

John J. Krupczak, Jr.

Hope College Department of Engineering
Vanderwerf Hall
27 Graves Pl
Holland, Michigan, 49423 USA
Phone: 616-395-7152
Email: krupczak@hope.edu

EDUCATION:

Institution	Major	Degree & Year
University of Massachusetts, Amherst, MA	Mechanical Engineering	Ph.D. 1994
University of Massachusetts, Amherst, MA	Mechanical Engineering	MS. 1986
Williams College, Williamstown MA	Physics	BA. 1980

APPOINTMENTS:

Professor of Engineering and Engineering Department Chair, Hope College, 2007-present.

Senior Fellow CASEE (Center for the Advancement of Scholarship on Engineering Education) National Academy of Engineering (2008-2010).

Associate Professor of Engineering and Engineering Department Chair, Hope College, 2000-2006.

Visiting Professor, Meiji Gakuin University, Tokyo, Japan, Fall 2004.

Assistant Professor of Engineering, Hope College, Holland, MI, 1997-2000.

Visiting Assistant Professor of Engineering, Hope College, Holland, MI, 1994 - 1996.

Mechanical Engineer, US Dept. of Energy, Superconducting Super Collider Laboratory, TX, 1992- 1994.

Research Assistant, Williams College Hydrogen Maser Laboratory, Williamstown, MA, 1988 - 1992.

Research and Teaching Assistant, University of Massachusetts, Amherst, MA, 1983 - 1987.

Technician, GTE Inc. (now Verizon), Advanced Technology Laboratory, Waltham, MA. 1982 - 1983.

AWARDS AND ACCOMPLISHMENTS:

External Grant Funding: \$1,089,245. (Total since 1997).

Hope College Outstanding Professor – Educator, 2009
(Awarded by vote of graduating class, 1 per year).

Hope College Natural and Applied Sciences Faculty Mentoring/Advising/Teaching Award, 2007
(Awarded by student committee, 1 per year).

Hope College Janet L. Andersen Excellence in Teaching Award, 2007
(Awarded by Provost Office, 1 per year).

Chair, Technological Literacy Division, American Society for Engineering Education (ASEE), 2009-present.

Chair, Liberal Education Division, American Society for Engineering Education (ASEE), 2006.

PUBLICATIONS:

Krupczak, J.J., "Using Functional Analysis as a Framework for Understanding Technology," *Proceedings of the American Society for Engineering Education 2010 Annual Conference*, June 20-23, 2010, Louisville, KY.

Krupczak, J.J, and K. Disney, "Portable Laboratories for General Education Engineering Courses," *Proceedings of the American Society for Engineering Education 2010 Annual Conference*, June 20-23, 2010, Louisville, KY.

Mina, M, J.J. Krupczak, R. Gustafson, J. Young, "Expanding Technological Literacy Through Engineering Minors," *Proceedings of the American Society for Engineering Education 2010 Annual Conference*, June 20-23, 2010, Louisville, KY.

Krupczak J.J, M. Mina, R. Gustafson, J. Young, "Development of Engineering-Related Minors For Non-Engineering Students," *Proceedings of the American Society for Engineering Education 2010 Annual Conference*, June 20-23, 2010, Louisville, KY.

Krupczak J.J., T. Simpson, V. Bertsch, K. Disney, E. Garmire, Seung Ki Moon, "An Infrastructure to Facilitate the Creation of Courses on Technology and Engineering for Non-Engineers," *Proceedings of the American Society for Engineering Education 2010 Annual Conference*, June 20-23, 2010, Louisville, KY.

Krupczak, J.J, Kate Disney, Scott VanderStoep, "Work in Progress – Using Insights from Non-Engineers to Help Develop Laboratory Projects," *Proceedings of the 39th ASEE/IEEE Frontiers in Education Conference*, October 18 - 21, 2009, San Antonio, TX.

Krupczak, J.J, and K. Disney, "Instructor-Friendly Introductory Laboratory Projects For Use In 2 Or 4 Year Colleges," *Proceedings of the American Society for Engineering Education 2009 Annual Conference*, June 17-19, 2009, Austin, TX.

Krupczak, J.J, K. Disney, and S. Vanderstoep, "Laboratory Projects Appropriate For Nonengineers and Introduction to Engineering," *Proceedings of the American Society for Engineering Education 2009 Annual Conference*, June 17-19, 2009, Austin, TX.

Krupczak, J.J., "New Developments In Engineering For Nonengineers: Functional Analysis as a Framework for Understanding Technology," *Proceedings of the American Society for Engineering Education 2009 Annual Conference*, June 17-19, 2009, Austin, TX.

Disney, K. and J.J. Krupczak, "Laboratory Projects Appropriate for Non-Engineers and Freshman Engineering Students," *Proceedings of the Pacific Southwest Section of the American Society for Engineering Education 2009*, March 17-18, 2009, San Diego, CA.

Krupczak, J.J, T. Simpson, V.Bertsch, K. Disney, E. Garmire, B. Oakley, M. Rose, "Work in Progress – A Framework for Developing Courses on Technology and Engineering for All Students," *Proceedings of the 38th ASEE/IEEE Frontiers in Education Conference*, October 22 – 25, 2008, Saratoga Springs, NY.

Krupczak, J.J, T. Simpson, V.Bertsch, K. Disney, E. Garmire, B. Oakley, M. Rose, "A Framework for Developing Courses on Engineering and Technology for Non-Engineers," *Proceedings of the American Society for Engineering Education 2008 Annual Conference*, June 22 - 25, 2008, Pittsburgh, PA.

Krupczak, J.J., D. Ollis, "Technology Courses for Undergraduates: Developing Standard Models," *Proceedings of the American Society for Engineering Education 2008 Annual Conference*, June 22 - 25, 2008, Pittsburgh, PA.

Krupczak, J.J., David Ollis , W. Bernard Carlson, J. Douglass Klein , Kathryn Neeley , W. Grant Norton , Barbara Oakley, Russell Pimmel, Greg Pearson, and James F. Young, "The Technological Literacy of Undergraduates: Developing Standard Models," *Proceedings of the 37th ASEE/IEEE Frontiers in Education Conference*, October 10 – 13, 2007, Milwaukee, WI.

- Krupczak, J.J., "Using Insights from Non-engineers to Improve Introduction to Engineering via Functional Analysis," *Proceedings of the American Society for Engineering Education 2007 Annual Conference*, June 23-26, 2007, Honolulu, HI.
- Krupczak, J.J., D. Ollis, "Technological Literacy and Engineering for Non-Engineers: Lessons from Successful Courses," *Proceedings of the American Society for Engineering Education 2006 Annual Conference*, June 18-21, 2006, Chicago, IL.
- Pearson, G., J.J. Krupczak, D. Ollis, "Assessing Technological Literacy in the United States," *Proceedings of the American Society for Engineering Education 2006 Annual Conference*, June 18-21, 2006, Chicago, IL.
- Krupczak, J.J., J. Heisler, T. Ludwig, R. Nemeth, J. Piers, and N. Sobania, "Recommendations for USA Faculty Members Teaching Liberal Education Courses in Japan," *Proceedings of the American Society for Engineering Education 2006 Annual Conference*, June 18-21, 2006, Chicago, IL.
- Ollis, D., and J.J. Krupczak, "Teaching Technology Literacy: An Opportunity for Design Faculty," *Proceedings of the American Society for Engineering Education 2006 Annual Conference*, June 18-21, 2006, Chicago, IL.
- Sidi-Yekhlef, A., Stohlman, O, J.J. Krupczak, "Analysis and Design of Helium Gas Warm Up for a 2K RF Cavity Cryomodule," Brookhaven National Laboratory Technical Note, November 11, 2005, (A/AP/224 11/05).
- Krupczak, J.J., D. Ollis, R. Pimmel, R. Seals, G. Pearson, and N. Fortenberry, "The Technological Literacy of Undergraduates: Identifying the Research Issues," *Proceedings of the 35th ASEE/IEEE Frontiers in Education Conference*, October 19 – 22, 2005, Indianapolis, IN.
- Krupczak, J.J., S. VanderStoep, L. Wessman, N. Makowski, C. Otto, K. Van Dyk, "Case Study of a Technological Literacy and Non-majors Engineering Course," *Proceeding of the 35th ASEE/IEEE Frontiers in Education Conference*, October 19 – 22, 2005, Indianapolis, IN.
- Ollis, D., and J.J. Krupczak, "Teaching Technology Literacy: An Opportunity for Design Faculty," *International Journal of Engineering Education*, vol. 22, no. 3 (2006) 665-670.
- Krupczak, J.J., "Reaching Out Across Campus: Engineers as Champions of Technological Literacy," *Liberal Education in 21st Century Engineering*, Worcester Polytechnic Institute Series on Studies in Science, Technology, and Culture, H. Luegengbil, K. Neeley, and D. Ollis, editors, Peter Lang Publishers, New York, (2004).
- Krupczak, J.J., Joseph Kaloust, Michael Misovich, Roger Veldman, Paul DeYoung, Peter Gonthier, Catherine Mader, and Mark Little, "Results from Replacing General Physics with Introduction to Engineering in the First Year," *Proceedings of the American Society for Engineering Education 2004 Annual Conference*, June 20-23, 2004, Salt Lake City, UT.
- Krupczak, J.J., Christy Heid, Miguel Abrahantes, Tim Benson, Daniel Rodak, Jonathan Spaulding, "A Simple Loudspeaker Which Students Can Build and Take Home," *MSTA Journal, Michigan Science Teachers Association*, Fall (2004).
- Krupczak, J. J., Nathaniel Makowski, LaToya Austin, Stephanie Ross, and Matthew Stolz. Electromagnetism Design Project for Middle School Students, *Proceedings of the American Society for Engineering Education North Central Section Spring Conference* (2004).
- Krupczak, J.J., and G. Suzuki, I. Takahashi, K. Takayama, A. Ming, T. Miyazaki H. Takashima, "Similarities Between Current Engineering Education Problems in the United States and Japan," *Proceedings of the American Society for Engineering Education North Central Section Spring Conference* (2004).

A.Sherstov and J.J. Krupczak, "A Demonstration of CPU Organization Using a Simple Apparatus and Sixteen People," *Proceedings of the American Society for Engineering Education 2003 Annual Conference*, June 22-25, 2003, Nashville, TN.

Pinkerton LR., J.J. Krupczak et al., "An Apparatus to Measure Force in a Simple Truss System," *Proceedings of the 32nd ASEE/IEEE Frontiers in Education Conference*, November 7-9, 2002, Boston, MA.

Krupczak, J.J., Nathaniel Bair, Timothy Benson, Paul Berke, Dale Corlew, Kristen Lantz, Daniel Lappenga, Matthew Scholtens, and David Woessner, "Hands-on Laboratory Projects for Non-Science Majors: Learning Principles of Physics in the Context of Everyday Technology," *Proceedings of the American Society for Engineering Education 2000 Annual Conference*. June 18 - 21, 2000 Saint Louis, MO.

Krupczak, J.J., and D.T. Thelen, "Use of Personal Computer Workstations and Windows NT to Facilitate use of CAD and CAE in the Undergraduate Engineering Curriculum," *Proceedings of the American Society for Engineering Education North Central Section Annual Conference (2000)*.

Krupczak, J.J. and C. Green "The Perspective of Non-Engineers on Technological Literacy," *Proceedings of the American Society for Engineering Education 1999 Annual Conference*, June 20 - 23, 1999, Charlotte, NC.

Krupczak, J.J., B. Mulder, and J.D. vanPutten, "Multidisciplinary Student Experiences in a Liberal Arts Engineering Program," *Proceedings of the American Society for Engineering Education 1997 Annual Conference*. June 15-18, 1997, Milwaukee, WI.

Krupczak, J.J. "Demystifying Technology," American Society for Engineering Education *PRISM*, October (1997) 30-34.

Krupczak, J.J. "Science and Technology of Everyday Life: A course on technology for liberal arts students," *Proceedings of the American Society for Engineering Education 1996 Annual Conference*. June 23-26, 1996, Washington, D.C.

Krupczak, J. J., D.R. McAllaster, S.B. Crampton, A.L. Cole, and A.J. Kerman, "A Cryogenic Hydrogen Maser Operating at 10 K." *Advances in Cryogenic Engineering* 40 (1995) 286.

Krupczak, J.J., B. Dao, and A. Sidi-Yekhlef, "Thermal Program Cools Off Hot Problems," *Machine Design*, July 11, (1994) 86-88.

Deis G., R. Warren, D. Richied, N. Martovetsky, J.J. Krupczak, A. Sidi-Yekhlef, J. Pace, and C. Collins, "A Liquid Helium Cryogenic System Design for the GEM Magnet," *Advances in Cryogenic Engineering*. 39 (1994) 389.

McAllaster, D.R., J.J. Krupczak, A.L. Cole, A. J. Kerman, and S.B. Crampton, "Cryogenic Hydrogen Maser at 10 Kelvin," *Proceedings of the 1994 IEEE International Frequency Control Symposium*, (1994).

Krupczak, J. J., "Thermal Fluid Analysis of Liquid Krypton Natural Convection in the Inner Wall Region of the GEM Barrel EM Calorimeter," Superconducting Super Collider Laboratory Doc: GEM TN-94-597 (1994).

Krupczak, J. J., "Evaluation of Asymmetric Cooling of the Inner Wall Region of the GEM Barrel EM Calorimeter," Superconducting Super Collider Laboratory Doc: GEM TN-94-601 (1994).

Krupczak, J. J., "Natural Convection of Liquid Krypton in a 10 Degree Segment of the Annular Space Between Two Horizontal Cylinders," Superconducting Super Collider Laboratory Doc: GEM TN-94-590 (1994).

Krupczak, J. J., "An Evaluation of the FLUENT RNG Turbulence Model for the Case of Natural Convection in a Horizontal Annulus," Superconducting Super Collider Laboratory Doc: GEM TN-94-589 (1994).

Deis, G., J. Bowers, J.J. Krupczak, et al., "Overview of the Superconducting Magnet Subsystem for the GEM Detector at the SCC, *Fifth International Symposium on the Super Collider*, May 6-8, 1993 San Francisco, CA. (1993).

Deis, G., J. Bowers, J.J. Krupczak, et al., "The Superconducting Solenoid Magnet System for the GEM Detector at the SCC, *Thirteenth Magnet Technology Conference*, September 20-24, 1993, Victoria, British Columbia. (1993).

Krupczak, J. J., R. Fox, K. Hawkes, H. Hazlett, D. Richied, C. Shipp, A. Sidi-Yekhlef, K. Stringfellow, Li-Juan Wei, M. Wilson, "Initial Design of the Cryogenics System for the GEM Calorimeter Module Test," Superconducting Super Collider Laboratory Doc: GEM TN-93-531. (1993).

Shi D., J.J. Krupczak, M. Tang, N. Chen, and R. Bhadra, "Oxygen Diffusion and Phase Transformation in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$," *J. Appl. Phys.* 66, 4325 (1989).

Sidi-Yekhlef A, J.J. Krupczak, and J.E. Sunderland, "Distribution of a Static Charge in a Free Turbulent Jet," *J. Electrostatics* 22, 119 (1989).

Krupczak, J.J., P. Skillman, A. Brancic, and J.E. Sunderland, "Seasonal Storage of Solar Energy Using Insulated Earth," *Proceedings of the International Solar Energy Society*, INTERSOL 85 (1985) 806.

Seymour, R. J., J. J. Krupczak, and G. I. Stegeman, "High Efficiency Coupling to the Overcoated Surface Plasmon Mode in the Far Infra-Red," *Appl. Phys. Lett.*, 44, 373 (1984).

Crampton, S.B., J. J. Krupczak, and S. P. Souza, "Temperature Dependence of Hydrogen Atom Adsorption on Molecular-Hydrogen Surfaces," *Phys. Rev. B*, 27, 4383 (1982).

Crampton, S.B., J. J. Krupczak, and S. P. Souza, "Progress of the State-Selected Beam Low Temperature Hydrogen Maser," *Journal de Physique, Colloque C8*. 181 (1981).

THESIS and DISSERTATION

Doctoral Dissertation: "Design and Construction of a Cryogenic Hydrogen Maser," Department of Mechanical Engineering, University of Massachusetts, Amherst, Massachusetts, February 1994.

Master of Science Thesis: "An Experiment in Earth Seasonal Solar Energy Storage," Department of Mechanical Engineering, University of Massachusetts, Amherst, Massachusetts, September 1986.

GRANTS RECIEVED

National Science Foundation, CCLI DUE – 0920164, (8/09 – 7/10)
"Expanding Technological Literacy through Engineering Minors,"
Mani Mina, J. Krupczak, R. Gustafson, and J. Young, \$249,999.

National Science Foundation, CCLI DUE – 0736615, (3/08 – 5/10)
"Collaborative Research: EFFECTIVE: Exploring a Framework for Evaluating Courses on Technology In Various Environments,"
J. Krupczak and T. Simpson, \$92,474.

National Science Foundation, CCLI DUE – 0714137, (1/07 – 12/08)
"Technological Literacy of Undergraduates: Developing Standard Models,"
J. Krupczak and D. Ollis, \$49,937.

National Science Foundation, CCLI DUE – 0633277, (5/07 – 5/09)
“Improving Introduction to Engineering by Combining Insights from Non-engineers with Portable Equipment.”
J. Krupczak and K. Disney, \$192,314.

National Collegiate Inventors and Innovators Alliance (NCIIA) and Kern Family Foundation, #2979-05
“Innovation and Entrepreneurship at Hope College,” (12/05 – 2/06)
J. Krupczak, Roger Veldman, and Steve VanderVeen, \$5000.

National Science Foundation, CCLI DUE – 0444677, (7/04 – 10/06)
“Technology Literacy Workshop,”
David Ollis, and J. Krupczak, \$49,988.

National Science Foundation, EEC – 0341998, (8/03 – 10/06)
“A Case Study of an Established Technological Literacy Course,”
J. Krupczak, Leslie Wessman and Scott Vanderstoep, \$74,884.

Pfizer Global Research and Development, (2002-2003).
“Strategic Alliance Funding for Hope College Engineering Program,”
Roger Veldman and J. Krupczak, \$100,000.

National Science Foundation, REU – 0097578, (1/01 – 1/05)
“Research Experience for Undergraduates in Physics and Engineering at Hope College,”
J. Krupczak, and P. Jolivette, \$141,125.

National Science Foundation, CCD – 9752693, (5/98 – 12/99)
“Hands-on Laboratory Projects for Non-Engineers.”
J. Krupczak, \$68,210.

National Science Foundation ILLI. - 9751210, (7/97-7/99)
“Enhancing Student Design Experiences by Integrating Computer-aided Engineering into the Curriculum.”
Darryl Thelen, and J. Krupczak, \$65,351.

COURSES DEVELOPED AND TAUGHT (at Hope College)

ENGS 100 Introduction to Engineering. Spring 2003 – 2009, Fall 2009, 2010
A lecture and laboratory course emphasizing engineering fundamentals and design.

ENGS 451 Engineering Design. Fall 2000-2003, 2005-2009
Each student proposes a problem then carries out the design process including a working prototype.
(<http://www.hope.edu/academic/engineering/engs451/index.html>)

GEMS 151 Science and Technology of Every day Life Spring, Fall, May Term
2000-2010 (excluding Fall 2004, 2010)
This is a hands-on course for non-engineers on the principles underlying modern technology.
(<http://www.hope.edu/academic/engineering/labs/index.htm>)

IDS 100 First Year Seminar Fall 2002, Fall 2004
A course on creativity entitled: Three creative geniuses: Leonardo daVinci, Thomas Edison, and you.

GEMS 212 Fundamental Inventions Spring 2000
This is a half-semester course on the major technologies of the 20th century.

OTHER COURSES TAUGHT

Fluid Mechanics, Thermodynamics, Heat Transfer, General Physics Laboratory

SIGNIFICANT PROFESSIONAL ACTIVITIES (Since 2000)

Engineering Education

Organizing Committee Member

2010 Symposium on Engineering and Liberal Education, Union College, June 3-4, 2011.

Engineering and Liberal Education. Panel: Klein, J. Douglass, Cherrice Traver, John Krupczak, Ian Baker, Jennifer Stroud Rossman, and Andrew Guswa. American Association of Colleges and Universities Annual Conference, Washington, DC. (2010).

Invited Participant, National Academy of Engineering, Engineering and the Media Working Group, October 9, 2007.

“The Technological Literacy of Undergraduates: Developing Standard Models,” Co-organizer (with D. Ollis), Sponsored by the National Science Foundation and held at the National Academy of Engineering, Washington D.C., March 26-27, 2007.

“The Technological Literacy of Undergraduates: Identifying the Research Issues,” Co-organizer (with D. Ollis), Sponsored by the National Science Foundation and held at the National Academy of Engineering, Washington D.C., April 18-19, 2005.

"Engineer of 2020," National Engineering Education Summit held at the National Academy of Engineering in Washington D.C., July 22-23 (2004) PKAL Writing Team Member.

American Society for Engineering Education

Technological Literacy Division, Chair (2009-2011).

Technological Literacy Constituent Committee,
Founding Chair (2005-2007), Program Chair (2007 – 2009).

Liberal Education Division, Chair (2006), Program Chair (2004).

Organized sessions on Technological Literacy at the American Society for Engineering Education Annual Conferences 2002-2005.

National Science Foundation Review Panel Member

STEM Talent Expansion Program (STEP), Type 1, November 15-1, 2010.

Transforming Undergraduate Education..., (TUES), Type 1, July 28-30, 2010.

STEM Talent Expansion Program (STEP), Type 1, November 16-17, 2009.

Course Curriculum and Laboratory Improvement Program, Type 1, July 13-14, 2009.

Course Curriculum and Laboratory Improvement Program, Phase 1, July 10-11, 2008.

Course Curriculum and Laboratory Improvement Program, Phase 2&3, March 17-18, 2008.

Scholarships in Science, Technology, Engineering, and Math (S-STEM), Jan 25-28, 2008.

Course Curriculum and Laboratory Improvement Program, Phase 2&3, March 12-13, 2007.
 Course Curriculum and Laboratory Improvement Program, July 27-29, 2005.
 Course Curriculum and Laboratory Improvement Program, Jan 31-Feb 1, 2005.
 Research Experience for Undergraduates Program, November 6-8, 2002.
 Research Experience for Undergraduates Program, November 7-9, 2001.

Journal and Book Reviews

IEEE Journal of Technology and Society
 Society of Industrial and Applied Mathematics Journal
 American Society for Engineering Education Annual Conference Proceedings
 Frontiers in Education Conference Proceedings
 World Book Encyclopedia
 Book reviewer for: McGraw-Hill, Prentice-Hall, John Wiley & Sons, Oxford Press.

K-12 Educational Outreach

GRAPCEP (Grand Rapids Area Pre-College Engineering Program) prepared and conducted various enrichment activities for the GRAPCEP student population (68% minority, 67% low income). (2001-present).

Krupczak, J.J and D. Ollis, “Hands-on Activities for Technological Literacy,” Workshop held at the American Society for Engineering Education Annual Conference (2006).

Corpus Christi School, Holland, Michigan, Advisor to Lego Robotics Team, 2006-2008.

Krupczak, J.J, “Science and Technology,” Chapter written for Holt, Rinehart, and Winston, 7th Grade Science Textbook., (2006).

Krupczak, J.J, “Science, Technology, and Society” Chapter written for Holt, Rinehart, and Winston, 8th Grade Science Textbook., (2006).

Instructional Staff Member: 16th Annual High School Physics Teachers Summer Institute, Bates College, Lewiston, Maine, July 27-Aug 2, 2003.

Hope College Summer Science Camps for K-8 Students, Camps Organized and Conducted:
 “Extreme Engineering I and Even More Extreme Engineering II” Camp: 2003.
 “How Things Work” Camp: 2001, 2002

“Building a simple electrodynamic loudspeaker,” in-service workshop conducted for Grand Rapids area science teachers at Davenport University, February 2002.

PROFESSIONAL MEMBERSHIPS

Member: American Society for Engineering Education
 Member: Society of Automotive Engineers

CAMPUS COMMITTEE AND ADMINISTRATIVE WORK (at Hope College since 2000)

Dates	Role	Committee/Activity
2009-present	Coordinator	General Education Mathematics and Science
2007-2008	Chair	Committee on Admissions and Financial Aid

2007-2008	Member	Administrative Affairs Board
2007-present	Advisor	Hope College Student Formula SAE Club
2006-present	Chair	Hope College Department of Engineering (coincides with establishing a separate Engineering Department)
2005-present	Advisor	National Society of Black Engineers – Hope College Student Chapter
2005-2007	Member	Search Committee: Vice President for Admissions
2005-2006 2000-2004	Director	Hope College Engineering Program
2002-2003	Member	Professional Interests Committee
2001-2004	Coordinator	Physics & Engineering Summer Research Program
2005-2007 2001-2003	Mentor	Faculty Mentor Program
2001, 2003	Member	Critical Issues Symposium Committee
2000–present	Advisor	Hope College Engineering Club
2000 – 2001	Member	Teaching Enhancement Workshop Staff
1999 – 2000	Secretary	Academic Affairs Board
1998 – 2000	Member	Academic Affairs Board

COMMUNITY SERVICE

2005-2009 Member, Board of Trustees, Black River Public School.