Makola M. Abdullah, Ph.D.
Curriculum Vitae

OFFICE
Virginia State University
Office of the President
Virginia State University, Virginia 23806
Phone: [redacted] | *Fax*: [redacted]
Email: [redacted]

HOME
[redacted]
Phone: [redacted]
Email [redacted]

CURRENT POSITION
President
Virginia State University
February 2016-Present

The responsibility as the University President is to serve as the Chief Executive and Administrative Officer for the Board of Visitors. Execute directly or by delegation, all executive and administrative duties in connection with the operation of the University

Major Accomplishments

- Increased Fundraising, receiving the top gifts in VSU history, including $30M from Mackenzie Scott and $3M from Dominion Energy
- Recorded the Highest 4 year Graduation Rate in VSU history at 32% in 2018-19 and the second Highest 6 year Graduation Rate at 46%
- Recorded the Highest Retention Rate in VSU history at 76% in 2020-21
- Had the highest percentage increase in enrollment of 8.5% in 2021
- Increased the endowment 114% from $39.7M to $85M
- Increased reserves 150% from $20M to $50M
- Established the Academic Center of Excellence as a one-stop hub for first-year students to receive career and academic advising and tutorial services.
- Secured the Commonwealth of Virginia Governor's inaugural Outstanding State Stewardship Award for the preservation of Summerseat, an historic house built around 1860 near Virginia State University campus
- Recorded the highest number of Alumni donors, alumni giving rate and alumni giving dollars in VSU history

- Over the past 5 years, we have increased State Appropriations by over 30%, research expenditures and fundraising by over 20%
- Received record funding for capital projects at VSU to build the largest academic building for $100M
- Named by the Governor of Virginia to the Task Force for the Identification of the History of Formerly Enslaved African Americans in Virginia
- Recognized as 2018 HBCU of the Year by HBCU Digest
- Recognized as 2017 HBCU President of the Year by HBCU Digest
- Successful in having Virginia State University recognized as one of the nation's top 20 "Best Colleges for African Americans" by ESSENCE magazine
- Established partnerships with local public school systems in Chesterfield County and Petersburg, Va. wherein Virginia State University students tutor students in mathematics and reading

OTHER CURRENT POSITIONS

- Chair, Council of Presidents, APLU
- Past Chair, APLU 1890 Council of Presidents
- Past Chair, Central Intercollegiate Athletic Association Board of Directors
- Chair, Virginia Council of Presidents
- Member, Board of Directors, Big Brothers Big Sisters of America
- Member, Executive Committee SACSCOC Board of Trustees
- Member, Task Force for the Identification of the History of Formerly Enslaved African Americans in Virginia
- Member, Virginia Historical Society Board of Trustees
- Member, Richmond Forum Board of Trustees
- Member, GenEdge Alliance Board of Trustees

EDUCATION

Ph.D.	Civil Engineering, Northwestern University Advisor: *Takeru Igusa* Title: "*Optimal Output Feedback Control of Civil Structures*"	1994
M.S.	Civil Engineering, Northwestern University Advisor: *Takeru Igusa* Title: "*Active Control of Tall Buildings*"	1991
B.S.	Civil Engineering, Howard University	1990

Previous Professional Experience

Provost and Senior Vice President
Bethune-Cookman University, Daytona Beach, FL,
July 2013-January 2016

Major Accomplishments

- Established the College of Undergraduate Studies to centralize all academic support units on campus
- Implemented 4 new graduate programs (Counseling, Criminal Justice, Public Health, Exceptional Student Education)
- Implemented 6 new online degree programs
- Added ABET accreditation in Computer Engineering
- Added USDLA Certification for online programs
- Increased the number of doctorally trained faculty by 12.5%
- Increased the number of faculty as Principal Investigator on Research Grants by 100%
- Increase the amount of competitively funded research projects by 125%
- Secured $1M in State funding to support our new College of Health Sciences and Center for Entrepreneurship Economic Development
- Established innovative institutional student learning outcomes and revised the core curriculum
- Established a research initiative program
- Worked with the Athletic Department to involve academic affairs in reporting of academic progress for student athletes (NCAA)

Provost and Vice President for Academic Affairs

Florida Memorial University, Miami Gardens, FL
March 2011-June 2013

Served as the Chief Academic Officer, overseeing all academic, research, and institutional effectiveness programs while also leading the strategic planning and Southern Association of Colleges and Schools (SACS) reaffirmation efforts.

Major Accomplishments

- Successful Regional Reaffirmation of Accreditation (Southern Association of Colleges and Schools)
- Successful Reaccreditation of Social Work Programs
- Successful Reaccreditation of Computer Programs (Accrediting Board for Engineering and Technology)
- Successful Reaccreditation of Music Programs (National Association of Schools of Music)
- Increased Number of Proposals submitted by Faculty
- Increased the Number of Technology Enabled Classrooms
- Established the Centers of Academic Support and Retention

Dean and Director of 1890 Land Grant Programs

College of Engineering Sciences, Technology and Agriculture
Florida A&M University (FAMU), Tallahassee, FL
January 2008 - March 2011

The Dean and Director of Land Grant Programs is responsible for all aspects of the college and Land Grant Programs including instructional, research, extension, and

service programs; student services; resource matters and budgeting. Responsible for 241 employees and a total budget of $33.4 million.

Major Accomplishments

- Increased enrollment by 20%
- Increased external research dollars to fund research and academic programs by 10% to $9.5 million
- Consistently led the college in surpassing our goal for contributions to the university faculty/staff scholarship endowment
- Started a new academic program in Veterinary Technology and built new facilities for research, teaching, and extension
- Established the college research and extension scholars program to provide more meaningful opportunities for students to be involved in the research and extension programs

Associate Vice President for Research
Division of Research
Florida A&M University, Tallahassee, FL
November 2005 - January 2008

- Senior Administrator in Charge during Vice President's Absence
- Coordinated State and Federal Legislative Requests
- Responsible for Division Staff Evaluation
- Designed Electronic Document Management System
- Chair, Tenure and Promotion Committee
- Chair, Institutes and Centers Committee
- Chair, Provost's Committee on Faculty Effort
- Chair, University Accreditation (Southern Association of Colleges and Schools) Federal Mandates Committee
- Member, State University System, National Security Initiatives

Professor, Associate Professor, Assistant Professor
Department of Civil and Environmental Engineering
FAMU/FSU College of Engineering
Florida A&M University, Tallahassee, FL
January 1998-March 2011

Assistant Professor
Division of Engineering Technology, College of Engineering Sciences, Technology and Agriculture (CESTA)
Florida A&M University, Tallahassee, FL
August 1996-December 1997.

Adjunct Professor
Department of Chemistry & Physics and Department of Engineering Studies
Chicago State University, Chicago, IL
July 1994-June 1996.

Engineer/Assistant Project Manager
Jackson & Tull, Chartered Engineers
Chicago, IL
September 1994-July 1996.

Research and Teaching Assistant
Department of Civil Engineering
Northwestern University, Evanston, IL
June 1990-June 1994

HONORS AND AWARDS

Trailblazer Award from the Higher Education Leadership Foundation (2019)
HBCU Male President of the Male by HBCU Digest (2017)
Honda Campus All-Star Challenge Alumni Hall of Fame (2017)
50 Most Powerful Black Professionals in South Florida (2012)
Executive Leadership Academy Fellow (2011)
Food Systems Leadership Institute Fellow (2010)
Teacher of the Year, Florida Agricultural & Mechanical University (2004)
Nominated for Teacher of the Year, Florida State University (2000, 2005)
Outstanding Grantsmanship Award, Florida Agricultural & Mechanical University (2003)
Nominated for Teacher of the Year, Florida Agricultural & Mechanical University (2003, 2000, 1999)
Graduate Teacher of the Year, Florida Agricultural & Mechanical University (2002)
Nominated for Teacher of the Year, Florida State University (2000)
Nominated by Chair of Civil and Environmental Department for the Black Engineer of the Year (1999)
National Science Foundation CAREER Award (1997)
Outstanding Teaching Award, Chicago State University (1994)
Departmental Service Award, Department of African American Student Affairs, Northwestern University (1994)
Outstanding Graduate Student Service Award, Society of Hispanic Professional Engineers, Northwestern University (1994)
Teaching Assistant of the Year, National Society of Black Engineers, Northwestern University (1993)
Honorable Mention, University-Wide Teaching Assistant of the Year, XDX Fraternity, Northwestern University (1993)
Tau Beta Pi Engineering Honor Society (1989)

PROFESSIONAL ACTIVITIES

- Association of Public and Land Grant Universities (2007-2011, 2016-present)
- Association of Research Directors (2007-2011)

- National Society of Black Engineers (1986-present)
- American Society of Civil Engineers (1988-present)

SELECT COMMUNITY SERVICE AFFILIATIONS

- Vice Chair for the Central Intercollegiate Athletic Association Board of Directors
- Alpha Phi Alpha Fraternity, Incorporated, 2009-present
- 5000 Role Models of Excellence, 2011-present
- Member of the Board of Trustees, Lake Forest Academy 2011-present
- Invited Panelist, Trayvon Martin Community Forum, 2013
- Member of the Board, Miami Children's Initiative, 2011-2013
- HAWK Federation Mentoring Society, 1996-1998

MEDIA APPEARANCES

"Going from F's to A's", Guest Expert, Black Entertainment Television
Daytona News Journal
Miami-Herald
Miami Times
HuffPost Live
Congressional Black Caucus forum regarding *Race and Education* on C-Span

LECTURES AND WORKSHOPS BY SPECIAL INVITATION AND ORGANIZING COMMITTEE ACTIVITIES

- Invited Speaker, Caribbean Food Crop Society, Miami Florida, June, 2008.
- Invited Speaker, "Community Based Research" Tugaloo College, Tugaloo, Mississippi, June, 2006.
- Invited Speaker, "2006 FEMA Region VI Workshop for HBCUs" Southern University, Baton Rouge, Louisiana, May, 2006.
- Invited Speaker, "2006 National Society of Black Engineers National Convention" Pittsburgh, Pennsylvania March 2006.
- Project Director and Chair, Planning Committee, "2005 FEMA Region IV Workshop for HBCUs Working Together, Preparing for Future Disasters," Florida Agricultural and Mechanical University, Tallahassee, Florida, May, 2005.
- Diversity Programs Director, Multi-Disciplinary Center for Earthquake Engineering Research (MCEER), University at Buffalo 2004-2007
- National Science Foundation, George Brown Network for Earthquake Engineering Simulation (NEES), Committee on Education Outreach and Training, 2005-2007
- Co-Chair, Planning Committee, National Science Foundation "Civil and Mechanical Systems Workshop for the Advancement and Retention of Underrepresented and Minority Engineering Educators," Arlington, Virginia, February, 2006.
- Co-Chair, Planning Committee, National Science Foundation "Civil and Mechanical Systems Workshop for the Advancement and Retention of Underrepresented and Minority Engineering Educators," Arlington, Virginia, October, 2003.
- Planning Committee, National Science Foundation "Civil and Mechanical Systems Workshop for the Advancement and Retention of Underrepresented and Minority

Engineering Educators," Arlington, Virginia, October, 2001.

- Program Committee, SPIE Annual International Symposium on Smart Structures and Materials, Smart Systems for Bridges, Structures, and Highways. Newport Beach, California, March 2000-2003.

Professional Development

- Executive Leadership Academy, cosponsored by the Council of Independent Colleges, the American Association of State Colleges and Universities, and the American Academic Leadership Institute, 2011
- Food Systems Leadership Institute, a program of the Association of Public and Land-Grant Universities with support from the W.K. Kellogg Foundation, Member of the 2009 Class
- Participated in the National Science Foundation "Civil and Mechanical Systems Workshop on the Integration of Engineering Research and Education," Arlington, Virginia, September 2003.
- Chair for Session entitled "Building Control" held at the Smart Systems for Bridges, Structures, and Highways SPIE (international Society for Optics and Photonics) Conference on Smart Materials, Newport Beach, California, March 2001.
- Participated in the National Science Foundation "Civil and Mechanical Systems Workshop on the Integration of Engineering Research and Education," Arlington, Virginia, November 1998.
- Participated in the National Science Foundation "Civil and Mechanical Systems Workshop for the Advancement and Retention of Underrepresented and Minority Engineering Educators," Arlington, Virginia, September 1997.
- Participated in the SUCEED "Effective Teaching Workshop," Raleigh, North Carolina, August 1997.

SCHOLARLY REVIEWS

Journals

- *Institute for Electrical and Electronics Engineers (IEEE) Transactions on Control Technology*
- *American Society for Mechanical Engineers (ASME) Journal of Vibration and Acoustics*

Proposals

- *National Science Foundation, Directorate for Engineering, Division of Civil and Mechanical Systems, Infrastructure Materials and Structural Mechanics*
- *National Science Foundation, Directorate for Engineering, Division of Civil and Mechanical Systems, National Earthquake Engineering Simulations (NEES) Program*
- *National Science Foundation, Directorate for Education and Human Resources, Division of Undergraduate Education, Scholarships for Service*
- *National Science Foundation, Directorate for Engineering, Division of Civil and Mechanical Systems Dynamic Systems and Control*
- *National Science Foundation, Directorate for Education and Human Resources, Division of Undergraduate Education*

Books

- *Engineering Mechanics: Statics & Dynamics, Sheppard & Toungue*
- *Engineering Mechanics: Statics & Dynamics, Plesha, McGraw Hill*
- *Engineering Mechanics: Statics & Dynamics, Prentice Hall*
- *Introduction to Solid Mechanics, Prentice Hall*

CONTRACTS AND GRANTS RECEIVED

1. National Aeronautics and Space Administration FAR Award, "Use of Evolutionary Algorithms for Decision Making Processes in Civil Engineering" August 1998-February 2003, $250,000 (PI: M. Abdullah)
2. National Science Foundation CAREER Award, "Optimal Output Feedback Control of Civil Structures", August 1997-Oct 2003, $370,000 (PI: M. Abdullah)
3. FAMU Ronald E. McNair Program, "Use of Tuned Mass Dampers to Reduce Building Vibration", Summer 1999, 2000, $6,000 (PI: M. Abdullah)
4. Florida WAGES Program, "Transportation Network Pilot Program", November 1999-July 2000, $300,000 (PI: M. Abdullah)
5. Washington University/NSF, "Investigating Undergraduate Research Programs in Japan", June 2000-May 2001, $10,000 (PI: M. Abdullah)
6. Florida State University, "Use of Evolutionary Algorithms for Decision Making Processes in Civil Engineering", July 2001-June 2002, $100,000 (PI: A. Chan-Hilton, Co-PI's: M. Abdullah, J. Sobanjo)
7. National Science Foundation/Tokyo, "Partnership in Advanced Technologies in Civil Engineering", June 2002-July 2002, $20,000 (PI: M. Abdullah)
8. National Science Foundation, "Research Experience for Undergraduates in Japan in Advanced Technologies", June 2002-August 2002, $60,204 (PI: S.J. Dyke, Washington University, Co-PI's: M. Abdullah)
9. Florida A & M University - Undergraduate Program Course Development Mini Grant Program, "Increasing Use of Computer Programs in Civil Engineering Mechanics", June 2000-May 2001, $10,000 (PI: M. Abdullah)
10. Florida A & M University - Undergraduate Program Course Development Mini Grant Program, "Increasing Use of Computer Programs in Civil Engineering Mechanics", June 2001-May 2002, $10,000 (PI: M. Abdullah)
11. GE Fund, "Learning Excellence Initiative", January 2001-December 2002, $274,000 (PI: M. Abdullah)
12. Washington University/NSF, "NEES Consortium- Mini-Most Project", April 2004-October 2004, $10,000 (PI: M. Abdullah)
13. National Aeronautics and Space Administration Graduate Student Research Program, "Using Matlab and Fluent for Fluid Structure Interaction in CWE", August 2002-July 2005, $72,000 (PI: M. Abdullah, Co-PI's: Ken Walsh)
14. University of Florida/State of Florida- Department of Community Affairs, "Post 2004 Hurricane Field Survey – an Evaluation of the Relative Performance of the Standard Building Code and the Florida Building Code", October 2004-September 2005, $18,000 (PI: M. Abdullah)
15. Federal Emergency Management Agency, "FEMA HBCU Conference on Emergency Management", October 2004-September 2005, $125,000 (PI: M. Abdullah)
16. State of Florida- Department of Community Affairs, "FEMA HBCU Conference on Emergency Management- Florida Supplement", October 2004-September 2005, $100,000 (PI: M. Abdullah)

17. University of Florida/State of Florida- Department of Community Affairs, "Wind Resistance of Florida Residential Construction: In-Field Evaluation of Practicality, Acceptability and Effectiveness of Retrofit Mitigation Measures", October 2005-July 2006, $90,000 (PI: M. Abdullah)
18. Federal Emergency Management Agency/State of Florida- Department of Community Affairs, "Making FAMU a Disaster Resistant University", October 2004-September 2006, $100,000 (PI: M. Abdullah)
19. National Science Foundation, "Research Experience for Undergraduates in Japan in Advanced Technologies", June 2003-August 2006, $263,000 (PI: S.J. Dyke, Washington University, Co-PI's: M. Abdullah)
20. National Science Foundation, "Collaboratory Research: Behavior of Braced Steel Frames with Innovative Bracing Schemes - A NEES Collaboratory Project", October 2003-September 2007, $809,000 (FAMU $80,000), (PI: Roberto Leon, GaTech, Co-PI's: M. Abdullah, Reginald DeRoches, Andre Reinhorn, P. Benson Singh, Michele Bruneau)
21. Multidisciplinary Center on Earthquake Engineering Research/NSF, "Case Study of Earthquake Hazard in the Southeast", November 2000-October 2007, $350,000 (PI: M. Abdullah, Co-PI: Y. Abdel Razig)
22. United States Department of Agriculture, 1890 Facilities Award, 1998-2011, $12.0M (PI: M. Abdullah)
23. United States Department of Agriculture, Evans-Allen Research Formula Grants, 2007-2011, $4.5M (PI: M. Abdullah)
24. United States Department of Agriculture, 1890 Extension Formula Grants, 2007-2011, $4.2M (PI: M. Abdullah)
25. National Science Foundation, "Florida A&M University-Undergraduate Program", October 2004-September 2009, $2,500,000, (PI: C. Harris, Co-PI's: R. Perry, M. Abdullah, B. Kelly, R. Turner)
26. PACER/Johns Hopkins University, "Infrastructure Protection", July 2007-June 2009, $140,000 (PI: K. Walsh, Co-PI: M. Abdullah)

STUDENTS ADVISED

Past Post Doctoral Researchers (2)
Shannon Grady, Ph.D.
Ken Walsh, Ph.D.

Graduated Ph.D. Students (4)
Andy Richardson (FAMU Ph.D. December 2003), Vibration Control of Multiple Structures: Theory and Application
Claudia Wilson (FSU Ph.D. August 2005), Design of Magneto-Rheological (MR) Fluid Dampers for Earthquake Mitigation
Ken Walsh (FAMU Ph.D. August 2005), Use of a Variable Amplification Device for Vibration Control of Buildings
Terri Norton (FAMU Ph.D. December 2007), Development of the Universal Damage Function for Natural Hazard Damage Assessment

Graduated M.S. Students (6)
Jameel Hanif (FAMU M.S.C.E. May 2000), Use of Shared Tuned Mass Damper (STMD) for the Mitigation of Earthquake Vibrations

Andy Richardson (FAMU M.S.C.E. May 2000), Optimal Placement of Sensor/Actuator Systems Considering Actuator Dynamics
Ken Walsh (FAMU M.S.C.E. May 2002), Fluid Structure Interaction: Vibrations of Structures from Vortex Shedding
Terri Norton (FAMU M.S.C.E. May 2002), Earthquake and Hurricane Hazard in the Southeast
Shealy Gross (FAMU M.S.C.E. May 2002), Investigation of Damage Functions for Loss Estimation of Hurricanes
Marlon Hill (FAMU M.S.C.E. May 2004), An Experimental Verification of the Eigensystem Realization Algorithm for Structural Health Monitoring

Graduate Committees Served

Qiping Yang, Hongyi Li, Rasheema Burrell (FAMU, Ph.D.), Gail Jefferson (FAMU, Ph.D.), Brenda Robinson (FAMU Ph.D.), Dan Scheer (FSU M.S.C.E), Snehal Saravade (FSU M.S.C.E.), Tramone Curry (FAMU Ph.D.), Chaohan Zhang (FSU Ph.D.), Oneika Starks (FAMU M.S.M.E.), Tanya Townsend (FAMU M.S.C.E.), Xi Liu (FSU M.S.C.E), Shavonne Ford (FAMU M.S.Ch.E), Omar Beckford (FAMU M.S.C.E), Sarah Johnson (FAMU M.S.I.E), Rafal Wuttrich (FSU M.S.C.E), Patrick McKee (FSU M.S.C.E.), Eric Johnson (FSU M.S.C.E), Alfred Nkunga (FSU M.S.C.E.), William Leunde (FSU M.S.C.E), Shawn Austin (FAMU M.S.Ch.E.), Angela Thomas (FAMU M.S.M.E.)

Undergraduate Research Assistants

Tarysha Henry (FAMU B.S.C.E. 2000), Willie Booker (FAMU B.S.C.E. 2000), Cipriana Thompson (FAMU B.S.C.E. 2000), Terri Norton (FSU B.S.C.E. 2000), Shealy Gross (FSU B.S.C.E. 2000), Kenneth Walsh (FSU B.S.C.E. 2000), Sakira Henry (FAMU B.S.C.I.S. 2000), Alieu Sahor (FAMU B.S.C.E. 2001), Allah Christmas (FAMU B.S.C.E. 2001), Marlon Hill (FAMU B.S.C.E. 2001), Robert Medlock (FAMU B.S.C.E. 2001), Tanya Townsend (FAMU B.S.C.E. 2001), Vaughn Thomas (FAMU B.S.C.E. 2001), Kamili Hithchmon (FAMU B.S.C.E. 2002), Quatina Austin (FAMU B.S.C.E. 2002), Chris Beasley (FAMU B.S. Construction Engineering Technology 2002), Damaris Noriega (FSU B.S.C.E. 2002), Shearissa Phillips (FAMU B.S.C.E. 2002), Sundiata Marcelin (FAMU B.S.C.E. 2003), Asegun Henry (FAMU B.S.M.E. 2003), Omari Downing (FAMU B.S.C.I.S. 2003), Natasha Richardson (FAMU B. Arch. 2003), Andrea Jones (FAMU B.S.C.E), Jenna Chamberlain (FSU B.S.C.E. 2003), Yakisha Williams (FAMU B.S.C.E 2004), Korey Gaddy (FAMU B.S.C.E. 2004), Jami Akins (FAMU B.S.C.E.T), Milan Ellis (FAMU B.S.I.E. 2004), Greg Thomas (FAMU B.S.E.E.), Karla Villarreal (FSU 2005), Zaneta Adme (FSU 2005), Waleed Barnawi (FSU 2005), Andrea Smith (FSU 2006), Vicente Ruiz, Remy Agrawal, Jenna Pagnotti, Glen Wiger, Rochelle Thomas, Aaron Williams

K-12 Teachers as Research Assistants

Chevelle Hall, Brandy Tyler, Janice Muhammad

High School Students

Gerren McDonald, Godby High School Tallahassee, FL
Asegun Henry, Florida High, Tallahassee, FL

TEACHING ACTIVITIES

Courses Taught

Northwestern University
Calculus I, II, III Differential Equations

Chicago State University Department of Chemistry and Physics
Physics I, Physics II, Statics

Florida A&M University
BCN 2230-Materials and Methods of Construction I, BCN 4617-Construction Estimating I, ETC 4450-Reinforced Concrete I, BCN 4619-Construction Estimating II, ETG 4939-Professional Development

Florida A&M University
CES 5585-Earthquake and Wind Engineering, EGN 3311-Civil Engineering Mechanics, EGM 3512-Engineering Mechanics, EGN 3321-Dynamics, CES 5209-Structural Dynamics

Florida Memorial University
MAT 114 Intermediate Algebra

Courses Developed

Florida A&M University
EGN 3311-Civil Engineering Mechanics, EGM 3512-Engineering Mechanics, EGN 3321-Dynamics (new course to Civil Engineering), CES 5209-Structural Dynamics

PUBLICATIONS

1. Richardson, A., Walsh, K. K. and Abdullah, M. M. (2013), "Closed-Form Design Equations for Controlling Vibrations in Connected Structures". Journal of Earthquake Engineering. Volume 17, Issue 5, pp 699-719
2. Richardson, A., Walsh, K. K. and Abdullah, M. M. (2013), "Closed-form equations for coupling linear structures using stiffness and damping elements." Structural Control and Health Monitoring. Volume 20, Issue 3, pp 259-281
3. Wilson, C.M.D. and Abdullah, M, "Structural vibration reduction using self-tuning fuzzy control of magnetorheological dampers", Bulletin of Earthquake Engineering (12 March 2010), ISSN 1570-761X, Volume 8, Number 4,
4. Wilson, C.M.D. and Abdullah, M. (2005). "Structural Vibration Reduction Using Gain Scheduled Fuzzy Control of Magnetorheological Dampers", Journal of Seismology and Earthquake Engineering, Summer 2009, Vol. 11, No. 2, 97-110
5. Kenneth K. Walsh, Makola M. Abdullah and Carl A. Moore (2008),"Control of Civil Structures Using a Semiactive Stiffness System Based on Variable Amplification", ASCE JOURNAL OF STRUCTURAL ENGINEERING 1246-1251
6. Kurtis Gurley, Robert H. Davis, Jr, Sean-Paul Ferrera, Jeff Burton, Forrest Masters, Tim Reinhold, and Makola Abdullah (2006), "Post 2004 Hurricane Field Survey --- An Evaluation of the Relative Performance of the Standard Building Code and the Florida Building Code" Structures Congress 2006: Structural Engineering and Public Safety, Proceedings of the 2006 Structures Congress, ASCE Conf. Proc. 201, 8 (2006),

DOI:10.1061/40889(201)8

7. Walsh, K. K. and ***Abdullah, M. M.*** (2006), "Adaptive base-isolation of civil structures using variable amplification," Earthquake Engineering and Engineering Vibration 2006 Vol.5 No.2 P.223-233
8. Wilson, C.M.D. and Abdullah, M. (2005). "Structural Vibration Reduction Using Fuzzy Control of Magnetorheological Dampers", Proceedings of the 2005 Structures Congress and the 2005 Forensic Engineering Symposium ASCE Conf. Proc. 171, 198 (2005), DOI:10.1061/40753(171)198
9. Ping Tan, Shirley J. Dyke, Andy Richardson and ***Makola Abdullah***, "Integrated Device Placement and Control Design In Civil Structures Using Genetic Algorithms", *Journal of Earthquake Engineering and Structural Dynamics*. Vol. 131, No. 10, October 2005, pp. 1489-1496
10. Grady, S., M. Y. Hussaini, ***M. M. Abdullah***, "Placement of Wind Turbines Using Genetic Algorithms", *Renewable Energy*, 30(12), October 2005, pp 259-270
11. ***Abdullah, M.***, K., Walsh, S. Grady, G. D. Wesson, "Modeling Flow Around Bluff Bodies", *Journal of Computing in Civil Engineering*, Vol. 19, No. 1, January 2005, pp. 104-107
12. Grady, S., G. D. Wesson, ***M. M. Abdullah***, and E. E. Kalu, "Prediction of 10-mm Hydrocyclone Separation Efficiency Using Computational Fluid Dynamics." *Filtrations & Separations,* 40(9), p. 41-46 (2003).
13. Grady, S., G. D. Wesson, ***M. M. Abdullah***, and E. E. Kalu, "Prediction of Flow Field in 10-mm Hydrocyclone Using Computational Dynamics", Fluid / Particle Separations Journal, 14, 1(2002).
14. ***Abdullah, M.,*** Richardson, A., and Hanif, J. "Placement of sensors/actuators on civil structures using genetic algorithms ", August 2001, *Journal of Earthquake Engineering and Structural Dynamics* 1167-1184
15. ***Abdullah, M.,*** Hanif, J., Sobanjo, J. and Richardson, A. "Use of a shared tuned mass damper (STMD) to reduce vibration and pounding in adjacent structures", August 2001, *Journal of Earthquake Engineering and Structural Dynamics* 1185-1201
16. ***Abdullah, M.*** "Optimal Placement of Output Feedback Controllers on Slender Civil Structures", *Engineering Structures,* V. 22, 1042–1047, 2000
17. ***Abdullah, M.*** "Optimal Placement of DVFC Controllers on Buildings Subjected to Earthquake Loading", *Journal of Earthquake Engineering and Structural Dynamics, 1999, Vol.* 28, 127-141
18. ***Abdullah, M.*** "Optimal Placement of Output Feedback Sensor/Actuator Systems at Discrete Locations", *AIAA Journal*, November 1998, 2109-2116

CONFERENCE PROCEEDINGS

1. Walsh, K. K. and ***Abdullah, M. M.***, "Semi-active control of civil structures using variable amplification," Proceedings of the 4th World Conference on Structural Control and Monitoring, San Diego, California, 2005.
2. Kurtis Gurley, Jeff Burton, Rob Davis, ***Makola Abdullah***, Timothy Reinhold. Post 2004 Hurricane Field Survey – an Evaluation of the Relative Performance of Building Codes, Preproceedings, 10th Americas Conference on Wind Engineering, American Association for Wind Engineering, May 31-June 4 2005, Baton Rouge, Louisiana.
3. Wilson, C.M.D., ***Abdullah, M.,*** "Fuzzy Control of Magnetorheological Dampers in Civil Structures", *6th European Conference on Structural Dynamics (EURODYN),* Paris, France. (2005)

4. Wilson, C.M.D., ***Abdullah, M.*** ,"Structural Vibration Reduction Using Fuzzy Control of Magnetorheological Dampers", *ASCE Structures Congress*, New York, NY. (2005)
5. Norton, T., ***Abdullah, M.***, Stephens, D., "Combined Hurricane and Earthquake Hazard Component Vulnerability Analysis", *Proceedings of ANCER, Annual Meeting of the Asia- Pacific Network of Centers for Earthquake Engineering Research, Honolulu, Hawaii,* July 2004.
6. ***Abdullah, M.*** and Richardson, A.,. "Use of Genetic Algorithms for Placement on Slender Structures", *Proceedings of Ninth International Space Conference of Pacific-basin Societies (9th ISCOPS)*, November, Pasadena, California, U.S.A., *291-300*.
7. Richardson, Andy; Abdullah, Makola M., "Sensor/actuators placement on civil structures using a real-coded genetic algorithm", Proc. SPIE Vol. 4696, p. 244-255, Smart Structures and Materials 2002: Smart Systems for Bridges, Structures, and Highways, 06/2002
8. Henry, A., Richardson, A., and ***Abdullah, M.*** "Placement and Elimination of Vibration Controllers in Buildings", SEMS 2001: International Conference on Structural Engineering, Mechanics and Computation, Vol 2, 887-895 (2001)
9. Grady, S., G. D. Wesson, M. M. Abdullah, and E. E. Kalu, "A Comparison of the Flow Fields of a Volute and Tangential Feed Geometry 10mm-Hydrocyclone Using Computational Fluid Dynamics", Proceedings of *7th International Petroleum Environmental Conference*, CD-ROM (published by SCG, Inc.), Albuquerque, NM, November 7-10 (2000).
10. ***Abdullah, M.***, Richardson, A., and Hanif, J. "Placement of Feedback Controllers on Civil Structures Using Genetic Algorithms", in Smart Systems for Bridges, Structures, and Highways, Proceedings of SPIE Vol. 3988, 418-428 (2000).

OTHER JOURNAL PUBLICATIONS

1. Norton, T. and ***Abdullah, M. M.***, "Using Virtual Reality as an Educational Tool for Earthquake Damage Mitigation", East Asia & Pacific Summer Institutes for U.S. Graduate Students (EAPSI). Final Report. http://www.nsftokyo.org/spmenu.html, 2002.
2. Norton, T. and ***Abdullah, M. M.***, "At a Glance: Natural Hazard Mitigation in Japan 2002", Natural Hazard Mitigation in Japan (NHMJ). Final Report. http://www.nd.edu/~quake/nhmj/, 2002.
3. Hill, M., Richardson, A., Wilson, C. and ***Abdullah, M.*** "*The Effectiveness of the Passive Tuned Mass Damper in Reducing Building Vibrations* ", FAMU McNair Journal, *Fall 2000*
4. Hill, M., Richardson, A., Wilson, C. and ***Abdullah, M.*** "*The Effectiveness of the Passive Tuned Mass Damper in Reducing Building Vibrations* ", The National McNair Journal, *Fall 2000*
5. Norton, T. and ***Abdullah, M.*** "*The Effectiveness of the Tuned Mass Damper in Reducing Building Vibrations*", FAMU McNair Journal, *Fall 1999, 30-35*
6. ***Abdullah, M.***, and Richardson, A., "Placement of Controllers in Buildings that Utilize Base-Isolation", November 1998, *NTA Conference Proceedings*
7. ***Abdullah, M.***, and Hanif, J., "Mitigation of Pounding Through Strategically Placed Damping Mechanisms", November 1998, *NTA Conference Proceedings*

TECHNICAL REPORTS

1. ZG Adme, MM Abdullah, "Analysis Of NATM Tunnel Responses Due To Earthquake Loading In Various Soils" *Research Experiences for Undergraduates in Japan. Final Report. http://wusceel.cive.wustl.edu/reujat/, 2003*
2. Jones, A. and ***Abdullah, M.***.. "Wind Flows Using Gambit/Fluent Using Computational Fluid Dynamics to Predict Maximum Flows on a High Rise Building", *Research Experiences for Undergraduates in Japan. Final Report. http://wusceel.cive.wustl.edu/reujat/, 2003*
3. Marcelin, S. and ***Abdullah, M. M.***, "Modeling of the Toggle-Brace Fluid Viscous Damper Configuration", *Research Experiences for Undergraduates in Japan. Final Report. http://wusceel.cive.wustl.edu/reujat/, 2002*
4. Henry, A. and ***Abdullah, M. M.***, "Developing a Magnetic Induction Structural Damper", *Research Experiences for Undergraduates in Japan. Final Report. http://wusceel.cive.wustl.edu/reujat/, 2002*
5. Norton, T. and ***Abdullah, M. M.***, "Using Virtual Reality as an Educational Tool for Earthquake Damage Mitigation", East Asia & Pacific Summer Institutes for U.S. Graduate Students (EAPSI). Final Report. http://www.nsftokyo.org/spmenu.html, 2002.
6. Norton, T. and ***Abdullah, M. M.***, "At a Glance: Natural Hazard Mitigation in Japan 2002", Natural Hazard Mitigation in Japan (NHMJ). Final Report. http://www.nd.edu/~quake/nhmj/, 2002.
7. ***Abdullah, M. M.***, Hill, M. and Wilson, C. *"Determination of Natural Frequencies and Mode Shapes of Multi Degree of Freedom Structures", University Consortium on Instructional Shake Tables. Final Report. http://wusceel.cive.wustl.edu/ucist/, 2001*

TECHNICAL PRESENTATIONS - INTERNATIONAL

1. Walsh, K.K. and ***Abdullah, M. M.***, "Control of Civil Structures Using Semi-Active Stiffness System Based on Variable Amplification," PRC-US Earthquake Engineering Forum for Young Researchers, Harbin, China, 2006.
2. Norton, T. and ***Abdullah, M. M.***, "Development of the Universal Damage Function for Natural Hazard Damage Assessment", Young Researchers Symposium, Tokyo, Japan, June 2004.
3. Adme, Z., and ***Abdullah, M. M.***, "Analysis of NATM Tunnel Responses due to Earthquake Loading in Various Soils", *REUJAT Symposium, Tokyo, Japan, 7/2004*
4. Villarreal, K., Wilson, C. and ***Abdullah, M. M.***, "Effects of MR Damper Placement on Structure Vibration Parameters", *REUJAT Symposium, Tokyo, Japan, 7/2004*
   Norton, T. and ***Abdullah, M. M.***, "Development of Combined Earthquake and Hurricane Damage Functions", University of Tokyo, Tokyo, Japan, 6/2004
5. Jones, A., Ishihara, T., ***Abdullah, M. M.***, and Walsh, K. K. "Use of wind turbines in urban environments", REUJAT Symposium, Tokyo, Japan, 2003
6. Hill, M. and ***Abdullah, M. M.***, "Structural Health Monitoring", Young Researchers Symposium, Kyoto, Japan, 6/2003
   Walsh, K. and ***Abdullah, M. M.***, "Flow Around Bluff Bodies", Young Researchers Symposium, Kyoto, Japan, 6/2003
7. Norton, T. and ***Abdullah, M. M.***, "An Earthquake Analysis of an Existing Structure in the Southeast Region of the United States", Young Researchers Symposium, Tokyo, Japan, June 2002.
8. Henry, A. and ***Abdullah, M. M.***, "Use of a Structural Magnetic Induction Damper (SMID) for Reducing Building Response", *REUJAT Symposium, Tokyo, Japan, 6//2002*
9. Marcelin, S. and ***Abdullah, M. M.*** "Alanysis of the Toggle Brace Damper

Configuration", *REUJAT Symposium, Tokyo, Japan, 6/2002*
Abdullah, M. M., "Overview of the Wind Hazard and Earthquake Engineering Lab (WHEEL) at the FAMU/FSU College of Engineering", *University of Tokyo, Japan, 6/17/2001*
10. Richardson A. and ***Abdullah, M. M.*** "Use of Genetic Algorithms for Sensor/Actuator Placement on Civil Engineering Structures", *University of Tokyo, Japan, 6/17/2001*
11. Norton, T. and ***Abdullah, M. M.***, "An Earthquake Analysis of an Existing Structure in the Southeast Region of the United States: Preliminary Findings", Young Researchers Symposium, Kyoto, Japan, 6/2001
12. Richardson A. and ***Abdullah, M. M.*** "Use of Genetic Algorithms for Sensor/Actuator Placement on Civil Engineering Structures", *Tokyo Institute of Technology, Japan, 6/17/2001*
13. Wilson, C. and ***Abdullah, M. M.*** "Use of MR Fluid Dampers to Reduce Building Vibrations", *Tokyo Institute of Technology, Japan, 6/17/2001*
14. ***Abdullah, M. M.,*** "Mitigation of Wind Damage from Hurricanes," *University of Cape Town, Capetown South Africa, 7/15/2000*

TECHNICAL PRESENTATIONS - NATIONAL

15. Walsh, K. K. and ***Abdullah, M. M.***, "Semi-active control of civil structures using variable amplification," World Conference on Structural Control and Monitoring, San Diego, California, 2005.
16. Norton, T. and ***Abdullah, M. M.***, "An Earthquake Analysis of an Existing Structure in the Southeast Region of the United States", National Society of Black Engineers National Convention, Orlando, Florida, March 2002.
17. Norton, T. and ***Abdullah, M. M.***, "An Earthquake Analysis of an Existing Structure in the Southeast Region of the United States", National Society of Black Engineers National Convention, Orlando, Florida, 3/2002
18. Noriega D., Austin Q., and ***Abdullah, M. M.,*** "Use of Mathcad and Matlab in Civil Engineering Mechanics", *HBCU-UP Conference Albany GA*, 2/2002
19. Richardson A and ***Abdullah, M. M.,*** "Use of Genetic Algorithms for Sensor/Actuator Placement", *Washington University in St. Louis, 9/2001*
20. Henry, A., ***Abdullah, M. M.***, and Richardson, A. "Placement using Elimination of Feedback Controllers", National Society of Black Engineers Regional Conference, Spring 2001
21. Henry, A. ***Abdullah, M. M.,*** and Richardson, A. "Placement using Elimination of Feedback Controllers", National Society of Black Engineers National Conference, 2001
22. Hill, M., Wilson, C., Richardson, A. and ***Abdullah, M. M.***, "The Effectiveness of the TMD in Reducing Building Vibrations", 9th Annual Ronald E. McNair Scholars National Conference, Delevan, WI, 11/2000
23. Hill, M., Wilson, C., Richardson, A. and ***Abdullah, M. M.***, "The Effectiveness of the TMD in Reducing Building Vibrations", 6th Annual SAEOPP/UTK McNair Scholars Conference, Knoxville, TN, 07/2000
24. Richardson A and ***Abdullah, M. M.,*** "Use of Genetic Algorithms for Sensor/Actuator Placement", *NASA Dryden Space Flight Center at Edwards Air Force Base for Technical Personnel, 3/2000*
25. Norton, T. and ***Abdullah, M. M.***, "Evaluating the Effectiveness of Using a TMD on a Multi-story Building with Base Isolation", 8th Annual Ronald E. McNair Scholars National Conference, Delevan, WI, November 1999.

26. Norton, T. and ***Abdullah, M. M.***, "The Effectiveness of the Tuned Mass Damper in Reducing Building Vibrations", 5th Annual SAEOPP/UTK McNair Scholars Conference, Knoxville, TN, 07/1999
27. ***Abdullah, M. M.,*** "Location and Gains of Feedback Controllers on Civil Structures ", *NSF Workshop on the Advancement and Retention of Underrepresented and Minority Engineering Educators*, 9/1998
28. ***Abdullah, M. M.*** "Location and Gains of Feedback Controllers on Civil Structures," *Duke University*, 12/1997
29. ***Abdullah, M. M.,*** "Optimal Output Feedback Control of Civil Structures", John D. Miles Lecture Series, Notre Dame University 3/1997

OTHER INVITED PRESENTATIONS

1. Abdullah***, M. M.***, Norton, T., and Wilson, C.M.D., "Women in Engineering", Girls in Science Enrichment Program, Florida A&M University, May 2004.
2. Norton, T. and ***Abdullah, M. M.***, "MCEER WEBCAST: Earthquake Engineering Research at Florida A&M University", May 2003.
3. Hill M., Norton, T., Richardson, A., Gross, S. and ***Abdullah, M. M.***, "Why You Should Go To Graduate School", FAMU FGAMP, March 2002.
4. ***Abdullah, M. M.***, Starks, O., Richardson, A., Norton, T., and Christmas, A., "How to Succeed in Graduate School", FGAMP, Florida Agricultural and Mechanical University, May 2001.
5. Starks, O., Norton, T., Richardson, A., Gross, S. and ***Abdullah, M. M.***, "Why You Should Go To Graduate School", FAMU FGAMP, March 2001.
6. Norton, T. and ***Abdullah, M. M.***, "The Effectiveness of the Tuned Mass Damper in Reducing Building Vibrations", FAMU-FSU ASCE Student Chapter Meeting, Tallahassee, FL, January 2000.
7. ***Abdullah, M. M.,*** "Images of Possibility", Promise Summer Institute, UMBC, *8/2005*
8. ***Abdullah, M. M.***, Norton, T., and Wilson, C.M.D., "Women in Engineering", *Girls in Science Enrichment Program*, Florida A&M University, May 2004.
9. Norton, T. and ***Abdullah, M. M.***, "MCEER WEBCAST: Earthquake Engineering Research at Florida A & M University", 5/2003
10. ***Abdullah, M. M.,*** "Why You Should Go To Graduate School", *FAMU FGAMP, 6/2003*

Hill M., Norton T., Richardson A., Gross S. and ***Abdullah, M. M.*** "Why You Should Go To Graduate School", *FAMU FGAMP, 3/2002*

11. ***Abdullah, M. M.,*** Starks, O., Richardson, A., Norton, T., and Christmas, A., "How to Succeed in Graduate School", FGAMP, *Florida Agricultural and Mechanical University*, 5/2001
12. Hitchmon, K., Henry, T. and ***Abdullah, M. M.,*** "Role of Kemetic Women in Science, Engineering and Technology", *Annual Imhotep Research Conference, FAMU, 4/2001*
13. Starks O., Norton T., Richardson A., Gross S. and ***Abdullah, M. M.,*** "Why You Should Go To Graduate School", *FAMU FGAMP, 3/2001*
14. ***Abdullah, M. M.,*** "Life Choices," *Dade Street Community Center*, 10/1997

Department Service Activities
Tenure and Promotion Committee, 2007-2008
Chair, Undergraduate Curriculum Committee, 2004-2005
Department Fundraising Committee, 2004-2005

Member, Civil and Environmental Engineering Chair Search Committee, 2004-2005
Member, Environmental Engineering Faculty Search Committee, 2004-2005
Chair, Assistant in Academic & Research Activities Search Committee, 2003
Member, Panama City Faculty Search Committee, 2003
Chair, Civil Engineering Student/Faculty Committee, 1998-2003
Chair, Construction Engineering Faculty Search Committee, 1998
Member, ABET Committee, 1997

Department and College Service Activities
College Academic Program Coordinators (CAPC), 2004-2005
Faculty Advisor, Florida Engineering Society, 2002-2005
Faculty Advisor, National Society of Black Engineers, 1999-2005
Faculty Advisor, Tau Beta Pi Engineering Honor Society, 1998-2005
Instructor, EIT REVIEW Sessions, 1998-2005

University Service Activities
Member, FAMU Dean's Council, 2007- 2011
Member, FAMU University Accreditation Committee, Federal Mandates, 2007-2011
Member, FAMU Institutes and Centers Committee, 2007-2011
Chair, University Tenure and Promotion Committee, 2007
Chair, Institutes and Centers Committee, 2006-2007
Chair, Provosts Committee on Faculty Effort, 2006-2007
Chair, Research Advisory Committee, 2005-2007
Chair, Faculty Subcommittee, National Science Foundation Corrective Action Task Force, 2005
Member, National Science Foundation Corrective Action Task Force 2005
Member, Institutional Level Assessment Committee 2005-present
Member, Enterprise Institutional Technology Steering Committee, 2005-2006
Member, Enterprise Institutional Technology Steering Committee, Administrative Computing Sub Committee, 2006
Member, Enterprise Institutional Technology Steering Committee, Administrative Computing Sub Committee, 2006
Member, State University System, National Security Initiatives, 2005-present
Corrective Action Committee for National Science Foundation, Florida A & M University 2005-2007
Associate in Research Search Committee, Division of Research, Florida A & M University, 2003-Present
Researcher of the Year Award Criteria Sub Committee, Division of Research, Florida A & M University, 2003-2005
Research Advisory Committee, Division of Research, Florida A & M University, 2003-2005
Planning Committee, Imhotep Student Research Conference, 2002-2005
FAMU Faculty Senate, 1998-2000
Steering Committee, FAMU Faculty Senate, 1998-2000
Marshal, Honors Convocation, 1997, 2001
Speaker & Participant, Florida Georgia Louis Stokes Alliance for Minority Participation (FGAMP) Program, 2001-2003
Participant, Leadership Retreat, Florida Institute for Leadership Excellence, 2001

Judge, Imhotep Student Research Conference 1997, 2002