

CURRICULUM VITAE
Dimitar P. Michev
Department of Mathematics
Prairie View A&M University

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Education

M.S. in Mathematics, Sofia University, Sofia, Bulgaria, 1972-1977

Ph.D. in Mathematics, Sofia University, Sofia, Bulgaria, 1989

Employment

1. Prairie View A&M University, Prairie View, Texas, Professor of Mathematics, September 2013-Present.
2. Prairie View A&M University, Prairie View, Texas, Associate Professor of Mathematics (with tenure), September 2007-September 2013.
3. Prairie View A&M University, Prairie View, Texas, Assistant Professor of Mathematics, September 2001-September 2007.
4. Southern Illinois University at Carbondale, Carbondale, Illinois, Department of Mathematics, Lecturer, 1999-2001.
5. Claremont University Center, Claremont, California, Web Writer, 1998-1999.
6. Technical University of Sofia, Sofia, Bulgaria, Associate Professor and Head of Department of Differential Equations, 1993-1998.
7. Technical University of Sofia, Sofia, Bulgaria, Associate Professor of Mathematics, 1991-1993.
8. Technical University of Sofia, Sofia, Bulgaria, Assistant Professor of Mathematics, 1985-1991.
9. Institutes for Foreign Students, Sofia, Bulgaria, Assistant Professor of Mathematics, 1978-1985.
10. Central Institute of Computer Engineering, Sofia, Bulgaria, Researcher-Mathematician, 1977-1978.

LIST of PUBLICATIONS:

(i) Research Monographs

1. Aliakbar Montazer Haghighi, and Dimitar P. Mishev, [Stochastic Modeling in Industry and Management](#), Chapter 7 of a Modeling and Simulation in Industrial Engineering., Mangey Ram and J. P. Davim, Editors, Springer, 2017.
2. [A.M. Haghighi, D.P. Mishev, Delaed and Network Queues](#), John Wiley & Sons, Inc., NJ, 2016, ISBN 978-1-119-02213-8.
3. A. M. Haghighi, D. P. Mishev, Queueing Models in Industry and Business, 2nd edition, Nova Science Publishers, Inc., New York, 2014, ISBN 978-1-62618-889-1, https://www.novapublishers.com/catalog/product_info.php?products_id=42055&osCsid=50653d8a4aedc23a9524d9a17fd25e73
4. A.M. Haghighi, D.P. Mishev, Difference and Differential Equations with Applications in Queueing Theory, John Wiley & Sons, Inc., NJ, 2013, ISBN 978-1-118-39324-6. <http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118393244.html>
5. A. M. Haghighi, Jian-ao Lian, D. P. Mishev, Advanced Mathematics for Engineers with Applications in Stochastic Processes, Nova Science Publishers, Inc., New York, Revised Edition, 2012, ISBN 978-1-62257-610-4. https://www.novapublishers.com/catalog/product_info.php?products_id=36626
6. A. M. Haghighi, Jian-ao Lian, D. P. Mishev, Advanced Mathematics for Engineers with Applications in Stochastic Processes, Nova Science Publishers, Inc., New York, 2010, ISBN 978-1-62257-610-4. https://www.novapublishers.com/catalog/product_info.php?products_id=12126
7. A. M. Haghighi, D. P. Mishev, Queueing Models in Industry and Business, Nova Science Publishers, Inc., New York, 2008, ISBN 978-1-60456-189-0, https://www.novapublishers.com/catalog/product_info.php?products_id=6608&osCsid=50653d8a4aedc23a9524d9a17fd25e73
8. D. D. Bainov, D. P. Mishev, Oscillation theory of operator-differential equations, World Scientific, Singapore, New Jersey, London, Hong Kong, 1995, ISBN 9-8102-1100-7.
9. D. D. Bainov, D. P. Mishev, Oscillation theory for neutral differential equations with delay, Adam Hilger, Bristol, Philadelphia, New York, 1991, ISBN 0-7503-0142-2.

(ii) Refereed Journals

10. 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.

11. A.M.Haghighi, D.P.Michev, Busy Period of a Single-server Poisson Queueing System with Splitting and Batch Delayed-Feedback, International Journal of Mathematics in Operational Research, [International Journal of Mathematics in Operational Research](#) , Volume 8, Issue 2, 2016, 239-257
12. A.M. Haghighi, D. P. Mishev, Stochastic three-stage hiring model as a tandem queueing process with bulk arrivals and Erlang phase-type selection, $M^X / M^{(k,K)} / 1 - M^Y / E, 1 - \infty$, [International Journal of Mathematics in Operational Research](#), Volume 5, Issue 5, 2013, 571-603.
13. A. M. Haghighi, D. P. Mishev, S. S. Chukova, Single-server Poisson Queueing System with Splitting and Delayed-Feedback: Part I, [International Journal of Mathematics in Operational Research](#), Volume 3, Issue 1, 2011, 1-21.
14. A. M. Haghighi, D. P. Mishev, Analysis of a Two-node Task-Splitting Feedback Tandem Queue with Infinite Buffers by Functional Equation, [International Journal of Mathematics in Operational Research](#), Volume 1, Issue 1 / 2, 2009, 246 - 277.
15. A. M. Haghighi, D. P. Mishev, S. S. Chukova, A Single-server Poisson Queueing System with Delayed-Service, [International Journal of Operations Research](#), Volume 3, Issue 4, 2008, 363-383.
16. A. M. Haghighi, D. P. Mishev, A Tandem Queueing System with Task-Splitting, Feedback, and Blocking, [International Journal of Operations Research](#), Volume 2, Issue 2, 2007, 208-230.
17. D. P. Mishev, S. M. Musa, Distribution of the zeros of the solutions of hyperbolic differential equations with “maxima”, [Rocky Mountain Journal of Mathematics](#), Volume 37, Issue 4, 2007, 1271- 1281.
18. A. M. Haghighi, D. P. Mishev, A Parallel Priority Queueing System with Finite Buffers, [Journal of Parallel and Distributed Computing](#), Volume 66, Issue 3, March 2006, 379-392.
19. M. B. Dimitrova, D. P. Mishev, Oscillation of the Solutions of Neutral Impulsive Differential-Difference Equations of First Order, [Electronic Journal of Qualitative Theory of Differential Equations](#) , No. 16, (2005), 1-11.
20. Z. A. Petrova, D. P. Mishev, On the Zeros of the Solutions to Nonlinear Hyperbolic Equations with Delays, [Pliska Stud. Math. Bulgar.](#), 15 (2003), 189-200.
21. D. P. Mishev, W. T. Patula, H. D. Voulou, Periodic coefficients in a reciprocal difference equation with maximum, [Pan American Mathematical Journal](#), 13 (2003), No. 3, 43-57.
22. D. P. Mishev, W. T. Patula, H. D. Voulou, On the reciprocal difference equation with maximum, [Computers and Mathematics with Applications](#), 43 (2002), No. 8/9, 1021-1026.
23. D. P. Mishev, W. T. Patula, Oscillation and global asymptotic stability, [Journal of Mathematical Analysis and Applications](#), 252 (2000), 364-375.
24. D. P. Mishev, Z. A. Petrova, On the zeros of solutions to nonlinear hyperbolic equations with constant deviations, [C. R. Acad. Bulgare Sci.](#), 52 (1999), No. 1-2, 17-20.
25. D. P. Mishev, D. D. Bainov, Oscillation of the solutions of nonlinear hyperbolic equations of neutral type, [Publicacions Matematicques](#), 36 (1992), No. 1, 3-18.

26. D. P. Mishev, Oscillation of the solutions of nonlinear parabolic equations of neutral type, [Houston Journal of Mathematics](#), 18 (1992), No 2, 259-269.
27. D. P. Mishev, D. D. Bainov, A necessary and sufficient condition for oscillation of neutral type hyperbolic equations, [Journal of Computational and Applied Mathematics](#), Vol. 42, (1992), No. 2, 215-220.
28. D. P. Mishev, Oscillation of the solutions of neutral type hyperbolic differential equations, [Math. Balkanica \(N.S.\)](#), 5 (1991), No 2, 121-128.
29. D. P. Mishev, Necessary and sufficient conditions for oscillation of neutral type parabolic differential equations, [C. R. Acad. Bulgare Sci.](#), 44 (1991), No 3, 11-14.
30. D. P. Mishev, Oscillation of the solutions of hyperbolic differential equations of neutral type with “maxima”, *Godishnik Vissh. Uchebn. Zaved. Prilojna Mat.* 25 (1989), No. 2, 9-18.
31. D. P. Mishev, Oscillation of the solutions of parabolic differential equations of neutral type with “maxima”, *Godishnik Vissh. Uchebn. Zaved. Prilojna Mat.* 25 (1989), No. 2, 19-28.
32. D. P. Mishev, D. D. Bainov, Oscillation of the solutions of parabolic differential equations of neutral type, [Applied Mathematics and Computation](#), 28 (1988), No. 2, 97-111.
33. D. P. Mishev, D. D. Bainov, Oscillation properties of the solutions of hyperbolic equations of neutral type. *Differential equations: qualitative theory*, Vol. I, II (Szeged, 1984), 771-780, [Colloq. Math. Soc. Janos Bolyai](#), 47, North-Holland, Amsterdam-New York, 1987.
34. D. P. Mishev, Oscillatory properties of the solutions of hyperbolic differential equations with “maximum”, [Hiroshima Mathematical Journal](#), 16 (1986), No. 1, 77-83.
35. D. P. Mishev, D. D. Bainov, Oscillation properties of the solutions of a class of hyperbolic equations of neutral type, [Funkcialaj Ekvacioj](#), 29 (1986), No.2, 213-218.
36. D. P. Mishev, D. D. Bainov, Some properties of nonoscillating solutions of functional-differential equations of n-th order, [Rend. Circ. Mat. Palermo \(2\)](#), 35 (1986), No. 2, 233-243.
37. D. P. Mishev, Strong equilibrium in a differential positional game, *Godishnik Vissh. Uchebn. Zaved. Prilojna Mat.* 21, (1985), No. 1, 49-60.
38. N. V. Stoyanov, D. P. Mishev, Strong equilibria in a two-person differential game, *Godishnik Vissh. Uchebn. Zaved. Prilojna Mat.* 21 (1985), No. 1, 39-48.
39. D. P. Mishev, D. D. Bainov, Asymptotic behavior of the nonoscillating solutions of functional-differential equations of n-th order, [Math. Rep. Toyama Univ.](#), 6 (1983), 83-93.
40. N. V. Stoyanov, D. P. Mishev, Properties of nonoscillating solutions of higher-order differential equations with deviating argument. *Godishnik Vissh. Uchebn. Zaved. Prilojna Mat.* 18 (1982), No. 1, 9-22.

(iii) Textbooks

41. D. Mishev, L. Karandjoulov, *Partial differential equations and integral equations* (Bulgarian), Technical University of Sofia, 1997.

42. D. Mishev, H. Voullov, Exercise book on ordinary differential equations (Bulgarian), Technical University of Sofia, 1992.
43. D. Milkov, D. Mishev, H. Voullov, Exercise book on mathematics for Olympiads at the Institute for Foreign Students (Bulgarian), Sofia, 1984.

(iv) Technical Reports

44. A.M. Haghighi, D.P. Mishev, A Two-node Task-Splitting Feedback Tandem Queueing System with Infinite Buffers, Department of Mathematics, Technical Report, Prairie View A&M University, MDTRS No.8, April 16, 2007, ISSN: 1933-1746
45. A. M. Haghighi, D. P. Mishev, S. S. Chukova, A Single-server Poisson Queueing System with Delayed-Service, Department of Mathematics, Technical Report, Prairie View A&M University, MDTRS No. 1, September 1, 2006, 1 – 19.

(v) Abstracts of Papers Presented in Conferences

46. Aliakbar M. Haghighi, Stefanka S. Chukova, and Dimitar P. Mishev, A Single-server Poisson Queueing System with Splitting and Delayed Batched Feedback (Case $k=N=1$), Joint Mathematics Meetings of AMS, SIAM and MAA, Washington, DC, January 5-8, 2009, 1046-60-833.
47. Aliakbar M. Haghighi, Dimitar Mishev, An Infinite-Buffers Tandem Queueing System, 2008 SIAM Annual meeting, July 7-11, 2008, CP17.
48. Aliakbar M. Haghighi, 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.
49. Aliakbar M. Haghighi, Dimitar P. Mishev, A Parallel Priority Queueing System with Balking and Reneging, 2006 SIAM Conference on Parallel Processing for Scientific Computing, San Francisco, CA, February 22-24, 2006.
50. Aliakbar M. Haghighi, Dimitar P. Mishev, Busy Period of a Delayed Service M/M/c Queueing System, Joint Mathematics Meetings, AMS-MAA, San Antonio, TX, January 12-15, 2006.
51. Aliakbar M. Haghighi, Dimitar P. Mishev, Analysis of a Conveyor Model Viewed as a Priority Queueing System with Finite Buffers, Sixth Joint International AMS–SMM Meeting, Houston, TX, May 13 – 15, 2004.
52. Dimitar P. Mishev, William T. Patula, Hristo D. Voullov, Periodic solutions of a difference equation with maximum, Joint Mathematics Meetings, AMS-MAA, San Diego, CA, January 6-9, 2002.
53. Dimitar P. Mishev, William T. Patula, Oscillation and Global Asymptotic Stability, Joint Mathematics Meetings, AMS-MAA, New Orleans, LA, January 10-13, 2001.

(vi) Proceedings of the Conferences

54. A. M. Haghighi, D. P. Mishev, Tandem blocking queueing system with task-splitting and feedback, Applications of Mathematics in Engineering and Economics,

- Proceedings of the 30th Jubilee International Conference, June 2004, Sozopol, 201-204, *ISBN 954-9725-98-7*.
55. Z. A. Petrova, D. P. Mishev, Oscillations of nonlinear hyperbolic equations with several neutral addends, Applications of Mathematics in Engineering and Economics, Proceedings of the 30th Jubilee International Conference, June 2004, Sozopol, 147-152, *ISBN 954-9725-98-7*.
 56. S. M. Musa, D. P. Mishev, Some sufficient conditions for oscillation of symmetric cellular neural networks with delay, Applications of Mathematics in Engineering and Economics, Proceedings of the 30th Jubilee International Conference, June 2004, Sozopol, 136-139, *ISBN 954-9725-98-7*.
 57. A. M. Haghighi, D. P. Mishev, An Ordered Entry Queueing System, Application of Mathematics in Engineering and Economics, Proceedings of the 29th International Summer School, June 2003, Sozopol, 202-212, *ISBN 954-18-0329-6*.
 58. Z. A. Petrova, D. P. Mishev, Oscillatory properties of third order neutral hyperbolic equations, Application of Mathematics in Engineering and Economics, Proceedings of the 29th International Summer School, June 2003, Sozopol, 93-98, *ISBN 954-18-0329-6*.
 59. N. Kouhestani, D. P. Mishev, W. T. Patula, H. D. Voulou, Oscillation of first order neutral difference equations, Application of Mathematics in Engineering and Economics, Proceedings of the 28th International Summer School, June 2002, Sozopol, 114--121, *ISBN 954-18-0301-6*.
 60. Z. A. Petrova, D. P. Mishev, Oscillation properties of the neutral Timoshenko beam equation, Applications of Mathematics in Engineering, Proceedings of the 24th Summer School, June 1998, Sozopol, 74-76, *ISBN 954-580-057-7*.
 61. D. P. Mishev, Z. A. Petrova, Oscillation properties of a class of nonlinear hyperbolic equations with constant deviations, Applications of Mathematics in Engineering, Proceedings of the 23th Summer School, June 1997, Sozopol, 85-87, *ISBN 954-580-043-7*.
 62. N. V. Stoyanov, D. P. Mishev, The oscillation of the solutions of a class of functional-differential equations. Differential equations and applications, I, II (Ruse, 1985), 405-408, "Angel Kanchev" Tech. Univ., Ruse, 1987.
 63. D. P. Mishev, On the oscillation of the solutions of hyperbolic differential equations with "maxima", X International Conference on Nonlinear Oscillations, Varna, 1984, 389-392.

Research Interests:

- Functional differential equations, differential equations with delay, difference equations, oscillation theory, asymptotic behavior of the solutions, dynamical systems.
- Queueing Theory.
- Partial differential equations, nonlinear evolution equations, local and global existence and qualitative properties of the solutions.

Author Citations

More than 167 citations from 147 authors have been recorded on my publications (the web site of the American Mathematical Society)

<https://mathscinet.ams.org/mathscinet/mrcit/individual.html?mrauthid=195664>

Awards and Honors

- Associated Editor and Editorial Board Member of the Applications and Applied Mathematics: An International Journal (AAM), an online journal established in April 2005.
- Received the Excellence in Publications and Research Award given by the Department of Mathematics, Prairie View A&M University, 2016 – 2017.
- Received the Outstanding Research Award given by the Department of Mathematics, Prairie View A&M University, 2013 – 2014.
- A recipient of The Texas A&M University System Teaching Excellence Award, Fall 2009.
- Certificate of Appreciation in Recognition of Outstanding Assistance to The Roy G. Perry College of Engineering Enhancement Institute, Prairie View A&M University, July-August, 2009.
- Received the Outstanding Teaching Award given by the College of Arts and Sciences, Prairie View A&M University, 2006 – 2007.
- Received the Outstanding Research Award given by the Department of Mathematics, Prairie View A&M University, 2001 – 2002.
- Certificate of Appreciation for participation in the Engineering and Science Concept Institute, College of Engineering, Prairie View A&M University, Summer 2004.
- Certificate of Appreciation for Supporting EXTEND THE VIEW Capital Campaign, Prairie View A&M University, March 16, 2006.
- Silver medal from the National High-School of Mathematics, Sofia, 1970.
- Prize at the National Mathematical Olympiad, Sofia, 1970.

Professional Societies Membership

- American Mathematical Society
- International Society of Difference Equation (ISDE)
- Union of Scientists in Bulgaria
- Union of Mathematicians in Bulgaria

Invited Presentations:

- Royal Academy for Mathematics and Science, Prairie View A&M University, July 12-16, 2010.
- Applications of Mathematics in Engineering and Economics, 30th Jubilee International Conference (AMEE), Sozopol, Technical University of Sofia, Bulgaria, June 2004
- 29th Summer School Applications of Mathematics in Engineering and Economics, Sozopol, Bulgaria, June 2003.
- 28th Summer School Applications of Mathematics in Engineering and Economics, Sozopol, Bulgaria, June 2002.

Conferences:

- The Joint Meeting of AMS, SIAM and MAA, New Orleans, LA. January 5-8, 2007.
- Quality Education for Minorities (QEM) Network, Workshop for Mathematics and Biology Faculty, Atlanta, GA, August 18-19, 2006
- NSF FRG Conference, University of Missouri-Columbia, Interactions between Harmonic Analysis and PDE, March 24-26, 2006
- Joint Mathematics Meetings, San Antonio, January 12-15, 2006
- Math Fest 2006, Department of Mathematics, University of Oklahoma, Norman, OK, January 26 - 28, 2006, Mentor
- Quality Education for Minorities (QEM) Network, Washington DC, July 25, 2005
- Sixth International AMS–SMM Meeting, Houston, TX, May 13 – 15, 2004
- Quality Education for Minorities (QEM) Network, Workshop for Mathematics Faculty, Atlanta, GA, August 12 - 14, 2004
- Joint Mathematics Meetings, San Diego, January 6-9, 2002
- Joint Mathematics Meetings, New Orleans, January 10-13, 2001

Supervision of Ph.D. Dissertation

Zornitza A. Petrova, defended on 06.28.2005, The Technical University of Sofia, Sofia, Bulgaria.

Title of Dissertation: Oscillation Properties of Functional Differential Equations

Research Visits

- Research Fellowship, Belorussian State University, Minsk, Belorussia, Spring 1985
- NATO Research Fellowship, Ioannina University, Ioannina, Greece, Fall 1994

Professional Journal Referee

Applications and Applied Mathematics: An International Journal (AAM)
 Computers and Mathematics with Applications
 Electronic Journal of Differential Equations
 Journal of Indonesian Mathematical Society
 Utilitas Mathematica
 Matematica Balkanica
 Godishnik VUZ, Prilojna Matematika

Reviewer

Zentralblatt fur Mathematik, 1989-1996

Mathematical Reviews (MR), AMS, 2006-Present

Current Editorial work:

- Associate Editor and Editorial Board Member of the journal: Applications and Applied Mathematics (AAM):
<http://www.pvamu.edu/pages/398.asp>
- Advising Editorial Board Member of the Technical Report, Department of Mathematics, Prairie View A&M University.

Service in Councils

- Scientific Council on Mathematics, Computer Sciences and Mechanics to the Sofia University, Sofia, Bulgaria, Member, 1995 – 1998.
- Scientific Council on Mathematics, Computer Sciences and Mechanics to the Technical University, Sofia, Bulgaria, Vice-Chairman, 1991 – 1998.

Services and Committees

Department of Mathematics

1. Chair of Undergraduate Curriculum/Degree Program Committee, 2009-Present.
2. Chair of Courtesy and Sunshine Committee, 2002-2008.
3. Multi-Sectional Courses Coordinator:
 Math 2043-Differential Equations, 2002-2003, 2006-2010, 2013-present
 Math 1124-Calculus I, 2004-2005
 Math 2024-Calculus II, 2003-2004
 Math 1115-Algebra and Trigonometry, 2006-2011
 Math 3685- Math for Engineers, 2010-Present
 Math 4173- Advanced Math for Engineers, 2014-present
4. Member of Scholarship Committee, 2002-2015
5. Chair of Scholarship Committee, 2015-present
6. Member of Undergraduate Curriculum/ Degree Program Assessment Committee, 2002-2004

7. Member of Graduate Curriculum/Degree Program Assessment Committee, 2004-Present
8. Member of Library Committee, 2002-2003
9. Library, Liaison, 2004-Present
10. Member of Department Strategic Planning Committee, 2002-2003.
11. Member of Mathematics Awareness Month Committee, 2004-Present
12. Member of Faculty Search Committee, 2002-2013.
13. Member of Ph.D. Degree Program Committee, 2003-2004
14. Member of Peer Evaluation Adhoc Committee, 2004-2005
15. Member of College Algebra Adhoc Committee, 2004-2006
16. Textbooks, Coordinator, 2004-Present
17. Member of Faculty Annual Performance Evaluation Instrument Review Adhoc Committee (FAPEIRAC), 2006-2007
18. Chair of Department Online Courses Committee, 2005-2006.
19. Math Research Laboratory, Co-Coordinator, 2006-2007
20. Calculus Readiness Test, Evaluator, 2004-present
21. Member of Faculty Award Adhoc Committee, 2005-2006
22. Chair of Award Committee, 2014-present.
23. Advisor for Johnnese James-Hunter, graduate student at Prairie View A&M University. Presentation Title: Oscillation Theory for Neutral Differential Equations with Delay. Completed her MS degree in Mathematics in 2007.
24. Served as a thesis committee member at Department of Mathematics, Mr. 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.
25. Member of Department Post-Tenure Committee, 2007-Present
26. Chair of Department Tenure and Promotion Committee, 2007-2008.

College of Arts and Sciences

27. Member of Brailsford College of Arts and Sciences Curriculum Committee, 2016-present.
28. Member of College of Arts and Sciences Tenure and Promotional Manual Committee, May 2002.
29. Member of College of Arts and Sciences Research and Graduate Program Committee, 2001-2002.
30. Member of College of Arts and Sciences Academic Dishonesty Committee, 2003-2004.
31. Mentor for Solar Observatory's NSF Research Experience for Undergraduate Project, Summer 2008.
32. Member of Brailsford College of Arts and Sciences Curriculum Committee, 2017-Present.

University

33. Member of Faculty Senate, 2009-2013.

34. Involved in NSF SMET/STEM Enhancement Program at Prairie View A&M University as an instructor and to provide a weekly seminar or lecture to support mathematics courses, 2002-2009.
35. Member of Ph. D. Dissertation Advisory Committee of Mr. Omonowo (David) Momoh, Department of Electrical and Computer Engineering, Prairie View A&M University, April 2010.

To the Profession

36. Associate Editor and Editorial Board Member of the Applications and Applied Mathematics: An International Journal (AAM). (the web site of the journal: <http://www.pvamu.edu/aam>)
37. Editor of Departmental Technical Report Series Committee, 2007-Present.
38. Referee/reviewer for AMS (American Mathematical Society), Mathematical Reviews.
39. 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.

Funded Research Grants

1. Grant on Oscillation properties of the solutions of differential equations with impulses, integro-differential equations and partial differential equations, supported by the Bulgarian Ministry of Education, Science and Technology, September 1986 – September 1988, PI.
Amount: 28,000 lv.
2. Grant MM 437/94 on Qualitative Theory of Functional Differential Equations, supported by the Bulgarian Ministry of Education, Science and Technology, September 1994-September 1997, Co-PI.
Amount: 25,000 lv.
3. Grant MM 516 supported by the Bulgarian Ministry of Education, Science and Technology, September 1996-September 1998, Co-PI
Amount: 24,000 lv.
4. Received, in Summer 2016, from the 2016 Summer Faculty Research Mini-Grant, PVAMU
Amount: \$20,000.00
Duration: June 1, 2016 – August 31, 2016, PI.
5. Received, in Summer 2017, from the 2017 Summer Faculty Research Mini-Grant, PVAMU,
Amount: \$20,000.00
Duration: June 1, 2017 – August 31, 2017, Co-PI.

Proposals Submitted

1. A Proposal to the Biomedical and Behavioral Mini-Grant Research Program through the Prairie View A&M University, Co-PI
Title: *Comparison of Mathematical Models of Biomedicine*
Total funds requested: \$7,000
Duration: January 1, 2003 – December 31, 2003
Submission date: October, 2002
2. A Proposal to the Research Enhancement Grants Proposal Program through the Prairie View A&M University, Co-PI
Title: *MAPLE: A Mathematical Tool Used to Enhance the Teaching and Learning of College Algebra and Differential Equations*
Total Funds requested: \$3,500
Duration: October 27, 2003 – July 16, 2004
Submission date: April, 2003
3. A Proposal to the Department of Defense (DoD) Instrumentation and Research Support Program for HBCU/MI , DAAD19-03-R-0014, The Army Research Office (ARO), Co-PI
Title: *An Economically Optimized and Sojourn Time Efficient Conveyor System*
Total funds requested: \$299,971
Duration: August 15, 2004 – August 14, 2007
Submission date: 12/12/03
4. A Proposal to the National Science Foundation (NSF 04-529)
NSF Proposal Number: 0431651, Co-PI
Title: *STEP – ISER at PVAMU Project*
Science, Technology, Engineering, and Mathematics Talent Expansion Program (STEP) Increase of Student Enrollment and Retention (ISER) in STEM Disciplines at Prairie View A&M University (PVAMU)
Total funds requested: \$984,564
Duration: September 1, 2004 – August 31, 2009
Submission date: 03/10/04
5. A Proposal to the National Security Agency Research and Educational Programs at HBCU/MI, Co-PI
Title: *An Economical Analysis of a Conveyor System*
Total Funds requested: \$ 199,998
Duration: September 1, 2004 – August 31, 2006
Submission date: 04/21/04
6. A Proposal to the National Science Foundation (NSF 04-568)
NSF Proposal Number: 0439294, Co-PI
Title: *Exploring an Alternative Method of Teaching Mathematics and Science: Teacher Professional Development*
Total Funds requested: \$299,948
Duration: May 1, 2005 – April 30, 2008
Submission date: 05/25/04
7. A Pre-proposal to the National Science Foundation (NSF 04-580)
NSF Proposal Number: 0537571, Co-PI

- Title: *Exploring an Alternative Method of Teaching Mathematics*
 Total Funds requested: \$293,829
 Duration: July 1, 2006 – June 30, 2009
 Submission date: 05/31/05
8. A Proposal to the AFORS BAA 05-4, FY 2006 DURIP, Co-PI
Title: *Instrumentation of math/stat research lab for teachers*
 Total funds requested: \$120,500
 Submission date: 08/24/05
 9. A Proposal to the National Science Foundation (NSF 04-580)
 NSF Proposal Number: 0554311, Co-PI
Title: *Exploring an Alternative Method of Teaching Mathematics*
 Total Funds requested: \$299,784
 Duration: July 1, 2006 – June 30, 2009
 Submission date: 09/16/05
 10. A Pre-proposal to the Texas A&M Coordinating Board Advanced Research Program (ARP), Co-PI
Title: *A Multi-Processor Queue with Task-Splitting and Delayed-Feedback*
 Total Funds requested: \$72,000
 Duration: October 30, 2005 – October 29, 2007
 Submission date to OSP: 10/19/05
 11. A Pre-proposal to the THECB's 2006 ARP Program, Co-PI
Title: *Statistical Analysis and Applications of Wavelet Methods*
 Total Funds requested: \$84,600
 Duration: May 15, 2006 – May 14, 2008
 Submission date to OSP: 10/31/05
 12. A Proposal to National Science Foundation
 NSF Proposal Number: 817492
 Title: *CCLI: Enhancement of physics learning in STEM areas using core concepts in a student-centered environment.*
 Submission date: 01/10/2008
 13. A Proposal to NASA, Submitted with the University of Houston and Rice University, Co-PI
 NASA Proposition #: NNH08ZDA008C
 Title: *Lunar Nucleation and Crystallization*
 Total Funds for PVAMU requested: \$126,881
 Duration: December 2009-December 2012
 Submission date: 08/29/2008
 14. A Proposal submitted to the Math and Science Partnership initiative from the NSF
 Title: *Building Enhanced Achievement in Mathematics and Science: A "Putting Physics First" approach.*
 Total Funding Requested: \$10, 210,216
 Project Period: June1, 2010 – May 31, 2015
 Submission date: 08/19/2009
 15. A Proposal submitted to National Science Foundation,
 National Science Foundation Research Experiences for Undergraduates (NSF REU)
 Title: *PVAMU Undergraduate Research in Mathematics and its Applications*

- Proposal Number: 1156965
 Total Funding Requested: \$270,000
 Project Period: June 1, 2012 – May 31, 2015
 Submission date: 08/24/2011
16. A Proposal submitted to Undergraduate Medical Academy at PVAMU
 Summer 2011 Mini Grant, Co-Researcher
 Total Funding Requested: \$10,000
 Project Period: June 1, 2011 – August 31, 2011
 Submission date: May 20, 2011
 17. A Proposal to National Science Foundation (NSF)
 Title: *Undergraduate Research in Mathematics and its Applications* (URMA)
 Submission date: August, 2015
 Requested Amount: \$339,753.00
 Duration: June 1, 2016-May 31, 2019, Co-PI
 18. Chancellor's Research Initiative (CRI)
 Title: *Establishment of a Plasma Science and Technology Institute at Prairie View A&M University*
 Submission date: January, 2016, Co-PI
 Requested Amount: \$8.606M
 Duration: 5 years
 19. Received, in Summer 2016, from the 2016 Summer Faculty Research Mini-Grant, PVAMU
 Amount: \$20,000.00
 Duration: June 1, 2016 – August 31, 2016, PI.
 20. Received in Summer 2017, from the 2017 Summer Faculty Research Mini-Grant, PVAMU
 Amount: \$20,000.00
 Duration: June 1, 2017 – August 31, 2017, Co-PI.
 21. A Proposal to National Science Foundation (NSF)
 NSF Proposal Number: 1757511
 Title: *Undergraduate Research in Mathematics and its Applications* (URMA)
 Submission date: 08/22/2017
 Requested Amount: \$671,750.00
 Duration: June 1, 2018-May 31, 2021, Co-PI