References:

ABET (2003). (2004-2005). Criteria for Accrediting Engineering Programs, Accreditation Board for Engineering and Technology.

Anderson, V., and L. Johnson. (1997). Systems Thinking Basics; From Concepts to Causal Loops. Pegasus Workshop Series.

Beichner, R. J., J. M. Saul, et al. (2000). <u>Introduction to SCALE UP: Student-Centered Activities for Large Enrollment University Physics</u>. American Society for Engineering Education Annual Meeting, St. Louis, MO.

Bransford, J. D., Brown, A. L., & Cocking, R., (Eds). (1999). How People Learn: Brain, Mind, Experience, and School. National Academy Press. Washington, DC.

Breslow, L. (1998). Teaching teamwork skills. MIT Faculty Newsletter. Boston.

Broman, G. I., S. H. Byggeth, et al. (2002). "Integrating Environmental Aspects in Engineering Education." International Journal of Engineering Education 18(6): 717-723.

Capra, F. (1996). The Web of Life. Random House, New York.

Churchman, C.W. (1968). The Systems Approach, Dell Press, New York, NY.

Dewoolkar, M. M., Goddery, T., and Znidarcic, D. (2003), "Centrifuge modeling for undergraduate geotechnical engineering instruction", ASTM Geotechnical Testing Journal, Vol. 26, No. 2, p. 201-209

Everett, J., M. Cinaglia, et al. (2003). <u>Garden City-A Virtual City for Undergraduates</u>. World Water and Environmental Resources Congress 2003 and Related Symposia, Philadelphia, PA, Environmental and Water Resources Institute of the American Society of Civil Engineers.

Frank, M. (2002). "Characteristics of engineering system thinking-a 3-d approach for curriculum content." <u>IEE Transactions on Systems, Man and Cybernetics - Part C: Applications and Review</u> **32**: 203-214.

Furco, A. (1996). Service Learning: A Balanced Approach to Experiential Learning. Expanding Boundaries: Serving and Learning. Corporation for National Service.

Gordon, M., D. Schrage, et al. (1996). <u>Early Design: Lessons and Strategies from SUCCEED</u>. American Society of Engineering Education Annual Conference and Exposition, Washington, D.C.

Hoit, M. and M. W. Ohland (1998). "The impact of a discipline-based introduction to engineering course on improving retention." <u>Journal of Engineering Education</u> **87**: 79-85.

Howard, J. (1993). Praxis I: A faculty casebook on community service learning. Office of Community Service Learning Press. Michigan.

Huber, L. (2000). Learning through Research. Keynote address at the 25th International Conference on the University of the Future and the Future of Universities, Frankfurt, Germany.

Jackson, S. A. (2002). Innovative interaction education prepares students to change the world. Rensselaer Magazine.

Khisty, C.J. and Mohammadi, J. (2001). *Fundamentals of Systems Engineering*. Prentice Hall, Upper Saddle River, New Jersey.

Kolar, R. L., K. K. Muraleetharan, et al. (2000). "Sooner City-Design Across the Curriculum." <u>Journal of Engineering Education</u> **89**(1): 79-87.

Moss, B. and S. Melsheimer (1999). <u>Pilot Laptop Program, College of Engineering and Science, Clemson University</u>. ASEE Southeastern Section Conference, Clemson, SC.

National Research Council. (1996). The National Science Education Standards. National Academy Press, Washington, DC.

National Research Council. (2000). How People Learn; Brain, Mind, Experience, and School. National Academy Press.

National Science Board. (2000). Environmental Science and Engineering for the 21st Century: The Role of the National Science Foundation. NSB 00-22, NSF, Washington, DC.

NSF (1996). Shaping the Future: New Expectations for Undergraduate Education in Science, Mathematics, Engineering and Technology, Division of Undergraduate Education.

O'Connor, J and I. Mcdermott, *The Art of Systems Thinking*. San Francisco, CA: Thorsons, 1997.

Ohland, M. W. and R. E. Collins (2002). <u>Creating a catalog and meta-analysis of freshman programs for engineering students: Part 2: learning communities.</u> American Society for Engineering Education Annual Conference and Exposition, Montreal, Quebec CA, American Society for Engineering Education.

Olson, S. and S. Loucks-Horsley (Ed.). (2000). Inquiry and the National Science Education Standards: A Guide for Teaching and Learning. National Academy Press. Washington, DC.

Porter, R. L. and H. Fuller (1997). <u>A New "Contact-Based" First Year Engineering Course</u>. Frontiers in Education Conference, Pittsburgh, PA.

Quinn, R. G. (1993). "Drexel's E4 Program: A Different Professional Experience for Engineering Students and Faculty." <u>Journal of Engineering Education</u> **82**(4): 196-202.

Senge, P.M. *The Fifth Discipline: The Art and Practice of the Learning Organization*. New York: Doubleday, 1994.

Smith, M. J. and N. Komerath (2000). <u>Learning more from class time: technology enhancement in the classroom</u>. American Society of Engineering Education Annual Conference and Exposition, St. Louis, MO.

Stott, N. W., W. W. Schultz, et al. (2000). <u>ProCEED: A Program for Civic Engagement in Engineering Design</u>. American Society of Engineering Education Annual Conference and Exposition, St. Louis, MO, ASEE.

Tsang, E. (2000). Introduction. <u>Service-Learning in the Disciplines: Engineering</u>. *Projects that Matter*. E. Tsang and E. Zlotkowski. Washington, D.C., American Association for Higher Education.

Tsang, E. (2000). Service-Learning as a Pedagogy for Engineering: Concerns and Challenges. Service-Learning in the Disciplines: Engineering. *Projects that Matter*, E. Tsang and E. Zlotkowski. Washington, D.C., American Association for Higher Education.

USEPA (2002). Municipal Solid Waste in the United States: 2000 Facts and Figures. Prarie Village, KS, Office of Solid Waste and Emergency Response.

Zitomer, D. H. and P. Johnson (2003). <u>International Service Learning in Environmental Engineering</u>. World Water and Environmental Resources Congress 2003 and Related Symposia, Philadelphia, PA, Environmental and Water Resources Institute of the American Society of Civil Engineers.