

David W. White, Ph.D., DTE

Associate Professor, Florida Agricultural and Mechanical University

OFFICE LOCATION

Gore Education Center Unit C, Room 320
Tallahassee, FL 32307

OFFICE CONTACTS

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EDUCATION

The Ohio State University, Ph.D., Technology Education, August 2006
The Ohio State University, M.A., Technology Education, August 2004
The Ohio State University, B.S., Technology Education, June 2000
Columbus State Community College, A.A., Graphic Communications, 1993

CURRENT PROFESSIONAL ASSIGNMENTS AND ACTIVITIES (Non-Teaching)

Coordinator, STEM Education Program (Graduate) Spring 2015-Present

CERTIFICATIONS

NASA Lunar/Meteorite Sample Disk Certification, 2016
NASA Minority University Research Education Projects (MUREP), 2016 NASA Kennedy Space Center MEI Pre-Service Institute, 2016
Florida A&M University Online Teaching Certification, 2010
Florida Department of Education, Clinical Educator Supervisor, 2009
Blackboard Online Teaching and Learning Certification, 2010
State of Ohio Teacher Certification, GR 5-12 Technology Education, 2006

ACADEMIC WORK EXPERIENCE

Teaching Assignments: *Florida A&M University (2008-Present)*

Undergraduate

BTE 4220 Introduction to Information Systems
EDG 1072 – College Success and Beyond
EIA 1049 Introduction to Teaching Technology Education
EIA 2284C Standards Based Processes in Technology Education
EIA 3230C Processes and Testing of Engineering Materials
EIA 3223C Issues in Appropriate Technologies
EIA 3237C Transportation Systems
EIA 3275C Energy & Power in Technology Education
EIA 3403 Arts and Crafts
EIA 4220C Robotics and Automation in Technology Education
ETE 2210C Introduction to STEM Education
ETE 4212C STEM Technologies for K-12 Educators
EVT 3665 Employee-Employer Relations
EME 2040 Introduction to Educational Technology

Graduate

EDA 5275 Applications of Technology
EDF 5443E Assessment for Student Learning
EDG 5940E Instruction, Learning and Assessment Internship
EIA 5140 EIA 5140 Curriculum Planning in Technology Education
EIA 5640 Trends and Issues in Technology Education
EIA 5669 Special Problems in Technology Education

EIA 5750 Research in Technology Education
EIA 5800 Philosophy of Industrial/Technology Education
EIA 5811 Laboratory Planning for Technology Education
EME 5603E Instructional Design
EVT 5265 Instruction Method in Technology Education
EVT 5766 Testing and Evaluation in Technology Education

Teaching Assignments: *Florida A&M University Developmental Research School (Present)*
Foundations of Technology
Introduction to STEM Education (Dual Enrollment)

Teaching Assignments: *California University of Pennsylvania (2006-2008)*
TED 100 Introduction to Technology Education
TED 105 Communicating Technical Designs (Lecturer)
TED 126 Engineering Materials and Production Design
TED 226 Application and Processing of Engineering Materials
TED 335 Transportation Systems
TED 450 Teaching Technology in the Secondary Schools
TED 462 Professional Practices in Technology Education

Teaching Assignments: *The Ohio State University (2000-2006)*
EDU T&L 120 Technology Education Practices and the School
EDU T&L 220 Design of Constructed and Manufactured Goods
EDU T&L 221 Manufacturing Practices I
EDU T&L 222 Manufacturing Practices II
EDU T&L 235 Communications I
EDU T&L 236 Communications II
EDU T&L 355 Custom Production of Manufacturing Goods
EDU T&L 748.03 Reaching All Students in Math, Science and Technology Education

Columbus State Community College, Adjunct Faculty
Graphic Communications Department, January 1995 - June 2000

Teaching Assignments:
GRPH 112 Introduction to Computer Graphics
GRPH 122 Electronic Publishing I
GRPH 243 Computer Graphic Illustration
GRPH 251 Electronic Imaging
GRPH 282 Electronic Publishing II

HONORS/AWARDS/ RECOGNITION

International Technology and Engineering Education Association, Distinguished
Technology and Engineering Educator Professional Honor, 2018

NASA STEM Educator Professional Development Collaborative, NASA Emerging Stars
Network, 2016 Institutional Member, 2016

International Technology and Engineering Education Association - Certificate of
Recognition, ITEEA/FTEE Sprit of Excellence Breakfast Host, 2014 Orlando, FL Conference

International Technology and Engineering Education Association “Star of the Month” in
ITEEA STEM Connections Online Magazine, April, 2014

International Technology and Engineering Education Association, 21st Century

Leadership Associate, 2009-10

Florida A&M University

Graduate Faculty Status, School of Graduate Studies and Research, September, 2009

The Ohio State University

The James J. and Loretta C. Buffer Award in Industrial Technology Education, 2004

The Ohio State University

Graduate Associate Teaching Award Nominee, 2003

The Ohio State University

Technology Education Student of the Year, 2000

PROFESSIONAL MEMBERSHIPS

International Technology and Engineering Educators Association 2001-Present

Epsilon Pi Tau - Alpha Chapter 2002 - Present

World Association of Technology Teachers 2007-Present

Florida Technology and Engineering Educators Association 2010 - Present

Florida Association of Teacher Educators 2013 – Present

CIVIC MEMBERSHIPS

Generation Church 2016-Present

Christian Life Fellowship Church 2014-2016

The ARC of Florida (Intellectual and Developmental Disabilities Advocates), 2010 - Present

Aspies, Autis and Others (Autism Support and Outreach), Vice President 2013-Present

Leon County Advocacy Center, Special Needs and Disabilities Advocate 2012-Present

Tallahassee Autism Support Coalition Vice President, 2009- 2013

UNIVERSITY SERVICE

Coordinator, Curriculum and Instruction Programs (Graduate) Spring 2015-Spring 2017

Coordinator, Technology and Engineering Teacher Education Program Fall 2008-2107

NASA Minority University Research and Education Project (MUREP)

Faculty Sponsor/Mentor MUREP Educator Institute (MEI) at Kennedy Space Center 2016-2017

Florida Agricultural and Mechanical University

Faculty Senate, 2015-2017

Program Coordinator, Mathematics Teacher Education Program, 2014-2015

Florida Agricultural and Mechanical University Committees

Florida A&M University Wide Committees

University Curriculum Committee, 2014 - Present

Teacher of the Year Committee, 2014-Present

Student Technology Fee Committee, 2014-Present

NSF Interdisciplinary Collaborations Committee, 2008

Florida A&M College of Education Faculty Academic Committees

Chair, College of Education Curriculum Committee, Present

Committee Member, College of Education Technology Committee, 2011-Present

Committee Member, College of Education Curriculum Committee, 2012 – 2014

Committee Member, College of Education Recruitment Committee, 2009 -Present

Committee Member, College of Education Research, Reading and Writing Committee, 2013 - Present

Committee Member, College of Education Assessment Committee, 2008

Florida A&M College of Education Dissertation Committees

Department of Educational Leadership and Human Services

Shirley Armstrong, Candidate, (Graduated, Summer 2014)

Dissertation Title: Teachers' Communication and Impact on Student Motivation

Priscilla Seabrook Jenkins, Candidate, (Graduated Summer 2015)

*Dissertation Title: Factors Influencing Fundraising Effectiveness at Selected
Historically Black Colleges and Universities*

Sheila L. Merritt-Jackson, Candidate, (Graduated, 2016)

*Dissertation Title: Mathematics and Reading Achievement Gaps Among Third Grade Urban,
Rural, and Suburban Students in the Florida Panhandle*

Lanita Holsey, Candidate, (Graduated 2017)

*Dissertation Title: Why I Stayed: Career Experience of Homegrown African American
Female Administrators in an Under Resourced, rural School District*

David A. Evans, Jr., Candidate, (Graduated 2017)

*Dissertation Title: Implementing Financial Literacy in K-12 Schools: A Survey of School
Principals and Assistant Principals' Beliefs and Knowledge.*

Dissertation Committee Member, Desmond Hodge, Candidate, (ongoing)

Dissertation Committee Member, Terrance McNeil, Candidate, (ongoing)

Dissertation Committee Member, Gari Tookes, Candidate, (ongoing)

Dissertation Committee Member, Danny Glover, Candidate, (ongoing)

Florida A&M College of Education Faculty Search Committees

Search Committee Member, Dean, FAMU College of Education, Ongoing

Search Committee Member, Assistant Professor in Social Sciences, 2017

Search Committee Chair, Assistant Professor in Music Education, 2015

Search Committee Member, Associate Professor in Educational Leadership, 2014

Florida Agricultural and Mechanical University Ad-Hoc Committees

Committee Member, Student Professional Dispositions Committee, 2009

Committee Member, College of Education BTE Facilities Committee, 2008

Florida Agricultural and Mechanical University Developmental Research School

Committee Member, COE/DRS Action Research Team, 2014 - Present

Committee Member, FAMU DRS Teacher of the Year Committee, 2014- Present

ADDITIONAL UNIVERSITY SERVICE

Florida Agricultural and Mechanical University

Coordinator/Curriculum Writer, Online Graduate STEM Education Program, Present

Florida Agricultural and Mechanical University

Coordinator/Curriculum Writer, Technology Education Program (complete revision and program update to contemporary standards and requirements for Florida Department of Education certification) 2008-Present

Florida Agricultural and Mechanical University

Coordinator, Technology Education Program Folio Submission for Teacher Certification, 2008-2011 (Program Awarded Full Approval, 2010 – 2017)

Florida Agricultural and Mechanical University College of Education Media Creator

2103-2014 Alumni Reception Video

Florida Agricultural and Mechanical University College of Education Reading Writing and Research Committee Student Workshop, 2014

Cyberplagiarism: What Teaching Professionals Should Know

Florida Agricultural and Mechanical University College of Education Plagiarism Workshops, 2010

1) Cyberplagiarism: What Teaching Professionals Should Know (2 sessions)

2) Using Turnitin.com (2 sessions)

California University of Pennsylvania

TED In-service Team: Facilities Tour Guide/TED Promotion for Armstrong, PA School District k-12 Technology Education Teachers, 2007

California University of Pennsylvania

Committee Member, College of Education LiveText Committee, 2007

California University of Pennsylvania Upward Bound Program

Instructor, Advanced Engineering and Manufacturing Course, Summer 2007

California University of Pennsylvania

Co-Curriculum Writer, TED Equity Statement, 2007

California University of Pennsylvania

Student Recruiter, CAL U Open House, 2007

California University of Pennsylvania

Student Recruiter, Discovery Days at CAL U, 2006

Columbus State Community College

Curriculum Writer, Desktop Publishing II Course, 1998

Columbus State Community College

Student Recruiter, 1996 – 1998 - Columbus Graphics Expo (Columbus, OH)

PROFESSIONAL SERVICE

Smith-Williams Service Center, Board Member (2016-2017)

International Technology and Engineering Educators Association, Editorial Review Board, *The Technology and Engineering Teacher*. (2015-Present)

International Technology and Engineering Educators Association, Awards Committee Chair (2015-Present)

United States Department of State Bureau of Educational and Cultural Affairs -

Fulbright Scholar Program, Discipline Scholarship Review Committee Member. (2014 – Present)

Florida Association of Teacher Educators, Peer Reviewer for the FATE Journal, (2014-Present)

International Technology and Engineering Educators Association, Awards Committee Member, (2014-Present)

International Technology and Engineering Educators Association, Host University Representative at 76th Annual Conference, 2104

International Technology and Engineering Educators Association, Curriculum Reviewer for Engineering By Design, 6-12 *Fundamentals of Technology and Engineering Curriculum*

The College of Education STEM Academy, Florida A&M Developmental Research School, Administrator/Instructor January 2011-Present

International Technology Education Association, Council for Technology Teacher Educators - Twenty-First Century Leader Associate 2009-2011

Florida Department of Education

Coordinator, Statewide Course Numbering System for Technology Education 2009-Present
Technology Education Teacher Certification Examination Committee 2013-Present

Epsilon Pi Tau (Alpha Chapter)

Initiation Team, The Ohio State University, 2001 – 2006, 2008

Technology Education Collegiate Association

Faculty Advisor - The Ohio State University, 2002 – 2006

Faculty Advisor – Florida A&M University, 2009 – 2010

Technology Education Graduate Council

President, The Ohio State University, 2002 -2006

COMMUNITY/CIVIC SERVICE

Christian Life Fellowship Church, Worship Team, 2014-2016

Board Member, Tallahassee Autism Support Collation (TASC)/FLAWsome, (Autism Support and Outreach), (2009 – 2013)

Vice President of Board, Aspies, Aut's and Others (Autism Support and Outreach), (2013-Present)

Advocate, The ARC of Florida, (2010 –Present)

Leon County Advocacy Center, Special Needs and Disabilities Advocate 2012-Present

FLAWsome, Kite Party Coordinator, 2011

Walk for Autism, Tallahassee, 2009

Autism Spring Day Festival at Railroad Square, Tallahassee, FLAWsome Representative

Tallahassee Autism Support Collation, Paint Ball Extravaganza, Coordinator, 2010

Tallahassee Autism Support Collation, Halloween Horror House, Co- Coordinator, 2011

The Florida Gear-Up FAMU DRS Summer STEM Engineering by Design Enrichment Program – Program Coordinator (June 2010-Present)

FAMU DRS Summer Engineering Camp - Instructor (2012-Present)

FAMU DRS Summer Transportation Camp - Instructor (2012)

Florida Technology Student Association

Judge, Student Technology Education Electronics Contest, 2011, Orlando, FL

Judge, Student Technology Education Essay Contest, 2009, Orlando, FL

Florida Technology Education Association/Joint CTE Conference, Cocoa Beach, FL 2011

Faculty Advisor - STEM Festival Student Showcase

BOTS IQ, Southwestern PA Regional BattleBots Competition, Pittsburgh, PA

Safety/Technology Inspector, Safety/Tech (internal, external), Functionality Testing (Mobility and Weapons), Arena and Pit Area Operations, 2008

Pennsylvania Junior Academy of Science, PA Western Regional Competition

Judge (10th Grade - Physics), February 2007, 2008

Blueprint Communities, in Conjunction with Pittsburgh University's Graduate School of Public and International Affairs Coordinator, Blueprint Communities Revitalization

Project, Brownsville, PA, 2007

GRANTS AND GRANT WRITING

Funded:

NOAA Grant Management Division, B-Wet Grant, Co-PI, \$78,000.00 (2013-Present)

Florida A&M University, Broadband Technology Opportunities Program Grant (BTOP), Co-PI, \$1,400,000.00 (2010-Present)

ION Mini Urban Robotics Challenge Grant, PI, \$2000.00 (2011)

Sea Perch Robots Grant, PI, \$1,434.00 (2011)

Florida Gear-Up, Grant Writer and Coordinator/Instructor, \$25,000.00 (2010), \$35,000.00 (each year) - 2011, 2012, 2013, 2014

The Ohio State University, Graduate Assistant

Technology Enhanced Learning and Research Grant, \$4,000,000.00 2001 – 2003

Unfunded:

Florida A&M University, Title III, *Enhancing the "T&E" of STEM education in Rural and Urban Academic Settings. P.I., \$180,000.00*

NASA STEM Educator Professional Development Contract, Co-PI, \$15,000,000.00

NASA Science, Engineering, Mathematics and Aerospace Academy (SEMAA), Co-PI, \$750,000.00

Florida State University System Board of Governors TEAM Grant, Co-PI, \$5,000,000.00

**TEACH-IT: Teachers Enhancing and Changing Information Technology, Co-PI,
\$1,446,526.00**

Ongoing:

Florida A & M STEM Education Institute (SEI): Planet Earth and Collaborative Education (PEACE) Program, \$1,400,000.00

RESEARCH/PUBLICATIONS/PEER REVIEWED SCHOLARLY WRITING

Peer Reviewed/Refereed Publications

White, D.W. (In Progress). Collaborative STEM Strategies via Social Media. *The Journal of Technology Education*, Reston VA.

White, D.W. (In Progress). STEM on a shoestring; Low cost STEM Projects for Elementary Educators. *Children's Technology and Engineering*, Reston VA.

Blankinship, R., Davis, C., White, D, & Paquette, P. (In Review). Multiple Intelligences and Digital Literacy Skills – A Blended Model for Preparing the 21st Century Digitally Native Teacher Candidate. *Journal of Research on Technology in Education*.

White, D. W. (2014). What is STEM education and why is it important? Florida Association of Teacher Educators Journal, *1*(14), 1-8.

White, D. W. (2014). Issues in Cyberplagiarism: Influences that Affect Technology and Engineering Education. *The Technology and Engineering Teacher Online*, Reston VA.

White, D. W. (2014). Engaging students regarding special needs in technology and engineering education. *The Technology and Engineering Teacher*, Reston VA.

White, D. (2013). Urban STEM education: A unique summer program. *The Technology and Engineering Teacher*, *74*(5) 8-13. Reston VA.

Peer Reviewed Scholarly Writing

White, D. (2011). Technology Education Teacher Education for Program Approval Folio. The Florida Department of Education.

Non-Peer Reviewed

Florida Center for Research in (STEM) Science Technology, Engineering, and Mathematics. (2011). Florida STEM strategic plan: An action plan for systemic reform of STEM education and workforce readiness. Mabry Gaboardi, Rapporteur. STEM Strategic Plan Task Force. Tallahassee: Florida State University. **(Contributor)**.

White, D. (2006). The Influence of the Collaborative Videotape Assessment Process on Pre-service Technology Education Teachers' Confidence, Lesson Plan Preparation and Teaching Experiences. Dissertation: The Ohio State University

PEER REVIEWED PRESENTATIONS

International Technology and Engineering Education Association 79th Annual Conference, STEM Showcase, Dallas TX 2017, Topic: Sound to Light Waves

International Technology and Engineering Education Association 78th Annual Conference, Washington D.C. 2016, Topic: STEM Collaboration Through Social Media

International Technology and Engineering Education Association 78th Annual Conference, STEM Showcase, Washington D.C. 2016, Topic: STEM on a Shoestring

EDULEARN15 7th Annual International Conference on Education and New Learning Technologies, Barcelona, Spain 2015 Topic: Multiple Intelligences and Digital Literacy Skills – A Blended Model for Preparing the 21st Century Digitally Native

International Technology and Engineering Education Association 76th Annual Conference, Orlando, FL 2014, Topic: STEM Education for African Americans in Low-Income School Districts

International Technology and Engineering Education Association 76th Annual Conference, STEM Showcase, Orlando, FL 2014, Topic: Engaging Students with Special Needs in Technology Education.

Florida Technology Education Association/Joint CTE Conference, Kissimmee, FL, 2013
Topic: Integrative and Collaborative STEM Teaching Opportunities in Diverse Educational Settings.

Florida Technology Education Association/Joint CTE Conference, Cocoa Beach, FL 2011
Topic: Breaking Boundaries in Technology and Engineering Education.

International Technology Education Association, Baltimore, MD 2006

Topic: Cyberplagiarism: What Technology Education Professionals Should Know.

NON-PEER REVIEWED PRESENTATIONS

Florida Agricultural and Mechanical University College of Education Reading Writing and Research Committee Student Workshop, 2014, 2015

Topic: Cyberplagiarism: What Teaching Professionals Should Know

Florida Agricultural and Mechanical University Developmental Research School, 2014

Topic: Differentiated Instruction in K-12 STEM Classes

Florida Black Legislative Caucus, Tallahassee, FL 2014,

Topic: Improving STEM Education in K-12 Settings

FAMU College of Education Plagiarism Workshops, 2010, 2014

1) Cyberplagiarism: What Teaching Professionals Should Know (2 sessions)

2) Using Turnitin.com (2 sessions)

Blueprint Communities, in Conjunction with Pittsburgh University's Graduate School of Public and International Affairs, Brownsville, PA 2007

Presentation to Brownsville, PA Community Leaders and Blueprint

Communities Representatives Topic: Architectural Rendering: Dunlap Creek Bridge

Discovery Days at CAL U, California University of Pennsylvania, 2007

Presentation to Parents of Students Accepted Into the CAL U Upward Bound Program Topic: Why Your Child Should Take Technology Education.

Applied Engineering And Technology 2007 Spring Technology Conference, California, PA Topic: Cyberplagiarism in High School and College Settings: What Teaching Professionals Should Know.

California University of Pennsylvania Faculty Professional Development Center Workshop (California, PA 2007)

Topic: Cyberplagiarism: What Teacher Education Professionals Should Know.

PROFESIONAL DEVELOPMENT

Florida Agricultural and Mechanical University Workshops/Conferences Attended

CPALMS - Web-Based instruction for Florida educators regarding Florida Content Standards in K-12 Education, Workshop, 2015

Turning Your Teaching into Scholarship, 2014

Clinical Educator Training, 2009

Florida A&M IRB Training, 2009

Americans with Disabilities Act (ADA) Workshop, 2009

National Science Foundation Grant Proposal Workshop, 2008

Establishing a Customer Centered Environment, 2008

Assessment Training and Research Institute (ATARI) Workshop/Conference, 2009

Provost's Induction Symposium on Accomplished Teaching for the 21st Century...From the Cradle to Career, Tallahassee, FL, 2009

International Technology Education Association Conferences Attended

Dallas, TX 2017
Washington DC 2016
Orlando, FL 2014
Baltimore, MD 2006
Kansas City, MO 2005
Columbus, OH 2002

Florida Technology Education Association Conferences Attended

Kissimmee, FL, 2013
Cocoa Beach, FL 2011

MEDIA APPERIENCES

WCTV TV Tallahassee - FAMU DRS 2016 Learning Taken to New Heights
WCTV TV Tallahassee - FAMU DRS, 2009 STEM Summer Camp (Interviewed)
WCTV TV Tallahassee - FAMU DRS, 2010 STEM Summer Camp (Interviewed)
WCTV TV Tallahassee - FAMU DRS, 2011 Campers Launch Rockets (Interviewed)
WXLT TV Tallahassee - FAMU DRS, 2011 STEM Summer Camp (Interviewed)
WCTV TV Tallahassee - 2011 FAMU Broadband Technology Grant (Interviewed)
WCTV TV Tallahassee - FAMU DRS, 2013 STEM Summer Camp (Interviewed)
Tallahassee Democrat - 2009, *Camp Aims to Make Science Fun* (Interviewed/Photographed)

PROFESSIONAL REFERENCES

Dr. Paul E. Post

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Columbus, OH 43212
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post.1@osu.edu

Dr. Patricia West

400 Orange Ave
Tallahassee FL 32307
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Dr. Peggy Auman

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Florida A&M University
Tallahassee, FL 32307
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