Professor Emeritus of Computer Science & Engineering
Professor Emeritus of Electrical Engineering
University of Notre Dame, Notre Dame, Indiana

Personal Information:

Born: December 31, 1932, Wichita Falls, Texas
Citizenship: United States
Married Alice M. Wolowsky, April 10, 1955. 6 children, 13 grandchildren

Educational Background:

Air War College, Associates Program, Outstanding Graduate, 1984
Stanford University, Ph.D., Electrical Engineering, 1960
University of Notre Dame, M.S.E.E., 1955
University of Notre Dame, B.S.E.E., 1954, Magna Cum Laude

Professional Experience:

Professor Emeritus of CSE and of EE, October,2001-
Professor of Computer Science & Engineering, University of Notre Dame, 1990-2001
Professor of Electrical Engineering, University of Notre Dame, 1968-2001
Associate Professor of Electrical Engineering, University of Notre Dame, 1963-1968
Assistant Professor of Electrical Engineering, University of Notre Dame, 1960-1963
Staff Development Engineer, Computer Division, Air Force Weapons Laboratory, Kirtland AFB, NM, June 1982 to June 1983
Director, College of Engineering Computer Laboratory, Notre Dame, 1968-1981
Research Scientist, Notre Dame Radiation Laboratory, 1977-1986
Colonel, USAFR Senior Reservist in Air Force Flight Dynamics Laboratory, WPAFB, Ohio, 1978-1984.
NASA-ASEE Summer Faculty Fellow, Goddard Space Flight Center, Greenbelt, Maryland, Summers, 1970 and 1971
Consultant, Aero Geo Astro Corp., Alexandria, Virginia, Jan. 1961-1966
Development Engineer, Sylvania Electronic Defense Laboratory, Mountain View, California, part-time, June 1957-Sept. 1960
Research Assistant, Stanford Electronics Laboratories, Stanford, California, part-time, Sept. 1957-May 1960
Project Engineer, Communication and Navigation Laboratory, Wright Air Development Center, Ohio, 1955-1957
Research Assistant, Department of Electrical Engineering, Notre Dame, 1954-1955

Major Areas of Teaching and Research Interest:

Electronic Design Automation, Logic Design
VLSI Design, Computer Architecture
Computer Simulation

Professional and Honor Societies:

Institute of Radio Engineers, 1952-1962, Chairman, South Bend Section, 1962
Institute of Electrical and Electronics Engineers, Life Senior Member
Chairman, South Bend Section, 1963.
American Society for Engineering Education, Life Member,
Program Chairman, Instrumentation Division, 1993-95
Secretary/Treasurer, Instrumentation Division, 1996-99
Society for Computer Simulation, Senior Member,
Chairman, Midwestern Council 1978, National Board 1979-1980,
Midwestern Steering Committee 1978-83
Computers in Engineering Division AEEE
Association for Computing Machinery

Mentor Graphics Users Group, Vice-Chairman University SIG, 1993-94
General Automation Users Group Exchange, Vice-President 1977-1978
Registered Professional Engineer, Indiana PE60009516, 1961-2004
Eta Kappa Nu, Electrical Engineering Honor Society
Tau Beta Pi, Engineering Honor Society
Sigma Xi, Science and Engineering Research Society

Honors and Awards:

Notre Dame IEEE Student Branch Outstanding CSE Teacher Award, 1999
Notre Dame Kaneb Award for Excellence in Teaching and Curriculum Development, 1999
ASEE Fluke Award for Excellence in Laboratory Instruction, 1998 (with John Uhran)
Notre Dame Ceremonial Mace bearer, academic year 1996-1997
American Society for Engineering Education Centennial Certificate, 1993
The Faculty Award, University of Notre Dame, 1991
U.S. Air Force Meritorious Service Medal, 1984
U.S. Air Force Commendation Medal, 1979
IEEE Engineer of the Year Award, South Bend Section, 1965
Institute of Radio Engineers Computer Fellowship, administered by NSF, 1957-1959
The Outstanding Bandsman Award, University of Notre Dame, 1954
Meehan Scholastic Scholarship, University of Notre Dame, 1950-1954
Commencement Salutatorian, St. John's College High School, Washington, D.C., 1950
Harvard Prize Book Award, St. John's College High School, Washington, D.C., 1949
Commencement Salutatorian, St. Charles School, Arlington, VA, 1946

Professional Activities:

Participated in the ASEE Annual Conference, St. Louis, MO, June 18-22, 2000.
Participated in the Mentor Graphics Users Group International Conference, Portland, OR, September 25-30, 1999.
Participated in ASEE Convention as Session Chairman and Secretary/Treasurer of the Instrumentation Division, Charlotte, NC, June 20-23, 1999.
Participated in Notre Dame Kaneb Faculty Retreat, Lake Wawasee, IN, May 17-18, 1999.
Participated in ASEE Convention as Session Chairman and Secretary/Treasurer of the Instrumentation Division, Seattle, WA, June 27-July 2, 1998.
Participated in ASEE Convention as Session Chairman and Secretary/Treasurer of the Instrumentation Division, Milwaukee, WI, June 15-18, 1997.
Participated in Mentor Graphics Users Group meeting and conducted a Notre Dame booth, Wilsonville, OR, October 19-23, 1996.
Participated in ASEE Convention as Chairman of two sessions, Washington, D.C., June 23-26, 1996.
Participated in Mentor Graphics Users Group meeting and conducted a Notre Dame booth, Wilsonville, OR, October 21-26, 1995.
Participated in ASEE Convention as Program Chairman of Instrumentation Division and Session Moderator, Anaheim, CA, June 24-29, 1995.
Participated in Mentor Graphics Users Group meeting, Santa Clara, CA, October 2-6, 1994.
Participated in ASEE Annual Conference as Program Chairman at the Instrumentation Division in Edmonton, Alberta, Canada, June 26-29, 1994.
Participated in Mentor Graphics Users Group Steering Committee meeting in Wilsonville, OR, April 28-29, 1994.
Attended the University Microelectronics Forum, Delco Electronics Corporate Technology Center, Kokomo, IN, October 8, 1993.
Conducted with John Uhran, Jr. the NSF Faculty Workshop on Electronic Design Automation, Notre Dame, IN, June 28-July 1, 1993.
Participated in the 30th Design Automation Conference, Dallas, TX, June 14-17, 1993.

Attended the Mentor Graphics Corporation "Board Station V8" Training Course, Schaumburg, IL, December 14-18, 1992.
Participated in the Mentor Graphics Users Group Meeting, Wilsonville, OR, October 26-29, 1992.
Attended the faculty workshop "Xilinx Field Programmable Gate Arrays in the Classroom," Illinois Institute of Technology, Chicago, IL, July 30-31, 1992.
Attended the Sargent & Lundy Faculty Engineering Conference, Chicago, IL, February 21, 1992.
Visited (with Professors Bass and Uhran) the Digital Design Laboratory at the University of Michigan, Ann Arbor, MI, October 1, 1991.
Attended the 28th Design Automation Conference, San Francisco, CA, June 14-22, 1991.
Attended the Sargent & Lundy Faculty Engineering Conference, Chicago, IL, March 8, 1991 and March 9, 1990.
Attended P-CAD Seminar "Printed Circuit Board Design," Indianapolis, IN, January 11, 1990.
Attended Hewlett-Packard VXI bus Instrumentation Seminar in Indianapolis, IN, September 25, 1990.
Participated in the NSF Faculty Workshop on VLSI Design, Massachusetts Microelectronics Center, Westborough, MA, June 10-23, 1990.
Attended the National Communications Forum in Chicago as a Faculty Fellow, October 2-4, 1989.
Attended with Professor Lee the Mayo MagiCAD Seminar in Rochester, Minnesota August 10, 1988.
Attended Sencore Seminar on Laboratory Instrumentation, South Bend, IN, October 19, 1987.
Attended the National Communications Forum in Chicago as a Faculty Fellow, September 27-30, 1987.
Attended IEEE Region 4 Workshop for Student Branch Officers and Counselors in Indianapolis, October 7, 1986.
Attended Motorola Technical Training Class on MTT16 - Virtual 68010 in Schaumburg, IL, January 31 - February 2, 1984.
Attended the National Electronics Conference Profession Growth in Electronics Seminar on Minicomputers, St. Charles, IL, March 14-17, 1971.
Participated in the Engineering Workshop on Computer Assisted Instruction at the State University of New York at Stony Brook, November 16-18, 1967.
Attended the Distributed System Modeling and Control Short Course at Purdue University, Lafayette, IN, July 10-21, 1967.
Attended the National Electronics Conference Seminar on Computers in Network and System Design, Chicago, IL, October 4, 1966.
Participated in Hybrid Computation - A Short Course at the University of Wisconsin, Madison, WI, January 24-28, 1966.
Participated in the Tenth Anniversary Scientific Seminar sponsored by the University of New Mexico and AFOSR, Cloudcroft, NM, June 19-25, 1965.
Participated in the Modern Aspects of Automatic Control Course at Purdue University, Lafayette, IN, June 1-12, 1964.
Participated in Advances in Control Systems: Digital Methods at the University of Wisconsin, Madison, WI, March 9-10, 1964.
Lectured and developed laboratory experiments for the NSF Institute on "Fundamentals of Automatic Control Systems" at Notre Dame, from June 17 to August 2, 1963.
Represented Notre Dame at the National Electronics Conferences at McCormack Place in Chicago, October 7-10, 1962 and October 28-30, 1963.

Publications:

John J. Uhran, Jr. and Eugene W. Henry, "Broadening the Engineering Curriculum and Infrastructure," Proceedings of the International Conference on Engineering Education, Valencia, Spain, 21-25 July, 2003, Area 6: Engineering Education in the Age of Digital Technology and Globalization, pp 1-6.

Eugene W. Henry, "Computer Design," McGraw-Hill Yearbook of Science & Technology, 2002, pp. 53-56.

Eugene W. Henry and John J. Uhran, Jr., "Studying Engineering Abroad: The Notre Dame Experience in London," Proceedings of 7th Annual International Conference on Engineering Education, Oslo, Norway, August 4-8, 2001, pp. 6D2:14-18.

Eugene W. Henry and John J. Uhran, Jr., "Engineering Design for the Global Environment," Proceedings of Engineering World Congress, Vienna & Budapest, 1996, pp. 244-249.

Eugene W. Henry, "Mentor Graphics Tools in Computer Engineering at Notre Dame," Proceedings of the Mentor Graphics Users Group Meeting, Wilsonville, OR, October 4-8, 1993, CD ROM.

Eugene W. Henry and John J. Uhran, Jr., "Integration of EDA Tools into the Computer Engineering Curriculum," Proceedings of the 36th Midwest Symposium on Circuits and Systems, Detroit, MI, August 16-18, 1993, pp. 669-672.

John J. Uhran, Jr. and Eugene W. Henry, "Real Labs vs. Simulation," Proceedings of the American Society for Engineering Education Annual Conference, Urbana-Champaign, IL, June 20-24, 1993, pp. 1438-1443.

John J. Uhran, Jr. and Eugene W. Henry, "Combining Communication, Research and Design for the Undergraduate," Proceedings of the American Society for Engineering Education Spring Conference, Terre Haute, IN, March 5-6, 1993, pp. 2B7-2B10.

Eugene W. Henry and John J. Uhran, Jr., "Computer Networks in Engineering Laboratories," Proceedings of the American Society for Engineering Education Annual Conference, Toledo, OH, June 21-25, 1992, pp. 1454-1458.

John J. Uhran, Jr., Eugene W. Henry and Stanley Yoder, "Automated Electronic Circuit Design: Realities and Pitfalls," Proceedings of the Frontiers in Education Annual Conference, Purdue University, West Lafayette, IN, September 21-24, 1991, pp. 58-62.

John J. Uhran, Jr., Eugene W. Henry and Stanley Yoder, "Software Acquisition for Engineering Education," Proceedings of the American Society for Engineering Education Spring Conference, University of Illinois, Urbana-Champaign, IL, April 26-27, 1991, pp. 2A5-2A8.

Eugene W. Henry and J.J. Uhran, Jr. "Development of a Senior Design/Research Laboratory," Proceedings of the 1990 Frontiers in Education Conference, July 2-4, 1990, Vienna, Austria, pp. 613-615.

John J. Uhran, Jr. and Eugene W. Henry, "A Laboratory for Computer System Design," Proceedings of the American Society for Engineering Education Annual Conference, June 24-28, 1990, Toronto, Ontario, Canada, pp. 1568-1571.

John J. Uhran, Jr. and Eugene W. Henry, "The Problem Design at the Senior Level," Proceedings of the American Society for Engineering Education Illinois/Indiana Section Meeting, November 7, 1989, Indianapolis, IN, pp. 86-95.

John J. Uhran, Jr. and Eugene W. Henry, "Laboratory Experiments," Proceedings of the American Society for Engineering Education Annual Conference, University of Nebraska, Lincoln, June 25-29, 1989, pp. 1274-1276.

Eugene W. Henry and John J. Uhran, Jr., "A Year's Experience with PC Instruments in an EE Laboratory," Proceedings of the American Society for Engineering Education Annual Conference, University of Portland, OR, June 19-23, 1988, pp. 1634-1638.

Eugene W. Henry and A. B. Pardo-Ortiz, "Personal Computer Control and Measurement for Monolayer Experiment," Proceedings of the Fifth International Conference on Systems Engineering, September 1987, Dayton, Ohio, pp. 437-476.

John J. Uhran and Eugene W. Henry, "PC Instruments in an Intermediate Electrical Engineering Laboratory," Proceedings on The American Society for Engineering Education

Annual Conference, June 1987, Reno, Nevada, pp.1440-1445.

Darleen Pigford, Albert E. Miller, and Eugene W. Henry, "Design of a Software Interface for an Intelligent, Interactive, and Integrated Videodisc System," Proceedings of the Twenty-Sixth International Conference of the Association for the Development of Computer-Based Instructional Systems, Philadelphia, PA, March 25-28, 1985, pp. 157-164.

Gregory R. Baur, Albert E. Miller and Eugene, W. Henry, "Implementation of a Software Interface with Bar Code Data Entry for an Intelligent Interactive Videodisc Instructional System," Proceedings of the Twenty-Sixth International Conference of the Association for the Development of Computer-Based Instructional Systems, Philadelphia, PA, March 25-28, 1985, pp.126-134.

Gregory R. Baur, Albert E. Miller and Eugene W. Henry, "Bar Code Input-Output in an Intelligent Videodisc Instructional System," Proc. IEEE EdCompCon, Nov. 1984, pp.1-8.

Darleen Pigford, Eugene W. Henry and Albert E. Miller, "Assessing Integrated and Interactive Microcomputer-Based Videodisc Authoring Systems," Proc. IEEE EdCompCon '84, Nov. 1984, pp.79-86.

James M. Daschbach and Eugene W. Henry, "Computerized Video Work Measurement," Computers & Industrial Engineering, 1980, 4(1): 13-18.

J.M. Daschbach and Eugene W. Henry, "Work Simplification Technology as an Acquisition Parameter," Proc. Ninth Annual DOD/FAI Acquisition Research Symposium, June 1980, Annapolis, MD, pp. 4.

J.M. Daschbach, W.E. Biles, R.M. Brach, E.W. Henry, D.T. Link, M.K. Sain and J.J. Uhran, Jr., 1977, Courts, pages 350-382 in, Encyclopedia of Computer Science and Technology, Vol. 6, Computer-Selection to Curriculum, Marcel Dekker, Inc.

M.K. Sain, E.W. Henry and J.J. Uhran, Jr., "An Algebraic Method for Simulating Legal Systems," Simulation, Vol. 21, No. 5, pp. 150-159, Nov. 1973.

E.W. Henry, J.J. Uhran, Jr., and M.K. Sain, "Interactive Computer Simulation of Court System Delays", Socio-Economic Systems and Principles, edited by Vogt, Mickle, and Hoelscher, Univ. of Pittsburgh School of Engineering, Publication Series No. 10, 111-120, 1973.

E.W. Henry, "Computer Routines for On-Line Digital Control", NASA Report No. 524-72-39, Goddard Space Flight Center, Greenbelt, MD, Feb. 1972.

E.W. Henry, "A Quasi-Optimal Nonlinear Controller for Steerable Structures", Proc. 5th Hawaii International Conference on System Science, pp 267-269, Honolulu, 1972.

C.G. Foshio, J.M. Daschbach et. al (including E.W. Henry), "Systems Study in Court Delay: LEADICS, Law-Engineering Analysis of Delay in Court Systems", Law School and College of Engineering, University of Notre Dame, Notre Dame, Indiana. Vol. I: "Executive Summary," distributed by National Technical Information Service, U.S. Dept. of Commerce, 5285 Port Royal Road, Springfield, VA, Number PB-214 595.

J.J. Uhran, Jr., M.K. Sain, E.W. Henry and D. Sharpe, "Computer Model of the Felony Delay Problem", IEEE International Convention Digest, pages 310-311, March 1972.

E.W. Henry, J.J. Uhran, Jr. and M.K. Sain, "Interactive Computer Simulation of Court System Delays", Proc. 3rd Annual Pittsburgh Conference Modeling Simulation, 1972, 89-98.

E.W. Henry, "Academic Uses of Computers at the University of Notre Dame", Analog Hybrid Computer Education Society Newsletter 1971, VI-5, 1-3.

E.W. Henry, "Review of Y. Chu's Digital Simulation of Continuous Systems," Trans. IEEE. 1971, AC-16, 215-216.

E.W. Henry, "Computer Aided Design of Circuits and Systems, NDU Tech. Report EE-686, July 1, 1968.

E.W. Henry and B.L. Wills, "Mermaid: A Problem-Oriented Language for Digitally-Aided Analog and Hybrid Computation", Final Report of the NSF Advanced Science Seminar on Computer Aided Design in Engineering Education, University of Houston, pp. A.6.1-A.6.26, Summer 1968.

E.W. Henry, "The Basic Mathematics of Automatic Control", Chapter 2 of DISCIPLINES AND TECHNIQUES OF SYSTEMS CONTROL, edited by J. Peschon, Ginn & Co., 1965.

E.W. Henry, "On-Line Computer Applications in the Omega Navigation System", Aero Geo Astro Corp., Report No. M1572, August 1962.

E.W. Henry, "Analog Simulation of a Frequency Detector", IRE Trans. Vol. EC-11, No. 1, p.80, Feb. 1962.
E.W. Henry and T. Gunn, "A Quarter Square Multiplier for Analog Simulation", Sylvania Report No. EDL-M382, Aug. 1961.
E.W. Henry, "Pulsed Signal Detection with Time Gating Correlation", Sylvania Report No. EDL-M281, 1960.
E.W. Henry, "Logical Scheduling of a Multiplexed Digital Controller", Ph.D. Dissertation, Stanford Electronics Laboratories, Report No. 2106-1, July 1960.
G. Franklin, L. Shaw, and E.W. Henry, "Study of Adaptive and Time Shared Control Systems", Stanford Electronics Laboratories Annual Summary Report, April 1960.
K. Johnson, M. Phister and E.W. Henry, "Digital Techniques Applied to a Modulation Programmer for an ECM Weapon", Sylvania Report EDL-M213, Nov. 1959.
E.W. Henry, "Phase Plane Characterization of the Duffing Equation", WADC Technical Report No. 55-487, 1955.

Presentations:

Eugene W. Henry and John J. Uhran, Jr., "Studying Engineering Abroad: The Notre Dame Experience in London," 7th Annual International Conference on Engineering Education, Oslo, Norway, August 4-8, 2001.
Eugene W. Henry and John J. Uhran, Jr., "Engineering Design for the Global Environment," Engineering World Congress, Budapest, July 3, 1996.
M. D. Mueller, E. W. Henry and R. J. Minniti, "Modeling and Simulation of Mixed Analog Circuits using VHDL," The Fourth Great Lakes Symposium on VLSI, Notre Dame, IN, March 4-5, 1994.
Eugene W. Henry and David Lam, "Xilinx FPGA Faculty Workshop", University of Notre Dame, August 15, 1994.
Eugene W. Henry, "Mentor Graphics Tools in Computer Engineering at Notre Dame," Mentor Graphics Group Meeting, Portland, OR, October 4-8, 1993.
Eugene W. Henry, "Integration of EDA Tools into the Computer Engineering Curriculum," 36th Midwest Symposium on Circuits and Systems, Detroit, MI, August 16-18, 1993.
John J. Uhran, Jr. and Eugene W. Henry, "Use of EDA Tools at the University of Notre Dame," Indiana Microelectronics Center Academic Conference, Fort Wayne, IN, March 12, 1993.
John J. Uhran, Jr. and Eugene W. Henry, "Combining Communication, Research and Design for the Undergraduate," American Society for Engineering Education Spring Conference, Terre Haute, IN, March 5-6, 1993.
Eugene W. Henry, "Computer Networks in Engineering Laboratories, " American Society for Engineering Education Annual Conference, Toledo, OH, June 21-25, 1992.
John J. Uhran, Jr. and Eugene W. Henry, "Automated Electronic Circuit Design: Realities and Pitfalls," Frontiers in Education Annual Conference, Purdue University, West Lafayette, IN, Sept. 21-24, 1991.
John J. Uhran, Jr. and Eugene W. Henry, "Software Acquisition for Engineering Education," American Society for Engineering Education Spring Conference, University of Illinois, Urbana-Champaign, IL, April 26-27, 1991.
E.W. Henry and J.J. Uhran, Jr., "Development of a Senior Design/Research Laboratory," Frontiers in Education Conference, July 2-4, 1990, Vienna, Austria.
John J. Uhran, Jr. and Eugene W. Henry, "A Laboratory for Computer System Design," American Society for Engineering Education Annual Conference, June 24-28,1990, Toronto, Ontario, Canada.
John J. Uhran, Jr. and Eugene W. Henry, "PC Laboratory Experiments," poster session at ASEE Annual Conference, Toronto, Canada, June 24-28, 1990.
John J. Uhran, Jr. and Eugene W. Henry, "The Problem of Design at the Senior Level," ASEE Illinois/Indiana Section Meeting, November 7, 1989, Indianapolis, IN.
John J. Uhran, Jr. and Eugene W. Henry, "Laboratory Experiment for a PC Environment," Poster Session 2559, American Society for Engineering Education Annual Conference,

University of Nebraska, Lincoln, June 25-29, 1989.

E.W. Henry and John J. Uhran, Jr., "A Year's Experience with PC Instruments in an EE Laboratory," American Society for Engineering Education Annual Conference, University of Portland, Oregon, June 19-23, 1988.

E.W. Henry, "Modeling and Simulation of Dynamical Physical Systems," a series of ten two-hour lectures presented under the auspices of the Bendix Management Club, at the Bendix Energy Controls Division, South Bend, IN, October 29, 1987 through January 28, 1988.

E.W. Henry, "Personal Computer Control and Measurement for Monolayer Experiments," Fifth International Conference on Systems Engineering, Dayton, OH, Sept. 9-11, 1987.

Eugene W. Henry and John J. Uhran, Jr., "PC Instruments in an Intermediate Electrical Engineering Laboratory," American Society for Engineering Education Annual Conference, Reno, Nevada, June 21-25, 1987.

E.W. Henry, "Simulation and Programming of Cooperating Processes for Computer Communications," for IBM PC Lab at Notre Dame, October 17, 1986.

E.W. Henry, "IBM PC Network and The Great Communicator," for IBM PC Lab at Notre Dame, October 17, 1986.

E.W. Henry, "IBM PC Network and The Great Communicator," at IBM, Endicott, NY, August 18, 1986.

E.W. Henry, "Computer Graphics at the University of Notre Dame," seminar on Applied Business Graphics, Michiana Chapter of the Association for Systems Management, Center for Continuing Education, Notre Dame, IN, March 22, 1985.

E.W. Henry, "A GPSS-Based Ethernet Simulation Model," Midwestern Simulation Council Meeting on Simulation of Computer Systems and Networks, Dayton, OH, April 30, 1984.

E.W. Henry, "The U.S. Air Force Reserves," Director's Call, Flight Dynamics Laboratory, AF Wright Aeronautical Laboratories, Wright-Patterson AFB, OH, March 22,1984.

E.W. Henry, "Computer Communications for the 80's," Data Processing Management Association, Michiana Chapter Meeting, South Bend, IN, Jan. 19, 1984

E.W. Henry, "Microprocessors in a Hierarchical Computer System for Measurement, Control and Simulation, "Midwestern Simulation Council Meeting on Microprocessors in Simulation and Control, Thomas More College, KY, Apr. 28-29, 1980.

E.W. Henry, "A Comparative Overview of GPSS and Simscript," Midwestern/Central Simulation Council Meeting on Special Hardware and Software for Dynamic Simulation, Univ. of Wisconsin, Madison, Oct. 16-17, 1978.

J. Kaiser and E.W. Henry, "Microprocessor Controlled Laboratory Data Acquisition System," Midwestern Simulation Council Meeting on Data Acquisition and Process Control, Lawrence Institute of Technology, Southfield, MI, Nov. 21, 1977.

R. S. Eikenberry and E.W. Henry, "Fortran 77 and Its Implementation in NDFOR," General Automation Users Group Meeting, San Francisco, CA, Sept. 28-30, 1977.

E.W. Henry, "Enhancements of the Notre Dame Fortran Compiler," General Automation Users Group Exchange Meeting, Anaheim, CA, Feb. 19-20, 1976.

M. Crowley and E. Henry, "ANSIR3: A Digital Language for Hybrid Simulation and Patching," ICM-75 Conference on Computer-Based Simulation and Gaming in College Teaching, ASEE, University of Michigan, April 25, 1975.

E.W. Henry, "Real Time Bode Analysis via Hybrid Computer," Joint Midwestern and Eastern Simulation Council Meeting on Aerospace, Transportation and Engines, WPAFB, Ohio, May 22, 1973.

J. Lysaught and E. Henry, "ANSIR: A Language for Digital Simulation and Patching of Analog Computers," Joint ASEE/Midwestern Simulation Council Meeting on Uses of Computers in Educational Systems, University of Wisconsin, Oct. 21, 1971.

E, W. Henry, "On-Line Computer Applications in the Omega Navigation System," Illinois Institute of Technology, Nov. 2, 1962

Ph.D. Dissertations Directed by Eugene W. Henry:

William D. O'Neil * "Controlability and Time Optimality of Systems with Linear Control
May 1965 and Bounded State Space"
* First Ph.D. in Electrical Engineering awarded at the University of Notre Dame.

M.S. Theses Directed by Eugene W. Henry:

Mark Mueller April 1994	Modeling Analog Circuitry with VHDL
Matt Honkanen July 1992	Computer Control of a Scanning Tunneling Microscope
Joseph Olatupuram July 1991	Performance Evaluation of Distributed File Systems
Sandesh Malpure April 1990	Distributed Control Using the X Window System
Sandra Frey April 1989	A Simulation Computer Language Translator: From EASY5 to ADSIM
Thomas Markiewicz May 1988	Design of a High Speed Data Acquisition System for Cosmic Ray Detection
Soon Ju Lee July 1986	Evaluation and Configuration of Hardware and Software for a Microcomputer Laboratory
Alain Godec April 1986	Hardware and Software Augmentation of a Microcomputer Development System
Ana B. Pardo-Ortiz April 1986	Personal Computer Control and Measurement for Monolayer Experiments
Gregory R. Baur August 1984	The Use of Bar Code Input/Output in an Intelligent Interactive Videodisc Instructional System
Darlene Pigford August 1984	Interactive Videodisk: A Model for Authoring Systems and a Software Interface for Microcomputers
Tapas Datta July 1984	A Time Shared, Multiple-Access Memory and Memory Support System for Graphics Overlay
Farid Khafrallah July 1984	Data Communication Software for Process Control
David B. Meehan July 1984	Device-Independent Computer Graphics with Applications for the PRIME Computer System
Tihamer Toth-Fejel June 1984	Self-Test: Murphy & Law Versus Electronic Automata, from Simple Circuits to Self-Replicating Robotic Systems

Gregory Erjavac May 1984	Systems Software for Device-Independent Computer Graphics
Ram Deo Singh June 1982	Device Independent Computer Graphics Using Metafiles
Shekhar Y. Borkar July 1981	Microcomputer Control of the Raman Spectrometer
Frederic G. Myers May 1980	Interactive Computer Graphics: Hardware and Software
Pradeep Samudra May 1980	PDP-11 Computer Graphics: Systems and Application Software
Sudesh Bose January 1979	Computer Software for Communication Between the IBM-370 and the DEC PDP-11
James W. Kaiser January 1978	A Computerized Laboratory Monitor
James Jaroch May 1977	AESOPB A Computer Program for Estimation, Simulation and Optimization of Large Linear Systems
Jerald P. Martocci April 1977	A Braille Cassette Recording System
Anil R. Desai January 1977	Data Acquisition and Processing for an Energy Consumption Study of an Industrial Process
James Keenan August 1975	Dual Process Input/Output System Hardware and Software
Mark Crowley August 1975	ANSIR3: A Digital Language for Hybrid Simulation and Patching
Edward J. Tenholder November 1974	PADRES: A Programmable Analog Data Reduction System
Michele Elia May 1973	Control Systems for Steerable Structures
James V. Lysaught August 1971	ANSIR2: A Language for Patching and Checking Analog and Hybrid Computers
Emil J. Tejkowski July 1969	ANSIR: A Language for Patching and Checking Analog and Hybrid Computers
J.J. Brann, Jr. April 1965	Development of Computer Laboratory Experiments
A. Frederick Fath July 1963	Design and Development of Laboratory Equipment and Procedures for a First Course in Automatic Control Systems

Courses Taught by Eugene W. Henry:

Graduate Courses:
- Mathematical Programming
- Electronic Systems
- Digital Control Systems
- Optimal Control Theory
- Advanced Control Theory
- Hybrid Computation
- Network Analysis
- Network Synthesis
- Advanced Computer Hardware
- Advanced Simulation & Graphics
- Ph.D. Research
- M.S. Research

Senior/Graduate Courses:
- Computer Simulation
- Pulse and Digital Circuits
- Languages and Translation
- Control Systems
- Operating Systems
- Systems Programming
- Computer Graphics
- Computer Networks
- VLSI Circuit Design
- Directed Projects

Undergraduate Courses:
- Radio Engineering
- Electronics
- Signals & Systems I - In London program, 1998, 2000 and 2002
- Computer Architecture I - In London program, 1998, 2000 and 2002
- Computer System Design I
- Computer System Design II
- EE Junior Laboratory
- Logic Design
- Machine Language
- Languages & Translation
- Introduction to Computing I
- Introduction to Computing II
- Introduction to Computing III
- Microcomputers
- Engineering Concepts
- Engineering Probability
- Computer Programming
- Advanced Computer Programming
- Undergraduate Projects

Laboratories:

Developed experiments, specified equipment, and designed additional equipment for the following laboratories:

EE Control Systems Laboratory
EE Computer Simulation Laboratory
EE Microcomputer Laboratory
EE & CSE Logic Design Laboratory
EE Junior Laboratory
EE & CSE Computer Design Laboratory
Engineering Computer Laboratory at the Notre Dame London Center

Funded Research & Equipment Proposals

Peter Kogge, Jay Brockman and Eugene Henry, "Scalable Spaceborne Computing Using PIM Technology," $150,000, Jet Propulsion Laboratory, May to November, 1997.
Eugene W. Henry, Xilinx Corporation Field Programmable Gate Array hardware and software for use with Mentor Graphics tools on Sun workstations, $15,000, March, 1993.
Eugene W. Henry & John J. Uhran, Jr. "An Electrical Engineering Design/Research Laboratory," NSF Laboratory Improvement Program, $181,594, November, 1988 to April, 1991.
J. Uhran and E. Henry, "A Faculty Workshop on PC-Controlled Undergraduate Laboratory Experiments," $73,027, NSF, April, 1988 to April, 1989. Two workshop sessions were conducted at Notre Dame during Summer of 1988 for 32 faculty from the U.S. and Canada.
J. Uhran & E. Henry, "Senior Design Laboratory," $134,951, Lilly Endowment, Inc., September, 1988 to February, 1990.
E. Henry & J. Uhran, "Two PC Instruments Workstations," $39,072, Hewlett-Packard Foundation, September,1988.
E. Henry, "Seven Intel 80287-10 Numeric Coprocessors," $2,240, Intel Corporation, September, 1988. For use in the EE-340 Laboratory.
T. Akai, P. Go, D. Cohn, W. Beery and E. Henry, "Microcomputer Workstation Laboratory for the College of Engineering and the Department of Electrical and Computer Engineering at the University of Notre Dame," $120,310, Hewlett-Packard Foundation, October, 1988.
E. Henry, "Four Lee Data Xenix Computer Systems," $58,000, BDS Corporation, Sterling, Virginia, October, 1988.
Hewlett-Packard Foundation $18,862 in laboratory equipment for ECE Department, July 1986. Lee Davis Xenix Computer Systems from BDS Corp., $36,835, October 1986.
Revitalization of the Undergraduate Laboratory Experience in the ECE Dept., Lilly Endowment, $38,000, Sept. 1986 to Dec. 1987, with John Uhran.
Computer Communications, IBM PC-Lab, $12,400, July 1986 to June 1987, with David Cohn.
Design of high-speed video data and control bus. RADII, Inc., 1984, $5,000, 8 months.
Computer-aided data acquisition and control of experiments in radiation chemistry. Sponsored by the Notre Dame Radiation Laboratory, including support of at least one graduate student per year. Approximately $20,000 per year from 1977 to 1986
Energy conservation studies, Bendix Corporation, 1975, $9,774 12 months

University Service:

CSE Graduate Studies Committee, 1995
CSE Undergraduate Studies Committee, 1994-99, Chairman
CSE Committee on Appointments and Promotions, 1990-2001
CSE Honesty Committee, 1995-99, Chairman
CSE Chairman Search Committee, 1998-99, Chairman
ECE Computer Area Committee, 1986-1990, Chairman
ECE Undergraduate Equipment Committee, 1986-1990, Chairman

ECE Honors Committee, 1988-89, Chairman
EE Undergraduate Committee, 1992-93, CSE Representative
EE Graduate Studies Director, 1980-86.
IEEE Student Chapter Faculty Advisor, 1986-1991
Engineering College Council, 1997-99
Engineering Centennial Honor Awards Committee, 1973-74
College of Engineering Undergraduate Studies Committee, 1992-93
Faculty Senate, 1969-1972, 1984-1987. Faculty Senate Vice-Chairman, 1970-71
Faculty Affairs Committee Chairman, 1971-72
University Graduate Council, 1985-1987
University Elections Committee, 1988-1990
University Faculty Award Committee, 1997, 2009-2011

Community Service:

Science and Engineering Fair Judge, 1976-2003, 2010-2012.
Southhold Symphonic Wind Band, IUSB, 1965-2012, trombonist
Twin Cities Concert Band, South Bend-Mishawaka, 2013- , trombonist
Peninsula Community Band, Palo Alto, CA, 1957-1960, trombonist
Albuquerque Municipal Band, NM, 1982-1983, trombonist
Notre Dame University Band, 2003-, trombonist
Indiana University at South Bend Jazz Ensemble, 1980-2002, trombonist
International Trombone Society, member, 1983 -
Tuition to Music Dance Band, South Bend, IN, Summers 1989-1995, trombonist
St. Patrick's Church Choir, South Bend, IN, 1972-1982, tenor.
Our Lady of the Assumption Choir, Albuquerque, NM, 1982-1983, tenor
St. Matthew Cathedral Choir, South Bend, IN, 1984 - , tenor
Notre Dame Club of St. Joseph Valley, member
Air Force Association, Michiana Chapter member
Reserve Officers Association, Council Oak Chapter member
Military Officers Association of America, Michiana Chapter, member
WAUS-FM Community Advisory Council, member 2005-2014, Vice President 2007-2008, President 2008-2009