National Council of Teachers of Mathematics (NCTM)'s Conference**, November 29, 2008, Houston, TX.
- (17) Participated in the **American Mathematical Society's Committee on Education (COE) Annual Meeting**, by invitation, 10/25 - 27/2007, Embassy Suites Hotel, Washington, DC.
- (18) Texas **Statewide Educational Summit**, February 16, 2007, Hyatt Regency Hotel, Austin, Texas.

- (19) Participated in an audio conference **Building Bridges Between Academic Affairs and Student Affairs** facilitated by Dr. Lucy Croft & Dr. Mitchel Livingston, April 25, 2006, Prairie View A&M University, Texas.
- (20) Participated in the 50 Years of **Alternating Direction Methods: Celebrating the Contributions of Jim Douglas**, 11/4 - 5/2005, Rice University, Houston, TX .
- (21) Participated in the **American Mathematical Society's Committee on Education Annual Meeting**, by invitation, 10/27 - 29/2005, Washington, DC .
- (22) Participated in the **American Mathematical Society's Conference on Science Policy Forum**, April 7 – 9, 2005, Embassy Suites Hotel, Washington, DC.
- (23) Participated in the **Fourth Annual Chancellor's Invitational Conference**, Texas A&M University System Institute for School-University Partnership, June 12 – 14, 2003, Houston, TX.
- (24) Participated in the Academy for Education Development conference, **Member Appreciation Day**, March 25, 2003, Houston, TX.
- (25) Participated in the Governor's Conference 2002 on **Science, Technology & Mathematics Education**, November 17 – 19, 2002, Austin, TX.
- (26) The National Science Foundation PI/PD Meeting of HRD Diversity – Focus Programs: HBCU-UP, LSAMP, CREST, and AGEP, Arlington, Virginia, March 25 – 26, 2002. PI/PD Participant.
- (27) Program Exposition Day, Global Institute for Energy and Environmental Systems (GIEES), University of North Carolina, Charlotte, October 16, 2001.
- (28) The UNCF/Mellon Mentors and Coordinators Annual Conference in Nashville, TN, October 4 – 5, 2001. Mentor Participant.
- (29) Thirteenth IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS), Anaheim, CA, August 21 – August 24, 2001.
- (30) The National Science Foundation PI/PD Meeting of HRD Diversity – Focus Programs: HBCU-UP, LSAMP, CREST, and AGEP, Arlington, Virginia, March 26 – 27, 2001. Co-PI/PD Participant.
- (31) Participated in the UNCF/Mellon Mentors and Coordinators Annual Conference in Washington, DC, October 12 – 13, 2000. Mentor.
- (32) The South Carolina Network for Educational Renewal (SCNER) Task Force on General Education meeting. Columbia College, Columbia, South Carolina, April 21, 1998. Invited.
- (33) Department of Statistics Colloquiums, University of South, Carolina, 1985-Present.
- (34) Independent Colleges and Universities of South Carolina Student/Faculty Research Program's Symposium, Furman University, Greenville, SC, November 19, 1997. Invitee. (Accompanied my students who made research presentations.)
- (35) American Society for Quality Control, Columbia Section 1102. University of South Carolina, Columbia, SC, November 12, 1997. Invited. (Accompanied five students.)
- (36) The Symposium on Computing at minority Institutions, Association of Computer and Information Science/Engineering Departments at Minority Institutions (ADMI). Sponsored by ADMI, Howard University, Center for Computing Research and Development, University of Puerto Rico - Mayaguez Campus, Department of Electrical and Computer Engineering (CECORD), and University of Kentucky. Hyatt - Capitol Hill, Washington, DC May 29 - June 1, 1997.

- (37) Twenty-seventh Annual Meeting of the South Carolina Chapter, American Statistical Association. University of South Carolina, Swearingen Engineering Center. Friday, April 25, 1997.
- (38) The Joint Meeting of AMS and MAA, San Diego, California, January 8-11, 1997. (Only the first day)
- (39) The Fifth Consortium National Conference. San Diego, California, January 5-7, 1997. (Accompanied two students and a teacher along also as invited guests, students made presentations).
- (40) American Society for Quality Control, Columbia Section 1102. University of South Carolina, Columbia, SC, November 12, 1996. Invited Participant, accompanied three students
- (41) The National Association of African American Honors Programs annual Conference. Columbia, South Carolina, October 18 - 20, 1996. Invited
- (42) Twelfth Annual meeting of the South Carolina Chapter, American Statistical Association, University of South Carolina, Columbia, South Carolina, 1990.
- (43) The Annual Meeting of the American Mathematical Society, Atlanta, GA, 1987.
- (44) Conference on Lattice Paths, McMaster University, Hamilton, Ontario, Canada, 1984.
- (45) Fourth Australian Statistical Conference, Canberra, Australia, 1978.
- (46) The Annual Meeting of the Mathematical Association of America, Montreal, Canada, 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 2005-2009 by Dean Dr. Danny R. Kelley each was "Excellent".

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, MATHEMATICA, MINITAB, and MAPLE on different contexts, especially for research and teaching. For word-processing: Microsoft Word.

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 nation wide. 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) Co-PI, PVAMU Site, Integrated Undergraduate Research Experiences in Biological and Mathematical Sciences (UBM), NSF, 1,200,000, Starting Summer 2010, (Pending)
- (2) Co-PI, Building Enhanced Achievement in Mathematics and Science (BEAMS):A Putting Physics First. Funding Requested from NSF: \$10,210,216, June 1, 2010 – May 31, 2015, (pending)

- (3) 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.
- (4) 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.
- (5) I was one of the faculty members of a planning grant proposal to AMOCO. The proposal was submitted in 9/14/88 for the amount of \$15,000.

23. Funded Grant Proposals

Data	Source	Amount	Proposal Title	With
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>	
03/12/2003	National Science Foundation, Title III	\$ 58,300	<i>Enhancement of the Mathematics Research Environment for Faculty and Students</i>	Dr. Lian
03/29/2002	US Department of Education	\$ 299,994	<i>Minority Science and Engineering Improvement (MSEIP), Instructional, CFDA 84.120A</i>	Dr. Mbamalu
02/21/2002	UNCF/Mellon Programs	\$ 15,000	<i>Undergraduate Fellowship Mentor for Curtis Lane</i>	Dr. Ming Yin
06/15/2001	National Science Foundation	\$ 56,431	<i>HBCU-UP Planning Grant Proposal</i>	Dr. J. Scott
02/21/2000	UNCF/Mellon Programs	\$ 15,000	<i>Undergraduate Fellowship Mentor for Kristan McGresham</i>	Dr. Ming Yin
02/16/1998	ICUSC	\$ 2,500	<i>Efficiency of the "Working Together Project", Faculty Sponsored Research</i>	A. Bouelet
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
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
10/31/1996	Center for Comp. Sci. and Adv. Distributed Simulation, University of Houston-Downtown, TX	Unspecified	<i>Visiting Scientist Program</i>	
03/01/1996	NSF	\$ 200,997	<i>Benedict Precollege Statistics Project (BP STAT): Increasing access to Science and Mathematics</i>	
02/15/1996	ICUSC	\$ 1,400	<i>Benedict College Students Academic Performance Analysis, Faculty Sponsored Research</i>	L. Davis
10/03/1995	Sponsors Program, Benedict	\$ 2,400	<i>Service Learning Project</i>	
01/28/1994	Mathematical association of America	\$ 4,960	<i>Planning Grant for High School Students Mathematics</i>	Dr. D. Brekke
01/05/1993	Sponsors Program, Benedict	\$ 2,074	<i>What Mathematics Should Undergraduates Learn</i>	