

2009 Engineering Technology Education Bibliography

Compiled by

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Introduction

The 2009 bibliography lists books, articles, and proceedings papers related to engineering technology education under the following headings: administration, aerospace/aviation, architectural, assessment, biomedical/biotechnology, civil, computers, curriculum, distance education, diversity, electrical/electronics, faculty development, industrial, industry/government/employers, information technology instructional technology, international, laboratories, liberal studies, manufacturing, mechanical, teaching methodology, tech prep/STEM, technical communication, and technical graphics. Five categories—instructional technology, liberal studies, teaching methodology, technical communication, and technical graphics—include listings reflecting general technical education concerns.

Entries are listed according to area of primary emphasis, and items that apply to two or more academic disciplines are entered under the area of major interest. For example, ECET-related items are included under “Electrical/Electronic”; mechatronics papers are listed under “Mechanical.” We apologize for any entries that may have been missed or inadvertently placed in the wrong category.

Contributors

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Abbreviations

ACP

ASEE 2009 Annual Conference Proceedings, June 14-17, 2009, Austin, Texas. Proceedings are available on CD or at <http://www.asee.org/conferences>.

ASME Proceedings of the 2009 ASME International Mechanical Engineering Congress & Exposition, November 13-19, 2009, Lake Buena Vista, Florida. Proceedings are available at <http://www.asmeconferences.org/Congress09/TechnicalProgramOverview.cfm>.

CIEC Proceedings of the 2009 Conference for Industry and Education Collaboration, February 4-6, 2009, Orlando, Florida. Proceedings are available on CD.

EDGD Proceedings of the 64th Mid-Year Conference, October 14-16, 2009, Erie, Pennsylvania. Proceedings are available at <http://edgd.asee.org/conferences/proceedings/2009Proceedings.pdf>.

FIE Proceedings of the 2009 Frontiers in Education Conference, October 18-21, 2009, San Antonio, Texas. Proceedings are available on CD or at <http://www.fie-conference.org/fie2009/index.htm>. WIP denotes a “work in progress,” a short summary of ongoing research.

GCEE Proceedings of the 2009 ASEE Global Colloquium on Engineering Education, October 12-15, 2009, Budapest, Hungary. Proceedings are available on CD.

GSW *Proceedings of the ASEE 2009 Gulf-Southwest Section Conference*, March 18-20, 2009, Waco, Texas. Proceedings are available on CD.

INEER *Proceedings of the 2009 International Conference on Engineering Education*, August 23-28, 2009, Seoul, Korea. Proceedings are available at <http://www.ineer.org/Events/ICEEiCEER2009/index.html>.

IL/IN *Proceedings of the ASEE 2009 Illinois-Indiana Section Conference*, March 27-28, 2009, Valparaiso, Indiana. Proceedings are available at <http://ilin.asee.org/Conference2009>.

MW *Proceedings of the 2009 Midwest Section Conference*, September 16-18, 2009, Lincoln, Nebraska. Proceedings are available at <http://www.asee.org/papers-and-publications/papers/section-proceedings/midwest/2009>.

NC *Proceedings of the ASEE 2009 North Central Section Conference*, April 3-4, 2009, Allendale, Michigan. Proceedings are available at <http://claymore.engineer.gvsu.edu/ocs/index.php/aseencs2009/aseencs2009/schedConf/presentations>.

NE *Proceedings of the ASEE 2009 Northeast Section Conference*, April 3-4, 2009, Bridgeport, Connecticut. Proceedings are available at <http://www.asee2009.org/>.

NMW *Proceedings of the ASEE 2009 North Midwest Section Conference*, October 8-10, 2009, Milwaukee, Wisconsin. Proceedings are available at <http://www.eng.mu.edu/asee/Proceedings.html>.

PSW *Proceedings of the ASEE 2009 Pacific Southwest Section Conference*, March 19-20, 2009, San Diego, California. Proceedings are available at http://www.asethome.org/asee/ASEE_PSW_2009_Proceedings.pdf.

SEE *Proceedings of the ASEE 2009 Southeastern Section Conference*, April 5-7, 200, Marietta, Georgia. Proceedings are available on CD or at <http://155.225.14.146/asee-se/proceedings/ASEE2009/DetailedPresentation%20Schedule.htm>.

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Clark, W. Andrew, and Craig A. Turner. "Market Simulation Programming as a Culminating Experience for Students Interested in Entrepreneurship and Pursuing an M.S. in Engineering Technology." *ACP*.

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Acknowledgments

The annual bibliography is a special project of ASEE's Engineering Technology Council. Our thanks to the many engineering technology professionals who took time from their busy schedules to contribute their publication listings.

Biography

Marilyn Dyrud is a full professor in the Communication Department at Oregon Institute of Technology and regularly teaches classes in business and technical writing, rhetoric, and ethics; she is also part of the faculty team for the Civil Engineering Department's integrated senior project.

She is active in ASEE as a regular presenter, moderator, and paper reviewer: she has served as her campus' representative for 17 years, as chair of the Pacific Northwest Section, and as section newsletter editor. She was named an ASEE Fellow in 2008 and has compiled the bibliography for more than 20 years. Currently, she serves on two division boards: Engineering Technology and Engineering Ethics. In 2010, she received the McGraw Award.

In addition to ASEE, Marilyn is active in the Association for Practical and Professional Ethics and the Association for Business Communication, serving on the editorial boards of two journals, editing a teaching column for ABC's pedagogical journal, and serving as vice-president of the western region.