



David Hergert

Professor
Miami University
Department of Engineering Technology
207D Phelps Hall
Hamilton Campus
hergerd@muohio.edu
513/785-1812
513/785-1823 (fax)

Education:

Ph.D. - Pacific Western University - 1992 Industrial Engineering
M.B.A. - Xavier University - 1984 Management
B.S. - University of Cincinnati - 1982 Mechanical Engineering
B.S. - University of Cincinnati - 1979 Engineering Science (Systems Option)
A.S. - Ohio College of Applied Science - 1975 Electrical Engineering Technology

Academic Experience:

Professor, Miami University, 2004-Present
Associate Professor, Miami University, 1990-2004
Assistant Professor, Miami University, 1985-1990
Instructor, Southern Ohio College, 1984-1985
Teaching Assistant, College of Engineering, University of Cincinnati, 1978-79

Professional Experience:

Consultant, TRI Manufacturing, 1989-1995
Systems Engineer, General Motors, 1985
Software Engineering Consultant, 1983-1985
Project Engineer, Square D, 1979-1983
Test Technician, Cincinnati Gas & Electric, 1974-1979

Awards:

Greater Cincinnati Consortium of Colleges and Universities Teaching Excellence Award, 1999.
Miami University Middletown TechnoSpectacle Best Instructional Project, Automated Temperature Control, 1999
Competition for Excellence, League for Innovation in the Community College, 1989

Grants:

2001 Ohio Board of Regents Grant	\$92,000
2000 NSF Grant (Columbus State was the fiscal agent)	\$7,000
2000 Ohio Learning Network Grant (with Rod Nimtz and Rob Speckert)	\$100,000
1999 Miami Instructional Grant for Blackboard	\$500
1998 Motor Control Center Gift from Champion	\$10,000
1998 Wonderware and ATR Distributing	\$10,000
1998 NeuralWare	\$10,000
1995 Miami Summer Grant from the Committee on the Improvement of Instruction	\$1,300

Publications and Papers:**Books:**

"PC Architecture: From Assembly Language to C", Prentice Hall, 1997

"Engineering Math on the TI-92", Texas Instruments, 1997

Journals:

"Using Neural Networks To Improve Smoothness On A Paper Coating Process", Intelligent Engineering Journal, ASME Press, 1999

"A Closed Loop PID Control Program for Process Control", The International Journal of Applied Engineering Education, Volume 5, Number 1, May 1989

Conference Proceedings:

Bommaraju, S., Earley R., Hergert, D., "Incorporating Liberal Education Concepts into an Engineering Technology Senior Design Course at Miami University", ASEE Annual Conference Proceedings, Nashville, Tennessee, 2003, pp. 1161-1165.

Hergert, D., "Instrumentation I/O and Visual Basic", ASEE Annual Conference Proceedings, Albuquerque, New Mexico, 2001, pp. 1025-1031.

Clifton, K., Hergert D., "Environmental Sociology: Local Communities and Global Systems", North Central Sociological Conference Proceedings, April 1995.

My contribution to this paper was 40%.

Hergert, D., "Instrumental Laboratory Experiment Incorporates Spectral Analysis with Neural Networks", 1994 ASEE Annual Conference Proceedings.

Hergert, D., "Object-Oriented Flexible Manufacturing System", proceedings of ICOOMS, May 1992

Hergert, D., "Converting a Graphics Screen From a Scanner to a CNC File", proceedings of PROCIEM 1989

Recent Institutional Service:

Distance Education Coordinator for Engineering Technology B.S. Program, 1998-2005

Chair, Associate of Technical Study Committee, 1999-2005

Chair, Hamilton Campus Computer Committee, 2005

Acting Chair, Department of Engineering Technology, 2003

School of Engineering and Applied Science Diversity Committee, 1999-2003

Hamilton Campus Committee on Committees, 1999-2002

Recent Professional Activities:

Consultant, GPAX Ltd., Columbus Ohio, HLI/PLC Interfacing, 2005

Learned Visual Basic.NET for inclusion in ENT 311 Process Control Interface Design, 2005

Reviewed "Hitting the Ground Running with Visual C++.NET" by Amiram Neiman, Delmar Publishing

Learned Visual C++.NET for inclusion in ENT 311 Process Control Interface Design, 2004

Learned the PERL Computer Language to write the departmental web-based Pre/Post Test, 2004

Studied a course on HVAC Load Calculations for Champion Paper, 2003