

VITA
Aliakbar Montazer Haghghi

1. Personal Information

- **Telephone:** Office: (936) 261-1975 (O)
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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

- September 1, 2002 – Present Tenured Professor and Head of Mathematics Department Prairie View A&M University, Prairie View, Texas
- 1993 – 2002 Tenured Professor 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
- Summer 1984 Visiting Scientist McMaster University, Hamilton, Ontario, Canada

4. Academic Administrative Experience

- **At Prairie View A&M University (Selected)**
 - 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
 - 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
- **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**
Served on numerous College's key committees from 1985 through 2002.

5. Honors (Selected)

- **Editors-in-Chief** and one of the two **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>
- **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>
- Winner of **Excellence In Research Award**, Department of Mathematics, September 2007.
- **Board of Review member**, International Journal of Engineering, Iran, since March 2008.
- 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.
- Have been included in the 2008 – 2009 **Honor Edition** of **Who's Who Among Executives and Professionals**.
- Have been included in the 2009 Edition of **Who's Who in America**, the 110th Edition of Marquis who's Who.
- Have been included in the 10th Annual Edition of **Who's Who Among America's Teachers, 2005-2006**, September 2006, 2004.
- Have been twice included in the **Who's Who in America**, 1989 and 1996 and nominated to be included in the November 2003 issue.
- Have been selected to be included in the 2004 – 2005, 9th Edition of the **United Who's Who**.
- 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.
- 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.

6. Publications

- **Books/Lecture Notes Publications (Selected)**
 - **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 2009.
 - **Aliakbar Montazer Haghighi**, and Dimitar P. Mishev, *Queuing Models in Industry and Business*. Nova Science Publishers, Inc., a New York corporation, 2008.
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 - **A. Montazer Haghighi**, *Theory of Functions of a Complex Variable* (three editions), Institute of Statistics and Informatics, Tehran, Iran, 1976.
 - **A. Montazer Haghighi**, *Axiomatic System and Axiomatic Set Theory*, Institute of Statistics and Informatics, Tehran, Iran, 1973.
- **Referred Publications (Selected)**
 - **Aliakbar Montazer Haghighi** and Mohammed A. Shayib, *Shrinkage Estimators for Calculating Reliability, Weibull Case*. To appear in the Journal of Applied Statistical Science (JASS), 2009.
 - **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. 3, 2009.
 - **Aliakbar Montazer Haghighi**, 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.
 - **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.
- **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.
 - **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.
 - **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.
 - 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.
 - **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.
 - **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.
 - 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.
 - Stephen D. Durham, Nancy Flournoy, **Ali A. Montazer Haghighi**, *Up-and-Down Designs*. [Computing and Statistics: Interface](#), Vol. 25, pp. 375-384, 1993.
 - 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.
 - **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.

7. Referee/Reviewer (Selected)

- Referee/reviewer for NTCM (National Council for Teachers of Mathematics) Journal of Research in Mathematics Education (jrme@ntcm.org):
- Referee/reviewer for AMS (American Mathematical Society) Mathematical Review (416 Fourth St., P.O. Box 8604, Ann Arbor, MI 48107-8604, USA):
- International Journal of Production Research (IJPR)
Special Issue on Modeling and Analysis of Outsourcing Decisions in Global Supply Chains
- Referee/reviewer for the International Journal of Engineering (IJE), <http://www.ije.ir>,
- Referee/reviewer for The International Journal of Computers & Operations Research (COR). The following are selected recent reviews

8. Professional Memberships

- **Current memberships**
 - The Society for Industrial and Applied Mathematics (SIAM), Lifetime Member since 2005
 - American Mathematical Society (AMS), Lifetime Member since 2006
 - Council on Undergraduate Research, January 27, 1997 – Present
 - International Society of Difference Equations, July 2007 - Present
 - National Council of Teachers of Mathematics (NCTM), 2006 – 2009
 - South Carolina Academy of Science (SCAS), 1985 – Present

9. Course Developed and Workshop Conducted

- **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.

10. Professional Conference Participation as a Guest Speaker, Keynote Speaker, Chair, Presider, Moderator, or Exhibitor: (Selected)

- **Session Chair** for CP17, 2008 SIAM Annual Meeting, San Diego, California, July 10, 2008.
- **Keynote Speaker**, Applications of Mathematics in Engineering and Economics, 33rd International Conference, Sozopol (Bulgaria), 8–14 June 2007.
- **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.
- SIAM Parallel Processing for Scientific Computing, San Francisco, CA, 2/22 – 24, 2006. **Chaired the Session** on Scheduling, CP14.

11. Grant Proposals: Proposals funded (Selected)

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</i>	L. Brown
03/01/1996	NSF	\$ 200,997	<i>(BP STAT): Increasing access to Science and Mathematics</i>	
02/15/1996	ICUSC	\$ 1,400	<i>Students Academic Performance Analysis</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>	