

 **PHILIP DAVID WEINSIER**

Bowling Green State University Firelands
Department of Applied Sciences
One University Drive, Huron, OH 44839
Office: 419.372.0628 Fax: 419.433.9696
philipw@bgsu.edu

I. Academic Degrees

- Ed.D. Vocational and Technical Education, 1990, Clemson University
Dissertation Title: A covert approach to measuring computer anxiety as a factor influencing university student study interest
- M.In.Ed. Master of Industrial Education, 1979, Clemson University
Degree emphasized electronics in education.
- B. S. Bachelor of Science, 1978, Berry College
Double major: Physics and Industrial Education

II. Academic Positions

A. Teaching Positions

1. Professor: BGSU Firelands, Department of Applied Sciences (2016–present)
Program Director: Electrical/Electronic Engineering Technology (2002–present)

Associate Professor (tenured): BGSU Firelands, Department of Applied Sciences (2010–2016)
Program Director: Electrical/Electronic Engineering Technology (2002–present)

Assistant Professor: BGSU Firelands, Department of Applied Sciences (2004–2010)

Instructor: BGSU Firelands, Department of Applied Sciences (2002–2004)
2. Adjunct Professor (of electronics): University of Central Florida
Department of Engineering Technology. Orlando, FL (1995–2002)

3. Assistant Professor: Northern Michigan University
Department of Electronics. Marquette, MI
(1991–1995)
4. Lecturer (electronics): Appalachian State University
Department of Technology. Boone, NC
(1990–1991)
5. Graduate Teaching Assistant: Clemson University
Department of Industrial Technology. Clemson, SC
(1985–1989)
6. Instructor: West Orange High School. Winter Garden, FL
(1980–1984)
7. Graduate Teaching Assistant: Clemson University
Department of Industrial Technology. Clemson, SC
(1978–1979)

B. Administrative Positions

1. Program Director: BGSU Firelands, Department of Applied
Sciences, Electrical/Electronic Engineering Technology
(2002–present)

III. Non-academic Positions

1. Field Technician: Centerpoint Technologies, Inc.; New Lenox, IL
(2000–2002)
2. Senior Training Director: Centerpoint Technologies, Inc.
(1995–1999)

IV. Teaching Experience

A. Undergraduate Courses

2002–present
 College Algebra I
 Energy, Power, Instrumentation & Control
 Electric Circuits
 Electronic Circuits
 Electrical Measurements & Instrumentation
 Industrial Equipment & Controls

Digital Electronic Components & Systems
 Field Programmable Gate Arrays (FPGAs)
 Operational Amplifiers
 Real-time Microcomputer Systems/Ind. Controls
 Programmable Logic Controllers
 Digital Computer Analysis
 Instrumentation
 Design & Engineering Graphics
 Maintenance and Troubleshooting
 Applications in Programmable Logic Controllers
 Applications in Electronics & Industrial Controls
 Applications & Analysis of Networking Theorems

1978–2001

Electricity/Electronic Fundamentals
 Digital Fundamentals
 Digital Systems
 Microprocessor Electronics
 Electronic Circuit Simulation Techniques
 Electronic Devices (Semiconductors & Linear Devices)
 Advanced Linear Circuits (Operational Amplifiers)
 Programmable Logic Devices (FPGA's)
 Residential Electrical Wiring
 Design and Engineering Graphics
 Electronics for Teachers
 Architectural Drawing
 Power Technology

B. Graduate Courses

1993

Elected to the graduate faculty at Northern Michigan University
 Teach a graduate course in electronics for area technology educators

1991

Nominated for Graduate Faculty at Appalachian State University

1990

Teach the graduate research seminar at Appalachian State University

1985–1987

Teach the Electronics for Teachers course at Clemson University

V. Workshops

1. Organizer/conductor: *Go Beyond Ladder Logic Programming and Prepare your Graduates for Industrial HMI Monitoring and Control Solutions with FactoryTalk View*. Workshop presented at the Association of Technology, Management, and Applied Engineering (ATMAE) conference. New Orleans, LA (November 21, 2013)
2. Co-conductor: *Introduction to the Newly Designed PIC Microcontroller Training System with Curriculum to be used in On-Campus and Distance Learning Classes*. Workshop presented at the National Association of Industrial Technology (NAIT) annual conference. Nashville, TN (November 21, 2008)
3. Organizer/conductor: *Animating Your PLC Hardware Using RSView32 Object-oriented Programming Software*. Workshop presented at the National Association of Industrial Technology (NAIT) annual conference. Cleveland, OH (November 18, 2006)
4. Organizer/co-conductor: *Effective Teaching Strategies Using Electronics Workbench Multisim 8 for Traditional or Distributive Learning Environments*. Workshop presented at the National Association of Industrial Technology annual conference. St. Louis, MO (November, 2005)
5. Organizer/conductor: *Educational Applications of Electronic Circuit Simulation Programs for Electronics*. Workshop presented at the Seaborg Center/MACUL Upper Peninsula Fall Conference. Marquette, MI (October, 1993)

VI. Professional Development

1. Attended the *Association of Technology, Management, and Applied Engineering (ATMAE) Conference* in Charlotte, NC. (November 6-8, 2019)
2. Attended the *Association of Technology, Management, and Applied Engineering (ATMAE) Conference* in Pittsburgh, PA. (November 11-14, 2015)

3. Attended the *Association of Technology, Management, and Applied Engineering* (ATMAE) Conference in New Orleans, LA.
(November 20-23, 2013)
4. Attended the *HI-TEC* (High Impact Technology Exchange) Conference in Austin, TX, as an invited CIBP (Critical Issues and Best Practices) Fellow. All conference and hotels expenses covered by the fellowship through MATEC and NSF.
(July 21-24, 2013)
5. Attended the MNT (Micro/Nano Technology) Conference in Minneapolis, MN.
(May 21-23, 2013)
6. Completed a 2-day (16-hour) workshop—*NSF-ATE VHDL and FPGA Design Workshop*—at Michigan Technological University.
Houghton, MI
(May 10-11, 2013)
7. Attended the *HI-TEC* (High Impact Technology Exchange) Conference in Denver, CO, as an invited CIBP (Critical Issues and Best Practices) Fellow. All conference and hotels expenses covered by the fellowship through MATEC and NSF.
(July 23-26, 2012)
8. Attended the *Association of Technology, Management, and Applied Engineering* (ATMAE) conference, Cleveland, OH
(November 9–12, 2011)
9. Completed a 4-hour workshop—“Introduction to Teaching Basic Digital Logic with Field Programmable Gate Arrays (FPGA)”—at the *HI-TEC* (High Impact Technology Exchange) Conference. San Francisco, CA
(July 25, 2011)
10. Attended the *HI-TEC* (High Impact Technology Exchange) Conference in San Francisco, CA
(July 25-28, 2011)
11. Completed a 3-hour workshop on “Build an Affordable Renewable Energy Training Unit” at the *Association of Technology, Management, and Applied Engineering* (ATMAE) conference in Panama City Beach, FL
(October 29, 2010)

12. Completed a 3-hour workshop on “PID Tuning Made easy” at the *Association of Technology, Management, and Applied Engineering* (ATMAE) conference in Louisville, KY (November 13, 2009)
13. Attended the *Association of Technology, Management, and Applied Engineering* (ATMAE, formerly NAIT) conference, Louisville, KY (November 10–14, 2009)
14. Completed a 45-hour “(Clean-room) Pressure Sensor Workshop” at the Southwest Center for Microsystems Education at the University of New Mexico, NM (October 13-17, 2009)
15. Completed a 3-hour “Grant Development” workshop at the HI-TEC (High Impact Technology Exchange) Conference—Scottsdale, AZ (July 20, 2009)
16. Completed a 4-hour “eSyst: Electronics Systems Technology for the next Generation” workshop at the HI-TEC (High Impact Technology Exchange) Conference—Scottsdale, AZ (July 20, 2009)
17. Attended the *HI-TEC* (High Impact Technology Exchange) Conference in Scottsdale, AZ (July 19-22, 2009)
18. Attended the *National Association of Industrial Technology* (NAIT) conference in Nashville, TN (November 18–22, 2008)
19. Attended the *International Journal of Modern Engineering* (IJME) conference in Nashville, TN (November 17–18, 2008)
20. Attended the *Rockwell Automation Fair* in Nashville, TN (November 19–20, 2008)
21. Attended the *Semiconductors, Automated Manufacturing, Electronics – Training & Education Conference* (SAME-TEC) in Austin, TX (July 28-31, 2008)
22. Completed an 8-hour education course on “Digital Logic” [Sponsored by the FPGA Mission Assurance Center (FMAC)] at the SAME-TEC conference in Austin, TX (July 28, 2008)

23. Completed an 8-hour education course on “ESyst: Electronics Systems Technology Project” [an NSF funded ATE project] at the SAME-TEC conference in Austin, TX (July 29, 2008)
24. Attended the *National Association of Industrial Technology* (NAIT) conference at Panama City Beach, FL (October 23–27, 2007)
25. Completed a 4-hour workshop on “ISA Certified Automation Professional (CAP) Training” at the NAIT conference (October 24, 2007)
26. Attended the *Semiconductors, Automated Manufacturing, Electronics – Training and Education Conference* (SAME-TEC) in Irving, TX (July 23-26, 2007)
27. Completed an 8-hour education course on “21st Century Curriculum for Electronics Technology”: SAME-TEC conference in Irving, TX (July 23, 2007)
28. Completed a 4-hour workshop on “Virtual Labs Part II: Experiential Learning with Virtual Instrumentation-based distance Labs” at the SAME-TEC conference in Irving, TX (July 24, 2007)
29. Completed a 1-hour mini workshop on “Networks Fully Charged” at the SAME-TEC conference in Irving, TX (July 24, 2007)
30. Attended the *Ohio Association for Two-Year Colleges* (OATYC) conference in Akron, OH (October 19, 2007)
31. Attended the *Ohio School Improvement Institute* (OSII) conference in Columbus, OH (November 15–16, 2007)
32. Completed two semester programs on “Initiatives for the Future (IF) Learning Community” at BGSU Firelands in Huron, OH (Spring, 2007) (Fall, 2007)
33. Attended the *National Association of Industrial Technology* (NAIT) conference in Cleveland, OH (November 15–18, 2006)

34. Completed an 8-hour education course on “Work–Ready Electronics” at the MATEC *Semiconductors, Automated Manufacturing, Electronics–Training and Education Conference* (SAME-TEC) in Albuquerque, NM (July 24, 2006)
35. Attended the Rockwell Automation *Complete Automation on the Move* conference, Aurora, OH (June 6–7, 2006)
36. Completed an education course on “Ohio Fuel Cell Coalition 2006” at the Ohio Fuel Cell Conference. (May 23, 2006)
37. Attended the *International Technology Education Association* (ITEA) conference in Baltimore, MD (March 23–25, 2006)
38. Attended the *National Association of Industrial Technology* (NAIT) conference in St. Louis, MO (November 16–19, 2005)
39. Attended the *AURCO* conference. Zanesville, OH (April 8–9, 2005)
40. Attended the *National Association of Industrial Technology* (NAIT) conference in Louisville, KY (October 20–23, 2004)
41. Completed a professional training course on “SLC 500 Advanced Programming” at Rockwell Automation University in Euclid, OH (August 10–13, 2004)
42. Attended the *National Association of Industrial Technology* (NAIT) conference in Nashville, TN (November 19–22, 2003)
43. Completed a professional training course on “Developing an RSView32 Project” at Rockwell Automation University, Euclid, OH (October, 2003)
44. Completed a professional training course on “RSTrainer 2000 for RSLogix 500 and SLC 500”. From Rockwell Automation. (January, 2003)

45. Completed a workshop on “Automation on the Move”; sponsored by Rockwell Automation and Brohl & Appell, Inc., Sandusky, OH (February 19, 2003)
46. Completed a workshop on “Drives Headquarters”, sponsored by Brohl & Appell, Inc., providing hands-on learning of AC Drives (September 9, 2003)
47. Completed a professional training course on “Fundamentals of Programmable Controllers Using RSLogix Software” at Rockwell Automation University, Euclid, OH (October 28–29, 2002)

VII. Research Interests

1. Advance Pierre Foods (Amherst, OH). A research project to analyze/evaluate energy use/waste at one plant at the Amherst, OH, facility. As with the “House on Third Street” project, we will be installing electrical transducers and state-of-the-art control and monitoring equipment (donated by Rockwell Automation and Ohio Semitronics, Inc.) to evaluate real-time data on power consumption. The ultimate goal of the project is to 1) educate students in the EEET program at BGSU Firelands—and possibly beyond, if data are later available live on the Internet—about how to install and use the hardware and software, and 2) help Advance Pierre Foods understand their energy usage in order to reduce waste and save money.
2. The House on Third Street. A research project to educate the public about the impact our lifestyles have on global warming. Carbon foot-printing will be analyzed at Mark & Sue Norman’s extremely energy efficient home on Third St. in Sandusky, Ohio, by installing electrical transducers and state-of-the-art control and monitoring equipment (donated by Rockwell Automation and Ohio Semitronics, Inc.) to evaluate real-time data on power consumption.
3. The state of engineering technology in Ohio. A research project co-directed with David Brown (Rhodes State College) and sponsored by the Ohio Engineering Technology Educators Council (OETEC).
4. Curriculum mapping. Methods for determining sound course content and articulation of courses across curricula.
5. Computer anxiety and computers in the classroom. The effects of library related instruction on students’ proficiency in technical paper writing.

VIII. Research Projects & Grants [\$261,259 since 2003]

1. Donation from CIFT (the Center for Innovative Food Technology, www.ciftinnovation.org) for additional equipment to be used in the Advance Pierre Foods research project sponsored by Rockwell Automation.
September, 2013 **\$5,000**
2. Donation from Rockwell Automation of twenty (20) 1763-L16AWA MicroLogix 1100 PLC controllers to be used in the workshop I presented at the 2013 ATMAE conference.
August 22, 2013 **\$12,340** (20 @ \$617)
3. Fellowship grant from the Maricopa Advanced Technology Education Center (MATEC) and the National Science Foundation (NSF) to attend the Critical Issues and Best Practices (CIBP) Forum at the annual HI-TEC Conference—Austin, TX.
July 21-24, 2013 **~\$1,300**
4. Speed grant to attend the Critical Issues and Best Practices (CIBP) workshop at the *High Impact Technology Exchange Conference* (HI-TEC) conference—Austin, TX.
July 21-24, 2013 **\$200**
5. This is a second grant from Altera Corporation for new, state-of-the-art hardware for teaching field programmable gate arrays (FPGAs) to be used in BGSU Firelands' EEET program for courses related to Programmable Logic Devices.
November 23, 2012 **\$3,117**
6. Donation from Rockwell Automation of four (4) new 1747-L552 SLC 5/05 programmable logic controllers for my program. This will allow me to expand my enrollment from 10 to 14 students, as I will have 14 PLC trainers.
October 14, 2012 **\$23,480** (4 @ \$5,870)
7. Fellowship grant from the Maricopa Advanced Technology Education Center (MATEC) and the National Science Foundation (NSF) to attend the Critical Issues and Best Practices (CIBP) Forum at the annual HI-TEC Conference—Denver, CO.
July 23-26, 2012 **~\$1,250**
8. Speed grant to attend the *High Impact Technology Exchange Conference* (HI-TEC) in Denver, CO.
July 23-26, 2012 **\$400**

9. Grant from Rockwell Automation to help the EHOVE/BGSU Firelands *FIRST* robotics team.
October, 2011 **\$3,000**
10. Full Fellowship grant from the Maricopa Advanced Technology Education Center (MATEC) and the National Science Foundation (NSF) for attendance at the HI-TEC Conference—San Francisco, CA—as well as all workshop fees and hotel accommodations.
July 23-26, 2011 **~\$1,300**
11. Speed grant to attend the *High Impact Technology Exchange Conference* (HI-TEC) in San Francisco, CA.
July 23-26, 2011 **\$400**
12. Speed grant to attend the “PID Tuning Made easy” at the *Association of Technology, Management, and Applied Engineering* (ATMAE) conference in Louisville, KY
September 23, 2009 **\$400**
13. Full Fellowship grant from Southwest Center for Microsystems Education for a 45-hour “clean-room” Pressure Sensor Workshop at the University of New Mexico, NM
October 10-17, 2009 **\$1,411**
14. Equipment grant from the Hoffman Company for the “House on Third Street” Project.
July 30, 2009 **\$660**
15. Full Fellowship grant from the Maricopa Advanced Technology Education Center (MATEC) and the National Science Foundation (NSF) for attendance at the HI-TEC (High Impact Technology Exchange) Conference—Scottsdale, AZ—as well as all workshop fees and hotel accommodations.
July 19-23, 2009 **\$1,352**
16. Equipment grant from Matrix Automation (Huron, OH) for the “House on Third Street” Project.
June 1, 2009 **\$350**
17. Research grant from Rockwell Automation for the “House on Third Street” Project.
December, 2008 **\$64,633**
18. Equipment grant from Ohio Semitronics, Inc. for the House on Third Street Project.
September 26, 2008 **\$2,810**

19. Grant from Rockwell Automation and Brohl & Appell to help the EHOVE/BGSU Firelands *FIRST* robotics team.
December, 2008 **\$5,000**
20. Research grant from Bowling Green State University Firelands (Dean Smith) for the research project "*The House on Third Street*".
November, 2008 **\$500**
21. Full Fellowship grant from the Maricopa Advanced Technology Education Center (MATEC) and the National Science Foundation (NSF) for attendance at the SAME-TEC (Semiconductors, Automated Manufacturing, Electronics – Training and Education) Conference—Austin, TX—as well as all workshop fees and hotel accommodations.
July 28-31, 2008 **\$1,381**
22. Speed grant to help fund my attendance/participation in the CAP workshop at the NAIT conference at Panama City Beach, FL.
September 25, 2007 **\$375**
23. Full Fellowship grant from the Maricopa Advanced Technology Education Center (MATEC) and the National Science Foundation (NSF) for attendance at the SAME-TEC (Semiconductors, Automated Manufacturing, Electronics – Training and Education) Conference—Irving, TX—as well as all workshop fees and hotel accommodations.
July 23-26, 2007 **\$1,087**
24. Speed grant to pay for my participation in the workshop at the AURCO conference at BGSU Firelands.
April 2, 2007 **\$80**
25. The Workforce Development Council purchased new benches and storage cabinets for my ET lab.
August 1, 2006 **\$18,704**
26. Speed grant to help fund my participation in the MATEC SAME-TEC Conference and workshop in Albuquerque, NM.
July 13, 2006 **\$380**
27. Dorey Diab (via, I believe, a NSF grant) invited me to participate in this Fuel Cell Symposium and educational program.
April 12, 2006 **\$315**

28. Applied for and received continuing funding—as additional software licenses—from Altera Corporation for the MAX+PLUS II/Quartus II software used in my ECT 250 course to teach programmable logic (PLD's).
February 11, 2006 **\$13,200**
29. Grant from The Workforce Development Council for 25 licenses of Electronic Workbench v.9, maintenance agreements for v.10 and instructor copies of LabView for use in BGSU Firelands EEET program and the College of Technology.
December, 2005 **\$2,487**
30. Research grant from Bowling Green State University (Faculty Research Committee) for the research project “*Follow-Up Study of Computer Anxiety in College Students*”.
December 21, 2005 **\$500**
31. Research grant from Bowling Green State University Firelands (Dean Smith) for the research project “*Follow-Up Study of Computer Anxiety in College Students*”.
December, 2005 **\$500**
32. Grant from Electronic Workbench for 16 copies of Student Suite v.8 for use in a professional workshop to instruct faculty on its use.
July 13, 2005 **\$1,280**
33. Donation from Berry College of programmable logic controller hardware. (Original grant to Berry College for the equipment was \$25,000 but the current value of the equipment is probably \$1,000)
August 6, 2004 **\$1,000**
34. Donation from Brohl & Appell, Inc. of an Allen-Bradley DC Contactor.
May 17, 2004 **\$448**
35. Grant from the Ohio Board of Regents for equipment related to programmable logic controllers.
May 7, 2004 **\$34,079**
36. Grant from the Ohio Workforce Development Council for professional development activities and programmable logic controller hardware.
April 12, 2004 **\$4,600**

37. Grant from Altera Corporation for software/hardware to be used in BGSU Firelands' ECT courses related to Programmable Logic Devices.
December 15, 2003 **\$50,800**
38. Speed Grant from BGSU as partial payment for the training program (CD) purchased for professional development of PLC-related skills.
October 24, 2003 **\$350**
39. Donation from Brohl & Appell, Inc. of an Allen-Bradley PowerFlex Variable Speed Drive.
September 8, 2003 **\$440**
40. Speed Grant from BGSU as partial payment for PLC training at Rockwell Automation University.
January 6, 2003 **\$350**
41. Invited a graduate student from Germany to visit NMU and collect data for further research on the topic of an *overt study of attitudes towards computers and information technology*. Northern Michigan University.
(Fall, 1994)
42. Traveled to Poland and Germany to begin research with colleagues at the Jagiellonian University and University of Erfurt, respectively. Based on prior research, the educational test instrument CITAI (see Weinsier & Leutner, 1988) was expected to be translated and new data collected. Europe: Poland & Germany.
(Summer, 1994)
43. Grant from Northern Michigan University to review programs in Technology in Central Eastern Europe.
(Summer, 1992)
44. Development and implementation of an educational test instrument entitled The Computer and Information Technology Attitude Inventory (CITAI). The instrument has been copyrighted and is available through the Educational Testing Service (ETS).
(Related research: 1986–1992)
45. Co-grantee of a research grant (first author, Detlev Leutner, Technical University of Aachen, Germany) from the German Science Foundation (DFG). Topic: Inter-cultural validation of a questionnaire for measuring attitudes towards computers and information technology in student populations.
(Spring, 1989)

46. **Fulbright Scholar:** One year of research at the Technical University of Aachen, (West) Germany (1987–1988). The testing phase of the CITAI project was funded with this research grant from the International Fulbright Organization.
(1987-1988: \$7,000)
47. Seven local/university grants received for equipment, software and international travel related to studies of European educational institutions.
(1987-1995: ≈\$25,000 excluding Fulbright grant)

IX. Publications or Equivalencies

A. Refereed Articles

1. Artis, R., Shivaie, M., & Weinsier, P. D. (2023). A flexibility-based multi-objective model for contingency-constrained transmission expansion planning incorporating large-scale hydrogen/compressed-air energy storage systems and wind/solar farms. *Journal of Energy Storage*, 70, 108086.
<https://doi.org/10.1016/j.est.2023.108086>
2. Shivaie, M., Dienel, H.L., & Weinsier, P. D. (2023). DG-integrated stochastic multiyear distribution expansion planning considering fault current-limiting high-temperature superconducting cables. *Applied Energy*, 336, 120638.
<https://doi.org/10.1016/j.apenergy.2023.120638>
3. Shivaie, M., Kiani-Moghaddam, M., Weinsier, P. D. (2021). Bilateral Bidding Strategy in Joint Day-Ahead Energy and Reserve Electricity Markets Considering Techno-Economic-Environmental Measures. *Energy & Environment*, 0(0), 1-31.
<https://doi.org/10.1177/0958305X211014875>
4. Shivaie, M., Kiani-Moghaddam, M., Weinsier, P. D. (2020). A Resilience-Based Tri-Level Framework for Simultaneous Transmission and Substation Expansion Planning Considering Extreme Weather-Related Events. *IET Generation, Transmission & Distribution*, 14(16), 3310-3321.
<https://doi.org/10.1049/iet-gtd.2019.1512>

5. Shivaie, M., Kiani-Moghaddam, M., Weinsier, P. D. (2020). A vulnerability-constrained quad-level model for coordination of generation and transmission expansion planning under seismic- and terrorist-induced events. *International Journal of Electrical Power & Energy Systems*, 120, (105958).
<https://doi.org/10.1016/j.ijepes.2020.105958>
6. Shivaie, M., Kiani-Moghaddam, M., Weinsier, P. D., & Spezia, C. J. (2019). Incorporating unified interphase power controllers into robust multi-period transmission expansion planning to mitigate short-circuit level. *International Journal of Electrical Power & Energy Systems*, 117, (105672).
<https://doi.org/10.1016/j.ijepes.2019.105672>
7. Kiani-Moghaddam, M., Shivaie, M., & Weinsier, P. D. (2019). A Techno-Economic Multi-Objective Model for Hybrid Harmonic Filter Planning Considering Uncertainty in Non-linear Loads. *International Journal of Electrical Power & Energy Systems*, 112, 339-352. <https://doi.org/10.1016/j.ijepes.2019.05.013>
8. Samarrokhi, A., Jenab, K., & Weinsier, P. D. (2015). The Effects of Lean Production and Six Sigma on Sustainable Competitive Advantage with Moderation of Suitable Resources. *International Journal of Services and Operations Management*, 21(1), 112-125.
9. Samarrokhi, A., Jenab, K., Arumugam, V. C., & Weinsier, P. D. (2015). Analysis of the Effects of Operations Strategies on Sustainable Competitive Advantage in Manufacturing Systems. *International Journal of Industrial and Systems Engineering*, 19(1), 34-49.
10. Jenab, K., Sarfaraz, A., Weinsier, P. D., Moeini, A., & Al-Ahmari, A. M. A. (2014). i-DEMATEL Method for Integrated Manufacturing Technology Selection. *Journal of Manufacturing Technology Management*, 26(3), 349-363. DOI: 10.1108/JMTM-08-2012-0079
11. Jenab, K., Noori, K., Weinsier, P. D., & Khoury, S. (2014). A Dynamic Model for Hardware/Software Obsolescence. *International Journal of Quality & Reliability Management*, 31(5), 588-600. DOI: 10.1108/IJQRM-03-2013-0054
12. Jenab, K., Noori, K. R., & Weinsier, P. D. (2014). Obsolescence Management in Rail Signaling Systems: Concept and Markovian Modeling. *International Journal of Productivity and Quality Management*, 14(1), 21-35. DOI: 10.1504/IJPQM.2014.063162

13. Samarrokhi, A., Jenab, K., Arumugam, V. C., & Weinsier, P. D. (2014). A New Model for Achieving Sustainable Competitive Advantage through Operations Strategies in Manufacturing Companies. *International Journal of Logistics Systems and Management*, 19(1), 115-130.
14. Moslehpour, S., Jenab, K., Weinsier, P. D., & Matcha, B. K. (2013). Design of the Nios II System for the Playing of Wave Files on an Altera DE2 Board. *International Journal of Engineering Technology*, 5(3), 361-369. DOI: 10.7763/IJER.2013.V5.5776
15. Sarfaraz, A., Jenab, K., & Weinsier, P. (2012). A Novel Approach for Supplier Selection under Uncertain Situations. *International Journal of Agile Manufacturing*, 12(1), 63-80.
16. Jenab, K., Foumani, M., Sarfaraz, A., Rajai, M., & Weinsier, P. (2012). Operation and Configuration-Based Analysis of Dual-Gripper Robotic Cells. *International Journal of Agile Manufacturing*, 12(1), 1-12.
17. Chin, R., Netty, R., Tetteh, E., Travers, K., & Weinsier, P. (2011). Negotiating the Tenure and Promotion Process. *Paper accepted for publication in the proceedings of the 119th ASEE Annual Conference*, San Antonio, TX, June 10-13, 2012.
18. Weinsier, P.D. & Brown, D.J. (2009). Engineering Technology Education: A National Picture. *Technology Interface Journal*, 9(2), Spring. ISSN# 1523-9926.
19. Weinsier, P.D. & Brown, D.J. (2008). Engineering Technology Education: A National Picture. *Papers and Proceedings for the 2008 International Journal of Modern Engineering (IJME) Conference*. IJME CD-ROM. ISBN # 978-1-60643-379-9
20. Weinsier, P.D. (2005). Animating your PLC Hardware: Using RSView32 Software for Graphic Animation of Real-Time Events, Data Logging and Alarms. *Papers and Proceedings for the 2005 National Association of Industrial Technology (NAIT) Convention*. NAIT CD-ROM, pages 45–49.
21. Weinsier, P.D. and McIntyre, J. (2004). Tech Prep: A program for creating a seamless transition from secondary to post-secondary to business, while increasing student interest in and retention at college. *Papers and Proceedings for the 2004 National Association of Industrial Technology (NAIT) Convention*. NAIT CD-ROM, pages 34–41.

22. Leutner, D. & Weinsier, P.D. (1994). Attitudes towards computers and information technology at three universities in Germany, Belgium, and the U.S. *Computers in Human Behavior*, 10(4), 569–591.
23. Leutner, D. & Weinsier, P.D. (1990). The structure of student interest in computers and information technology: An application of facet theory and multidimensional scaling. *Multivariate Behavioral Research*, 26(4), 709–736.
24. Leutner, D. & Weinsier, P.D. (1989). On the multidimensional structure of student interest in computers and information technology. *Papers and Proceedings of the Third European Conference for Research on Learning and Instruction* (p.72). Madrid, Spain

B. Refereed Books

1. Kiani-Moghaddam, M., Shivaie, M., & Weinsier, P. D. (2019). *Modern Music-Inspired Optimization Algorithms for Electric Power Systems: Models, Methods, and Applications*. Springer. ISBN 978-3-030-12044-3.

C. Book Chapters

1. Kiani-Moghaddam, M., Shivaie, M., & Weinsier, P. D. (2018). *Two-Level Multidimensional Enhanced Melody Search Algorithm for Dynamic Planning of MV Open-Loop Distribution Networks*. In Elsevier, Inc. (Ed.), *Classical and Recent Aspects of Power System Optimization* (pp.285-330). ISBN13: 978-0-12-812441-3. DOI: 10.1016/C2016-0-03379-X.
2. Jenab, K., & Weinsier, P. D. (2014). *Complexity Analysis in Additive Manufacturing for the Production of Tissue Engineering Constructs*. In IGI Global (Ed.), *Analytical Approaches to Strategic Decision Making: Interdisciplinary Considerations* (pp.240-257). ISBN13: 9781466659582. DOI: 10.4018/978-1-4666-5958-2

D. Non-refereed Journal/Newsletter/Other

1. Shivaie, M., Salemnia, A., & Ameli, M. T. (2014). A Multi-Objective Approach to Optimal Placement and Sizing of Multiple Active Power Filters using a Music-Inspired Algorithm. *Applied Soft Computing*, 22, 189-204. [Edited by Weinsier, P. D.]

2. Weinsier, P.D. (2007). Electrical/Electronic Engineering Technology at BGSU Firelands. *North Coast Business Journal*, 13(1), pp.1, 3, 5.
3. Weinsier, P.D. (2009). Now the Fun Begins. *IT Insider* (a publication of the Association of Technology, Management, and Applied Engineering—formerly NAIT), Spring, 11(1), 4.
4. Weinsier, P.D. (2008). EECT Judges Wowed by Student Robots. *IT Insider* (a publication of the National Association of Industrial Technology), Winter, 9(3), 9.
5. Weinsier, P.D. (2007). Where Do They Go From Here. *IT Insider* (a publication of the National Association of Industrial Technology), Spring, 9(1), 8.
6. Weinsier, P.D. (2007). EECT Division: What's Hot This Year in Panama City. *IT Insider* (a publication of the National Association of Industrial Technology), Summer, 9(2), 4.
7. Lesiecki, M., Weinsier, P.D. & Fyfield, M. (2008). Sustaining Technical Programs: Challenges and Solutions. (A webinar) MATEC Online, September 2008, v12, issue 1.
8. Weinsier, P.D. & Leutner, D. (1988). The Computer and Information Technology Attitude Inventory (CITAI). Clemson, SC: Department of Industrial Education, Clemson University.
9. Weinsier, P.D. (1986). Development of a psychometric device for the measurement of computer anxiety in college students (Unpublished research report), Clemson, SC: Department of Industrial Education, Clemson University.
10. McGraw Hill Higher Education Publishers. Petruzella, Frank D. (2010). Electric Motors and Control Systems, 1st Edition. Edited entire text for content and language (March, 2008)
11. Cambridge Scholars Press Publishers. Daniel Stavarek & Stanislav Poloucek (2006). The Financial Sector in the Enlarging European Union, 1st edition. Language edited one chapter of the book (April, 2006)

X. Editorship of Journals

1. Manuscript and Production Editor
International Journal of Modern Engineering (IJME)
(2008–present)
2. Manuscript and Production Editor
International Journal of Engineering Research & Innovation (IJERI)
(2008–present)
3. Editor-in-Chief
Technology Interface International Journal (TIIJ)
(2010–present)

XI. Papers Read to Professional Societies**A. Refereed Papers**

1. *Negotiating the Tenure and Promotion Process*. Presented at the ATMAE (Association for Technology, Management and Applied Engineering) annual conference. Cleveland, OH. (November 9–12, 2011).
2. *Engineering Technology Education: A National Picture*. Presented at the International Journal of Modern Engineering (IJME) annual conference in Nashville, TN (November 17–18, 2008)
3. *The State of Engineering Technology in Ohio: A Position Paper of the Ohio Engineering Technology Educators Council*. Presented at the Ohio School Improvement Institute (OSII) conference. Columbus, OH (November 15, 2007)
4. *The State of Engineering Technology in Ohio: A Position Paper of the Ohio Engineering Technology Educators Council*. Presented at the Ohio Association of Two Year Colleges (OATYC) conference. Akron, OH (October 19, 2007)
5. *Curriculum-Mapping Your Way to Information Literacy*. Presented at the AURCO annual conference. Huron, OH (April 12-13, 2007)

6. *Curriculum-Mapping Your Way to Information Literacy*. Presented at the NAIT (National Association of Industrial Technology) annual conference. Cleveland, OH (November 15–18, 2006)
7. *Are We There Yet? Assessing the post-secondary transition rate of students involved in one of Ohio's most popular college access programs*. Presented at the ITEA (International Technology Education Association) annual conference. Baltimore, Maryland (March 23–25, 2006)
8. *Animating your PLC Hardware: Using RSView32 Software for Graphic Animation of Real-Time Events, Data Logging and Alarms*. Presented at the NAIT annual conference. St. Louis, MO. Awarded **BEST SELECTED PAPER** by the NAIT-EECT division. (November 16–19, 2005)
9. *Tech Prep: A program for creating a seamless transition from secondary to post-secondary to business, while increasing student interest in and retention at college*. Presented at the AURCO conference. Zanesville, OH (April 8–9, 2005)
10. *Tech Prep: A program for creating a seamless transition from secondary to post-secondary to business, while increasing student interest in and retention at college*. Presented at the National Association of Industrial Technology (NAIT) convention. Louisville, KY (October 20–23, 2004)
11. *International programs in Technology Education: International exchange opportunities in Sweden, Japan, Taiwan (R.O.C.), United Kingdom and Africa*. Presented at the International Technology Education Association (ITEA) annual conference. Nashville, TN (March, 1995)
12. *Technology Education Programs Around the World: Opportunities and Information*. Presented at the International Technology Education Association (ITEA) annual conference. Kansas City, MS (March, 1994)
13. *Technology Programs in Central Eastern Europe*. Presented at the International Technology Education Association (ITEA) annual conference. Charlotte, NC (April, 1993)

14. *Status of Technology Programs at Educational Institutions in Central Eastern Europe*. Presented to the College of Technology and Applied Sciences. Northern Michigan University, Marquette, MI (November, 1993)
15. *The Multidimensional Structure of Student Interest in Computers and Information Technology*. Presented at the European Conference for Research on Learning and Instruction. Madrid, SPAIN (August, 1989)

B. Non-refereed Papers

1. Using the AT&T Frame Creation System Computer. Presented at the University Students in Industrial Technology Regional Conference. Virginia Beach, VA (January, 1986)
2. Graphics and Animation on the AT&T FCS Computer. Presented at the Conference on Communication and High Technology, University of North Carolina. Chapel Hill, NC (February, 1986)

XII. Service

A. Department

- Chair: Retention, Promotion, and Tenure Committee (2013–2015)
- Chair: Industrial Advisory Board for EEET & MFG (2002–2008)
- Chair: Merit/Chair Evaluation Committee (2005–2006, member since 2003)
- Member: Department of Applied Sciences Technology Group (2002–present)
- Organizer: EEET program review. Invited Dr. Nasser Alaraje to BGSU Firelands to review/evaluate my program. (2015)

B. College

- Chair College-Level Review Committee (CLRC) [formerly the Retention, Promotion, and Tenure Committee] (2014-present, member since 2012)

Chair: Budget Committee
(2008-present, member since 2006)

Member: Search Committee for Physics Professor
(Jonathan Williams)
(2010-2011)

Member: Search Committee for Library Director
(Sharon Britton)
(2008)

Member: Strategic Planning Committee
(2005-2006)

Member: Info Tech Committee
(2002-2003)

Member: AURCO Planning Committee
(2007)

C. University

Senator: Faculty Senate
(2006-2016)

Chair: Faculty Senate Faculty Welfare Committee
(2005-2008, member since 2003)

Chair: Faculty Research Committee
(2004-2005, member since 2003)

Co-Chair: Flexible Tenure & Leave Committee
(BGSU ad hoc committee appointed by Provost)
(2007-2008)

Member: BGSU College of Technology Program Advisory
Committee
(2003-present)

Member: Faculty Senate Standing Committee:
Faculty Personnel and Conciliation
(2013-2014)

D. Professional

Conference Chair: International Association of Journals & Conferences
2022 IAJC International Conference
(www.2022.iajc.org)

Conference Chair: International Association of Journals & Conferences
2018 IAJC International Conference
(www.2018.iajc.org)

Conference Chair: International Association of Journals & Conferences
2016 IAJC/ISAM Joint International Conference
(www.2016.iajc.org)

- Conference Chair: International Association of Journals & Conferences
2014 IAJC/ISAM Joint International Conference
(www.2014.iajc.org)
- Conference Chair: International Association of Journals & Conferences
2011 IAJC-ASEE International Conference
- Board of Directors: International Fulbright Organization
Mid-Florida Chapter
(2002)
- Board of Directors: Orange County (Florida) Vocational Adult
Community Education Association
(1983–1984)
- Executive Board: International Association of Journals & Conferences
(2009-present)
- Executive Board: Association of Technology, Management, and
Applied Engineering
(2008-2010)
- President: Electronics, Electricity, and Computer Technology
Division (EECT) of the Association of Technology,
Management, and Applied Engineering (ATMAE)
[formerly NAIT]
(2008-2010)
- President: Orange County (Florida) Industrial Arts Association
(1983–1984)
- Vice President: VP for Journal & Conference Affairs
International Association of Journals & Conferences
(2008-present)
- Vice President: Orange County (Florida) Industrial Arts Association
(1982–1983)
- President-elect: EECT division of NAIT
(2006-2008)
- Academic Senator: Northern Michigan University
(1992–1994)
- Program Director: Foreign Exchange Program at West Orange High
(1982–1984)
- Asst. Coordinator: Orange County (FL) Foreign Exchange Program
(1982–1984)
- Academic Advisor: American Society of Engineering Technology,
University of Central Florida Chapter
(1998–2001)
- Chair: International Review Board for the International
Association of Journals & Conferences
(2010-present)
- Chair: Industrial Technology Division, International
Journal of Modern Engineering conference
(2008)

Chair:	Ohio Engineering Technology Educators Council (2007-2008)
Chair:	International Relations Committee, NAIT (1993–1997)
Member:	Association of Technology, Management, and Applied Engineering (ATMAE): Development team for an EECT certification exam. (2014-present)
Member:	National Science Foundation (NSF) Faculty Advisory Board for the MATEC NetWorks National Resource Center [DUE #0501626] (2008-present) see web site: http://www.matecnetworks.org/community/pdf/advisory_board.pdf
Member:	Council on Technology Teacher Education, a division of the International Technology Education Association, ITEA (1995–1996)
Member:	European Association for Research on Learning and Instruction (EARLI) (1989-present)
Head Judge:	EECT Best Electrical/Control Methodology Award, annual robotics competition at the NAIT conference (2007-2008)
Judge:	Robotics competition; NAIT national conference (2005-2007)
Reviewer:	European Association for Research on Learning and Instruction (EARLI) (2005-present)
Reviewer:	Association of University Regional Campuses in Ohio (AURCO) (2005-present)
Reviewer:	American Society for Engineering Education (2005)

E. Community

1. Advanced Pierre Foods (Amherst, OH). A research project to analyze/evaluate energy use/waste at one of their plants here in Ohio. We are now installing electrical transducers and state-of-the-art control and monitoring equipment (donated by Rockwell Automation and Ohio Semitronics, Inc.) to evaluate real-time data on power consumption. The ultimate goal of the project is to 1) educate students in the EEET program at BGSU Firelands—and possibly beyond, if data are later available live on the Internet—about how to install and use the hardware and software, and 2) help Advance

Pierre Foods understand their energy usage in order to reduce waste and save money.
(2013-present)

2. Assistance to the EHOVE Workforce Development Council and BGSU Firelands' Tech Prep Students.
(2003–present)
3. Mentor for the EHOVE/BGSU Firelands *FIRST* Robotics team.
(2006-present)
4. House on 3rd Street. Work with Mark and Sue Norman (Sandusky, Ohio) to monitor their extreme energy efficient home's carbon footprint.
(2007-2010)

XIII. Research or Professional Consultantships

1. Analyze computer systems and consolidate client computer files for *Ohab & Co., CPA*; Orlando, FL.
(1995)
2. Teach vocational classes in electronics and electrical wiring to U.S. Navy personnel, *United States Military, Naval Training Center*; Marquette, MI.
(1992–1994)
3. Teach vocational classes in electronics to iron mine employees from *Cleveland Clifts Iron*, Marquette, MI.
(1993)
4. Design an electronic device to monitor flow rates of water/glycol used for airplane wing deicing for *Superior-Newco*; Marquette, MI.
(1991)

XIV. Membership in Professional Organizations & Certifications

1. International Fulbright Organization (Lifetime member)
2. European Association for Research on Learning and Instruction
(1989–present)
3. International Association of Journals and Conferences
(2008-present)

4. Association for Technology, Management, and Applied Engineering (ATMAE). Formerly the National Association of Industrial Technology (NAIT)
(2002–present)
5. International Technology Education Association (ITEA)
(1990-1995, 2005–2007)
6. *Certified Senior Industrial Technologist* (CSIT) awarded by the Association for Technology, Management and Applied Engineering (ATMAE) [formerly NAIT]
(2005-present)
7. *Certified Industrial Technologist* (CIT) awarded by NAIT
(1992-2005)

XV. Honors & Awards

1. Fulbright Scholar: One year of research at the Technical University of Aachen, (West) Germany
(1987–1988).
2. Award of *Certificate of Appreciation* by the BGSU Firelands Elder College for a presentation of “FIRST Robotics—STEM Initiatives.”
(2014)
3. Award of *Certificate of Appreciation* by the FIRST (For Inspiration and Recognition of Science and Technology) organization for mentoring the EHOVE/Firelands College robotics team.
(2011)
4. Award of *Certificate of Appreciation* by the Single Parent/Displaced Homemaker Program for mentoring and support of the program.
Northern Michigan University
(1993)
5. Recipient of a Professional Merit Award from Northern Michigan University for outstanding work with European universities and research efforts at NMU (\$1,000).
(1992)
6. Award of *Certificate of Appreciation* by the Orange County Vocational Adult Community Education Association.
(1982–1983)

7. Award of *Certificate of Appreciation* by the Orange County School Board, Orange County Public Schools, Florida, for contributions to students.
(1982)