

2012 Annual EEIC Poster Contest Announcement

The annual EEIC Poster Contest will be held on **Thursday, April 5, 2012** in the Atrium of the Paul Allen Center (CSE building) from 4:00 pm to 6:30 pm. Please have your poster set up before 4:00 pm. All interested students are encouraged to submit a poster on an energy-related topic for this competition.

The **objectives** of this event are:

- to provide our engineering students with an opportunity to present the results of their research and class projects on a power or energy topic;
- to expose industry representatives to student work at the University of Washington;
- to give our students and their prospective employers a chance to meet each other in a setting other than an interview or a career fair;
- to attract talented students to our power engineering program;
- to have a festive event dedicated to the area of energy and power engineering.

You can win prizes!

Posters are competing in three entry categories:

1. Graduate Research (at least one graduate student among the co-authors),
2. Undergraduate research (all co-authors are undergraduate students),
3. Class (all co-authors are preparing the poster as part of their coursework in the 2011-2012 academic year).

Awards in **each** category (per poster):

1st place: \$250

2nd place: \$150

3rd place: \$100

In addition, the 1st place winners in the Graduate Research and Undergraduate Research categories will receive support for round-trip travel to the international poster contest at the IEEE PES General Meeting in San Diego, California, July 22-26, 2012.

Deadline:

Submit entries by 5:00 PM April 2, 2012. Send submissions to Professor Ortega-Vazquez at:

maov@ee.washington.edu

Include the following information in your submission:

- Poster Title
- Names of students in team
- Name and email address of corresponding author
- Category you are entering in

It is important that you submit the information on time, because we need it to prepare the scoring sheet for the judges. Entries not submitted by the deadline will be accepted “by appeal”.

Please bring your poster to the event location at least 30 minutes prior to the event. If you have a schedule conflict, ask your co-authors or lab partners to cover for you.

Please see the next section for poster requirements and instructions.

Posters

Why posters? The format of the poster session, where the audience examines the posters and talks with the presenters, is a common form of presentation at technical conferences. This also has several advantages over oral presentations:

1. You can discuss your project as long as your audience wishes, instead of trying to cram it into a short, fixed-time presentation.
2. You know that those around you are interested in what you have to say.
3. You get to discuss your project in an informal, interactive, “question and answer” mode, rather than the formal, unidirectional, “stand up in front of the audience and make a presentation” mode. The poster format is a much more comfortable way to discuss your work, even for people with good public speaking skills.
4. You can have neat graphics to go along with your discussion, rather than haphazard sketches turned out on the fly.
5. Your poster lives on after the discussion is over.

6. The process helps clarify your view of your work. Concentrating information about your research in order to put it on a poster helps you gain perspective on what you are doing, and the way you are trying to do it, which is useful in guiding subsequent work.

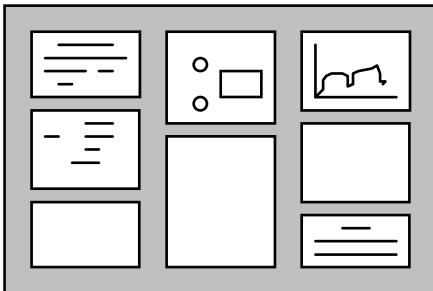
How to Make a Poster

Few of us are graphic artists. The following suggestions are put forth to help those who do not have a better idea, to jog the minds of those who do, and to achieve some degree of uniformity. Talk to students who have done this before.

Provided by UW: 40"x32" foam-core poster board.

Bring your poster to the event and use pushpins to attach it to the foam-core the EEIC provides. Easels will also be provided on the day of the competition. Materials will be available in room 215 EEB on the day of the event.

Layout: The long dimension of the poster will be horizontal. Each different "thought" should have one section of the poster. Each section should be separated from the other sections by at least one inch of open space.



Here's an example poster layout (on the left).

Font: Use a large font, at least 14 point, for the text. Use a **HUGE** font, 30 point, for the title.
Posters should be readable from a distance of 4 feet.

Title and Abstract: The upper left hand corner section should have the title, authors (include the e-mail address of the corresponding author), sponsors and abstract of your project. The abstract should explain what the problem is, why it is important, how it is being solved and what you accomplished, in a concise and precise fashion.

EE logo: Place the university logo on the upper right corner of your poster (<https://www.ee.washington.edu/operations/administration/index.html>, scroll down). Do not crop the logo, or change the aspect ratio! The logo should be of appropriate size.

Contents: The rest of the poster should enlarge and illustrate the points made in the abstract in an organized and logical order. Additional elements may include: Authors and Affiliation, Introduction/Problem Statement, Methods, Results, Conclusions, and Acknowledgements. Use drawings, block diagrams, graphs, flowcharts, photographs, formulas (not too many and only the significant results, no derivations!) and/or other useful data. Try to minimize blocks of text without graphics, but use long captions. This permits stand alone exhibition of your

poster. Think of your poster as a “storyboard” for your project, a series of scenes, each with an explanation.

One frequent mistake people make with CAD tools doing presentation graphics is to use skinny lines. Lines for boxes in flowcharts or block diagrams, and connections, need some thickness to them to be unequivocally visible to your audience. Hand drawn graphics are not adequate unless the drawer is a competent draftsman - in which case you are likely to want to use a computer based tool anyway.

Advice on where to print: Copy centers on campus, in Odegaard Library, the Communications basement, and in the Medical Center, are pretty good although they may require a day or two of lead-time. If you print your EEIC poster there, you can use an EEIC budget number (check with Prof. Christie or Ortega-Vazquez). If you print last-minute, say in Kinko’s, it is a lot more expensive and the EEIC will not pay for it.

Judging Criteria (10 points each item – 70 points total):

Quality of Research Design:

1. clarity in statement of the problem
2. sufficiency of background research
3. uniqueness of, or originality of, the suggested approach
4. degree to which the data support the conclusions

Presentation:

5. effective use of graphs and/or tables in presenting data
6. accuracy of spelling and grammar
7. handling of questions from the judges