

THE ENGINEERING DESIGN GRAPHICS
Journal

[From the Editor]

Winter 2004

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The Engineering Design Graphics Journal is the official publication of the Engineering Design Graphics Division of ASEE. The scope of the Journal is devoted to the advancement of engineering design graphics, computer graphics, and subjects related to engineering design graphics in an effort to 1) encourage research, development, and refinement of theory and applications of engineering design graphics for understanding and practice, 2) encourage teachers of engineering design graphics to experiment with and test appropriate teaching techniques and topics to further improve the quality and modernization of instruction and courses, and 3) stimulate the preparation of articles and papers on topics of interest to the membership. Acceptance of submitted papers will depend upon the results of a review process and upon the judgement of the editors as to the importance of the papers to the membership. Papers must be written in a style appropriate for archival purposes.

Cover graphics from Sun, Gramoll paper.

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Dear Members:

Our current issue contains three articles that represent the breadth of the work being done by its membership. Through a real-life, industrial application, Morales shows how geometry, mathematics, and design all come together in a project. Just as important, it also points out the necessary skills our students need once they graduate from school. Sun and Gramoll's article demonstrates how structural analysis of trusses can be simulated over the Internet through a Web interface. This application allows engineering design activities to occur in classrooms that do not have the resources for stand-alone tools with this type of functionality. Barr, Krueger, and colleagues continue their work on defining a modern engineering design graphics curriculum. This paper demonstrates both the value of graphics in engineering education and the importance of quality assessment techniques. Finally, the Oppenheimer award winner, Dennis Lieu, provides a written version of what was an outstanding presentation at the Division's Mid-year meeting. His paper provides a counterpoint to Morales' article in demonstrating how animation can be used in more traditional mechanical engineering applications.

Congratulations goes out to one of our own, Ron Barr, who was recently elected President-elect of ASEE. The Engineering Design Graphics Division has a long history of being active in ASEE and providing leadership at the regional and national levels.

Finally, I'd like to encourage all of the membership to consider submitting articles to the Journal. The quality of the Journal is only as good as the articles submitted to it. If you don't have a manuscript right now, maybe you have a colleague who would be interested in submitting (we welcome non-members, too!). Whatever you can do to encourage submissions would be of benefit to the entire Division.

