

Call for Student Designers

Can you design a more efficient mobile device or application?

If so we want you to participate in the 2015 IEEE Mobile Power Design Contest.

We will have two mobile application competitions in the Fall of 2015. The first will be in the San Jose, CA area in September and will be associated with a workshop on the Safe Advanced Mobile Power Initiative (SAMP). The second is going to be in November in Ireland associated with our second SAMP workshop. The competitions will be open to higher-level undergraduates and graduate students.

There will be prizes for the top three winners of each design contest and recognition of the winners from the three contests at the 2016 IEEE ICCE Conference in Las Vegas in January 2016. The first, second and third prize in each design contest will be \$2,000, \$1,000 and \$500 respectively. Following are the rules for the contest.

- 1) The Safe Advanced Mobile Power student design contest will include the design of a mobile application with significantly improved power efficiency or the design of power saving or novel mobile device hardware.
- 2) There will be extra credit in the contest for designs that incorporate an improved energy source for the mobile device (such as advanced batteries, fuel cells, energy harvesting or directed power)
- 3) In all cases the design must be able to meet safety requirements common for mobile consumer applications (contestants should read the SAMP white paper for guidance on these requirements)
- 4) Participants can be single students or teams of students
- 5) The contestants will write a paper of not more than 10 pages on the design and be ready to demonstrate their design during the design competition
- 6) Judging will be done by a panel of experts on mobile technologies and mobile power
- 7) Winning student papers may be published in the Consumer Electronics Magazine or IEEE Transactions on Consumer Electronics if appropriate

The competing mobile applications and devices will be judged based on the efficient use of energy to perform the application with extra credit if the application makes use of improved energy sources. They will also be judged based upon clarity of the design paper and the application demonstration.

Students who wish to participate in the Mobile Power Design Contest must submit a participation form by August 31, 2015. All contestants will be responsible for their own travel to participate in the contest. The contest application form is given on the next page.

For more information on the Safe Advanced Mobile Power Initiative (SAMP), go to,

<http://cesoc.ieee.org/about/future-directions/safe-advanced-mobile-power.html>

IEEE Mobile Power Design Contest

Please submit this by August 31, 2015 to Tom Coughlin at tom@tomcoughlin.com

Name_____

School_____

School Location_____

Year in College_____

Email Address_____

Title of your design project_____

Description of your design project:

(1,000 word limit)

Which design contest(s) will you be entering?

San Jose, CA

Dublin, Ireland