

2007 Call for Papers

1st Prize \$1500

2nd Prize \$1000

3rd Prize \$500

The College of Engineering announces the 2007 Braden Engineering-Communication Contest. Sponsored by the Robert S. Braden Endowment, the contest is open to all undergraduates in the UT College of Engineering. The Endowment was created to honor Bob Braden, a graduate of UT Civil Engineering and an avid writer. Papers are evaluated by a panel of student and faculty judges who award prizes to three papers. Interested students should submit a paper on the following topic and observe the guidelines given. The audience is engineering students and faculty from all engineering fields. *Attach the application form found on the website. Previous Braden winners are not eligible.*



The Role of Engineers in Maintaining Security

We invite you to share your insights into the role that engineers and engineering should play in developing, promoting, and maintaining solutions to security issues in international and intra-national business, travel, telecommunications, military operations, or natural resources. You may take your investigation and sources-based discussion in any of several directions. For instance, you might want to explore the engineering trade-offs or the ethical aspects (including intrusiveness) of solutions that you suggest. Or you might want to investigate the use of engineering to reduce the costs or intrusiveness of existing or proposed security solutions. You can look at any kind of security: physical (safety), informational, political, etc. See the example below for one of many possible topics for your paper.

One example of a security related topic: RFID (radio-frequency identification) tags, commonly used for store security and warehouse inventory location and control, are everywhere. Now there is discussion of putting them in passports, credit cards, health insurance cards, and even in the human body. These tags would make much more accessible an individual's personal information, including health history. It is easy to protect something of little value but more costly to protect things of great value. What is the engineer's role in the application of this technology?

Be sure to support your ideas by drawing examples and counterexamples from credible sources of information as well as possible professional experience of your own.

- Length: 1500 words maximum
- Format: Double spaced, 1-inch margins, 12-point font
- Citations: APA (http://owl.english.purdue.edu/handouts/research/r_apa.html)
- Submissions: ECJ 10.310 (hardcopy only)
- Deadline: Wednesday, January 31, 2007, 4:00 p.m. (no extensions)



<http://www.engr.utexas.edu/braden/index.html>

Braden Engineering-Communication Contest Application Form

Please print this form, fill it out, and hand in with your essay to ECJ 10.310.

Do NOT put your name on the pages of your paper but do include on all pages a running head with a version of your title.

Previous winners of any Braden Engineering-communication Contest (1st, 2nd, or 3rd place) are *not* eligible.

Name

Date

Major

**UT Classification
(Junior, Senior, etc.)**

Contact information

Phone:

E-mail:

Title of Paper

If I am chosen as one of the three winners of this writing contest, I agree to present my paper at a public ceremony to students and faculty of the College of Engineering. This presentation will be professional in style. I also agree to allow my paper to be posted on the Braden website as an example for future applicants to the Braden contest.

Signed _____