

Dominick E. Fazarro, Ph.D.,CSIT

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EDUCATIONAL HISTORY

| | |
|---|--|
| Ph.D., Industrial Education & Technology 2001 | Iowa State University Ames, Iowa |
| M.S., Industrial Management 1992 | Central Missouri State University Warrensburg, Missouri |
| B.S., Manufacturing Design Technology <i>CUM LAUDE</i> 1989 | Norfolk State University Norfolk, Virginia |
| A.A.S. Drafting & Design Technology 1986 | Brookdale Community College Lincroft, NJ |

COLLEGE TEACHING EXPERIENCE

July-2007-PRESENT-Associate Professor- Department of Agricultural & Industrial Sciences-Sam Houston State University (Industrial Technology Program)

July 2006 –May 2007/Associate Professor-Industrial Technology Program, Department of Mathematical Sciences & Technology University of Arkansas at Pine Bluff

COURSES TAUGHT:

TECH 1302-Engineering Graphics
TECH 2367-Manufacturing Process & Assembly
TECH 3302-Advanced Design

August 2002-May 2006/ Assistant Professor-Industrial Technology Program, Department of Mathematical Sciences & Technology University of Arkansas at Pine Bluff

COURSES TAUGHT:

TECH 1302-Engineering Graphics
TECH 2367-Manufacturing Process & Assembly
TECH 3302-Advanced Design

August 1997-May 1998/Adjunct Drafting Instructor-Applied Sciences Department, Longview Community College

SECONDARY TEACHING EXPERIENCE

1995-96-Industrial Technology Teacher-Van Horn Engineering & Technology High School
Kansas City, Missouri

1996-97- Industrial Technology Teacher-Center Senior High School
Kansas City, Missouri

PROFESSIONAL EXPERIENCE

August 2001-June 2002/Assistant Coordinator- George Washington Carver Academy, Iowa State University

- Developed Carver Freshman Program
- Developed Minority Freshman Orientation Program for University for Vice President of Student Affairs
- Researched Freshmen learning Styles through students designing their class/study schedules with time management
- Mentored 25 freshmen students
- Supervised activities/recitations
- Supervised three Graduate Assistants
- Worked on Fall 2002 budget
- Conducted evaluations on the student's attitudes/perceptions of the program

PUBLICATIONS

Fazarro, D. (1999). Motivating African-American youth in technology education. *TechDirections*, 59 (1), 25-27.

Fazarro, D. (2003). Tech-Upward bound Program: A Program to introduce students to world of technology. *TechDirections*, 63 (7), 26-27.

Fazarro, D. & Martin, B. (2004). Comparison of learning styles of agriculture, human sciences, and industrial technology students at a historically black university. *Workforce Education Forum*, 31 (2)

Fazarro, D. & Stevens, A. (2004). Topography of learning styles preferences for undergraduate students in industrial technology and engineering programs at historically Black and predominately white institutions. *Journal of Industrial Teacher Education*, 41 (3), 5-30. **(Outstanding Manuscript of the Year 2003-04)**

Fazarro, D. (2005). An investigation of learning style preferences based on socio-economic status of African American students at a historical black university in the delta region of South Central United States. *International Journal of Knowledge, Culture and Change Management*, (4), 1076-1079.

Fazarro, D. & Buckner, E. (2005). What is your learning style preference?: A look at industrial technology and agriculture students. *The Online Journal for Workforce Education and Development*, 1(3), 1-14.

Lusk, S. & **Fazarro, D.** (Summer, 2006) The Effects of Psychosocial Factors on Career and Workforce Development for Students with Disabilities. *Journal for Workforce Education and Development*, 2 (3), 1-20.

Ullrich, D. R., Pavelock, D. & **Fazarro, D.** (2007). Effectiveness of Career and Technology Student Organizations (CTSOs) in Texas. *The Online Journal for Workforce Education and Development*. 3 (4), 1-11.

Fazarro, D., Pannkuk, T., Pavelock, D., & Hubbard, D. (2009). The Effectiveness of Instructional methods based on Learning Style Preferences of Agricultural Students: A Research Tool for Continuous Improvement for Faculty in Career and Technical Education (CTE) Programs . *Journal of Industrial Teacher Education*, 45(3)

BOOKS

Fazarro, D. (contributing author) Edward W. Deming. *Encyclopedia of the Industrial Revolution 1750-2007*. (Editors Sanford, G.M. & Hendrickson III, K.E.) Fax on File Publishing (Manuscript Accepted)

GRANTS

- 1999-Assisted in writing a proposal for renewing the Alcoa Grant for \$50,000 for recruiting efforts (*not funded*)
- 2000-Assisted in writing the Iowa State University Horizons Advanced Computer and Instructional Lab Grant for upgrading hardware and software for the Industrial Education & Technology Graduate Computer Lab\$25,000(*not funded*)
- 2002-Co-wrote \$40,000 Title III grant for computer upgrade for AutoCad and student labs for the Industrial Technology Program (*funded*)
- 2003-04UAPB Incentives Grant Learning Style Research \$1,200 (*funded*)
- 2004 U.S. Department of Education-Student Learning and Cognition \$471,000 (*not funded*)
- 2006-STEM Seed Grant-Investigation of the Learning Preferences of Biology and Chemistry students \$600 (*funded*)
- 2007-Susan Harwood Training Grant Program, \$235,473(*not funded*)
- 200- Enhancement Grant for Research (SHSU) \$ 18,000 (*not funded*)
- Texas Parks and Wildlife Department State Park On-Site Visitor Survey Assessments."Submitted Feb. 2008Co-Lead: Lau, Michael, Co-Lead: Marcy Beverly, Kyle Stutts, and Dominick Fazarro, \$19,020 (*funded*)
- 200- Nanotechnology Undergraduate Education (NUE) in Engineering: *NUE Nanotechnology Undergraduate Curriculum Addressing Environmental Issues*, NSF, \$500,000 (*not funded*)
- 2009-Enhancement Grant for Research (SHSU) \$ 18,000 (*submitted*)

RESEARCH AREAS

- Learning Styles
- Nanotechnology Education
- Workforce Education and Development

RESEARCH

1999- A comparative study on the learning styles preferences of at-risk and successful students at two high schools in the Des Moines School District, Iowa

2002-A comparative study on the learning styles preferences and academic majors of freshman students at University of Arkansas at Pine Bluff. Funded by Research Incentives at UAPB. Principal Investigator: Dominick Fazarro

2003-A comparative study on the learning style preferences of freshman students by parent structure and socio-economic status at University of Arkansas at Pine Bluff. Funded by Institutional Incentives at UAPB. Principal Investigator: Dominick Fazarro

2003-A comparative study on the learning style preferences of Human Science, Agriculture, and Industrial Technology students at University of Arkansas at Pine Bluff. Principal Investigator: Dominick Fazarro

2006-A comparative study on the learning style preferences and the impact of teaching to their styles of Chemistry and Biology majors. Funded by NSF-HBUC/STEM Grant- University of Arkansas at Pine Bluff. Principal Investigator: Dominick Fazarro

2007-08-Measuring the effectiveness of learning style preferences on Agriculture majors using the PEPS. Principal Investigator: Dominick Fazarro

PRESENTATIONS

Fazarro, D. Motivating African American Students in Technology at Predominately White Institutions
The 1999 National Higher Education Students of Color Conference, Oct. 27-30, Minneapolis, MN.

Fazarro, D. & Sommerville-Allen, L. Learning Styles: What We Need to Know-2002 Iowa State Conference on Race and Ethnicity. Ames, IA-March 1, 2002

Fazarro, D. A Parent and Community Empowerment Summit: Our Children-Our Responsibility “No Child Left Behind” *Served on Panel Discussion*-Linking Quality Workforce and Career Education to College Preparation, Little Rock, AR, December 7, 2003

Fazarro, D. ,Colen, C. & Duffy, O.C. Industrial Mentoring Program: A Proactive Program to Mold Industrial Technology Students for Industry. National Association of Industrial Technology, Nashville, TN, November 19-22, 2003

Fazarro, D. & Martin, B. Comparative Study of Learning Styles of Agriculture, Human Sciences, and Industrial Technology Majors. Association of Career and Technical Education (ACTE), Orlando, FL, December 10-14, 2003

Fazarro, D. & Martin, B. The Comparison of Learning Style Preferences of African American Freshman Students by Parent Structure and Socio-Economic Status at a Historically Black Colleges and Universities (HBCU) American Education Research Association (AERA) San Diego, CA, April 12-16, 2004

Fazarro, D. An Investigation of Learning Style Preferences Based on Socio-Economic Status of African American College Students at a Historical Black University in the Delta Region of South Central United States. The 4th International Conference of Knowledge, Culture, and Change in Organizations. (Virtual Presentation) University of Greenwich, London, England August 3-6, 2004

Fazarro, D. & Martin, B. The Use of Learning Style Preferences in Selected Majors at a Historically Black University. American Education Research Association (AERA) Montreal, Canada, April 11-15, 2005

Fazarro, D. & Martin, B. The Comparisons of Learning Style Preferences of Vocational-Technical Programs. American Education Research Association (AERA) Montreal, Canada, April 11-15, 2005

Fazarro, D. & Colen, C. Recruiting Minority Students in the Industrial Technology Program at the University of Arkansas at Pine Bluff Through the Science, Technology, Engineering, and Mathematics (STEM) Program National Association of Industrial Technology, St. Louis, MO, November 16-19, 2005

Fazarro D. Learning Styles: What do we need to do to improve the learning environment. Association of Career and Technical Education Conference, Atlanta GA, Nov 28-Dec2, 2006 (Workshop)

Fazarro, D. & Caso, R. Empowering Faculty Using Embedded Assessment for Program Evaluation and Intuitively Understandable Displays of Assessment Evidence for Accreditation, The Clute Institute Teacher and Learning Conference Las Vegas NV, October 1-4, 2007

Pavelock, D., Ullrich, D., Kingman, D. & **Fazarro, D.** Using Service Activities to Recruit Students for Higher Education: An Effective Means of Time and Effort? The Clute Institute Teacher and Learning Conference Las Vegas NV, October 1-4, 2007

Fazarro, D. & Kornegay, A. Virtual Data Room: Empowering Industrial Technology Programs to Prepare for NAIT Accreditation. National Association of Industrial Technology, Panama City Beach, FL, October 23-27,2007

Kornegay, T. **Fazarro, D.** & Kornegay, A. Training and Development of a Nanomanufacturing Workforce . National Association of Industrial Technology, Panama City Beach, FL, October 23-27,2007

Fazarro, D. & Caso, R. Empowering Faculty to Conduct Student-Learning-Centered Program Evaluation with Course-Embedded Assessment and Virtual Data Room, 9th Annual Texas A&M University Annual Assessment Conference College Station, TX February 21-25, 2008

Fazarro, D. The Evolution of Nantechology Education: Lateral diffusion for the 21st Century Workforce, NanoTx Conference, Dallas TX, October 2-3, 2008

Kornegay, A., Hoffa, D. & **Fazarro, D.** Biotechnology: Gearing up to Manufacture Alternative Fuels, National Association of Industrial Technology (NAIT) Conference Nashville TN, November 18-22, 2008

Hoffa, D. **Fazarro, D.** & Kornegay, A. The National Training and Consulting Database Initiative, National Association of Industrial Technology (NAIT) Conference Nashville TN, November 18-22, 2008

Steinke, L. & **Fazarro, D.** Implementing Problem-Based Learning Into Multimedia Courses, National Association of Industrial Technology (NAIT) Conference Nashville TN, November 18-22, 2008

Tybula, W. & **Fazarro, D.** Developing a Need for Nano-Safety: Presenting the Unknowns, National Association of Industrial Technology (NAIT) Conference Nashville TN, November 18-22, 2008

Fazarro, D. & Kornegay, A. Future Shock: What Would a Nanotechnology Curriculum Look Like?, Association of Career and Technical Education (ACTE) Charlotte NC, December 4-6, 2008

Steinke, L., **Fazarro, D.** & Putnam, A.R. Implementing Problem-Based Learning Into Technology Education: Reinforcing Industries' Needs, Association of Career and Technical Education (ACTE) Charlotte NC, December 4-6, 2008

GRADUATE TEACHING EXPERIENCE

GEDU 5320-Application of Statistical and Research Education

- Member of the graduate faculty-University of Arkansas at Pine Bluff
- Taught statistics an overview of (t-test ANOVA, ANCOVA, MANOVA, CORRELATION, REGRESSION, FACTOR ANALYSIS)
- Taught research design quantitative and qualitative (descriptive, quasi-experimental, experimental)
- Assigned end of semester project –mini proposal on three chapters along with a PowerPoint presentation
- Wrote exam questions for statistics and research for Master Degree candidates
- Assisted in redesigning the curriculum (research and statistics courses) for the Master Degree of Education

Methodologist Consultant

- Worked with eight doctoral students (Ed Leadership) on chapter three
- Explained various research methods and statistical analysis that is suitable for research topics
- Assisted students in preparing PowerPoint defense presentations

Doctoral/Master Committees

- Committee Chair-Sam Houston State University (Mariana Freties)
- Committee Member-University of Arkansas Medical School (Marion Evans)
- Committee Member-Sam Houston State University (Edna Kingsley)
- Committee Member-Sam Houston State University (Melissa Burgess)

Dissertation Boot Camp

Nova University (West Palm Beach Cluster)

- Provided mentoring for students who are in the process of writing
- Provided doctoral students direction to write a quality dissertation
- Provided intense workshop on how to write chapters 1,2,3,4, & 5
- Provided students how to choose a statistical analysis to answer research questions

DATA MANAGEMENT/EVALUATION EXPERIENCE

June-August 1995/Assistant Researcher (Research Internship)-Kauffman Foundation, Kansas City, MO.

- Assisted in evaluating and collecting data for the Freedom School, Big Brothers & Big Sister Organizations
- Used SPSS to generate descriptive statistics from databases to prepare findings for reports

Data Manager-EDS/GM Fairfax Plant-Kansas City, Kansas (1997-1998)

- Collected quality control data for 600 cars per week
- Downloaded data into (OZ) program to generate reports
- Posted data for Dimensional Engineers to view in data room
- Prepare reports for managers

Data Manager-STEM/NSF HBCU-UP Program University of Arkansas at Pine Bluff (July 2004-PRESENT)

- Five year grant from the National Science Foundation
- Collect data every semester to generate reports on students academic progress for external advisory committee
- Collect data on STEM Scholars' ACT and GPA
- Use SPSS to generate results
- Develop surveys of program satisfaction to collect student's perception of the program every semester
- Develop data collecting protocol for STEM faculty to coordinate deadlines for retrieving data
- Coordinate with Institutional Research Director to obtain data for reports
- Developed a budget for purchasing technology equipment
- Coordinate with Chairpersons to collect data for reports
- Prepare end of the year reports for the National Science Foundation

OTHER STEM ACTIVITIES

- Recruited at high schools in the Delta region of Arkansas
- Serving as STEM faculty mentor for three STEM scholars
- Supervised three research assistants on research project funded by STEM Seed Grant

Data Manager/Standard Two Assessment Team-National Accreditation for Teacher Education (NCATE) (Nov 2004-May 2005)

- Generate statistical data to prepare reports for team visit
- Develop Data Room for faculty to view data every semester to improve teaching and curriculum
- Coordinate with Dean of School of Education and Assessment Coordinator to establish data collection schedule and method of collecting data

NAIT ACCREDIATION (University of Arkansas-Pine Bluff) 2006-2007

- Prepared Assessment write-up for Self-Study
- Prepared NAIT Evidence Room/Virtual Data Room for accreditation visit

CONSULTING-ASSESSMENT AND DATA COLLECTION

Consulted for Edu-Care International (Supplemental Education Service Provider) July 2004-March 2005

- Generated end of the year reports for eight school districts
- Prepared databases using SPSS for input of data
- Generated bi-monthly reports on student progress in tutorial programs
- Generated pre and post test results based on company's exams to show client positive or negative student academic progress

OTHER CONSULTING WORK

- Evaluated the effectiveness of the John Deere Team Scholars Program
- Designed a evaluation model for the Teacher Advisement Grant-Savannah School District
- Worked with data collection and analysis on customer satisfaction survey (university wide)
- Evaluation Committee Chairperson –university assessment NCA/HLC(UAPB)
- Generated survey data for Arkansas Baptist College
- Conducted data analyses and developed data bases for the Kiwanis Pheifer Camp
- External Provider-Minnesota Department of Education

- Developed evaluation model for the School of Business and Management (UAPB)
- Coordinated the evaluation of the Online Journal for Workforce Education and Development (Southern Illinois University)
- Conducted needs assessment at the Alexandria Center's (Department of Youth Services-AR) Education Program
- Facilitated workshop on mentoring first-generation college students-Des Moines Area Community College

PROFESSIONAL DEVELOPMENT

Based on nine years of research, workshops were conducted on re-designing the classroom/learning environment based the learning style preferences of students of poverty at these school districts:

- Eudora School District (Arkansas)
- West Helena School District (Arkansas)
- Parkin School District (Arkansas)
- Sam Taylor Elementary School (Arkansas)
- Earle School District (Arkansas)
- Memphis School District (Tennessee)
- Hermitage School District (Arkansas)
- Baseline Elementary (Arkansas)
- Alternative Learning Center-Little Rock School District (Arkansas)
- Austin Independent School District (Texas)
- Smith Academy-Aldine ISD (Texas)

INDUSTRY EXPERIENCE

Composite Designer-Newport News Shipbuilding and Drydock Co. (1989-1990)

Data Manager-EDS/GM Fairfax Plant-Kansas City, Kansas (1996-1997)

Inventory Control/Logistics-U.S. Army (1993-2001)

PROFESSIONAL AFFILIATIONS/AWARDS/COMMITTEES/UNIVERSITY SERVICE

Epsilon Pi Tau

Sigma Xi

2007 Epsilon Pi Tau Laureate Citation

American Evaluation Association

National Association of Industrial and Technical Teacher Education (NAITTE)

NAIT(National Association of Industrial Technology)

Association for Career and Technical Education (ACTE) (7/04-Present)-Chairperson of Awards Committee-Engineering and Technology Education Division

Association for Career and Technical Education (ACTE)-Engineering and Technology Education Division

Presentation Reviewer-(Engineering and Technology Education Division) Association for Career and Technical Education (ACTE)

Representative -ACTE Public Information Standing Committee (7/04-7/06)

Association for Career and Technical Education (ACTE)-Engineering and Technology Education Division-(7/07-Present)

Post-Secondary Representative

National Association of Industrial Technology (NAIT)-Certified Senior Industrial Technologist

President Elect-Industry Division (NAIT) 2007-Present

Chaired (3-08)-Member of the National Visiting Committee-National Science Foundation Grant (Omaha, NB)

1998 International Who's Who of Professional Management

The 2003-04 Research Article of the Year-Journal of Industrial Teachers Education (JITE)

The 2004 Service Award-Technology Education Division/Association for Career and Technical Education (ACTE)

The 2007 Service Award-Technology Education Division/Association for Career and Technical Education (ACTE)

The 2005 Outstanding Service on the Public Information Committee (ACTE)

The 2006 NAITTE-G. Harold Silvius Outstanding Young Teacher Educator Award

2007 Who's Who Among American Teachers

Editorial Board-Online Journal for Workforce Education and Development (Southern Illinois University)

Editor-Special Issue "Evaluating Workforce Education"- Online Journal for Workforce Education and Development Vol 3 Number 4 (2007)

Dominick E. Fazarro

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Editor and Chief -Journal of Technology Studies (2008-Present)
Reviewer-Journal of Industrial Technology (JIT) (2006-Present)
Reviewer-Journal of Industrial Teacher Education (JITE) (2006-Present)
NSF/HBUC-UP STEM Program-Data Manager
NCATE Standard 2 (Assessment)-Committee
Ronald McNair Faculty Mentor
IT Alumni Committee (SHSU)
Curriculum Committee (SHSU)
Keynote speaker (2004-Asessment Conference at UPAB)
NAIT Student Chapter Advisor (Dept.-SHSU)
Co-founded the Texas State University System Nanotechnology Task Force