



IAS Chapters and Membership Development Department

IAS Myron Zucker Undergraduate Student Design Contest 2020

Guidelines

Scope:

To recognize the accomplishments of three individuals or student teams and the students' associated engineering department. The design contest is aimed at undergraduate students enrolled in an academic engineering program, or equivalent who wish to submit their undergraduate engineering design project. The project needs to be within the scope of the IEEE Industry Applications Society (<http://ias.ieee.org/>)

Contest Categories:

Because of the wide variety of education systems in engineering, the IEEE IAS Myron Zucker Undergraduate Student Design Contest includes both individual and team submissions. Teams are limited to 3 members in the team category. Submissions from teams with more than 3 members will not be accepted. At least one student involved in the design project needs to be an IEEE IAS member

Eligibility:

The design project must fall within the scope of the IEEE Industry Applications Society. Most engineering senior level or undergraduate design projects of undergraduate and graduate students before MSc degree qualify. At least one student involved in the design project must be a member of the IEEE IAS, the design project must fall within the scope of IEEE Industry Applications Society and the students must have received academic credit for the project work.

The intention of the contest is to have the work carried out by students in some sort of academic environment. Normally this is proven by the fact that the students receive some type of "credit" or "grade" for their participation. However, if a member of the academic staff is willing to certify that the work was carried out by a student team in an academic (non-professional) environment, then that it is acceptable and within the intentions of the contest in general.

Basis for judging:

The Evaluation Committee will determine award selection based upon:

- i. the extent to which the solution of the design problem demonstrates the practical application of engineering fundamentals and engineering judgment
- ii. Quality of research and significance of the contributions demonstrated by the project
- iii. The quality of the written report
- iv. Significance of the work to the scope of the Industry Applications Society
- v. The extent to which an industrial entity, if any, provides appropriate guidance and access to an applications environment.

Cash Honoraria for winners

- 1st Prize: \$800 for students and IEEE IAS certificate
- 2nd Prize: \$600 for students and IEEE IAS certificate
- 3rd Prize: \$400 for students and IEEE IAS certificate

All cash honoraria will be divided equally among team members. In addition to the cash honorarium, the IAS will award each winner or one member from each winning team an Annual Meeting Travel Grant to attend and present their work at the IAS Annual Meeting 2020 in Detroit, Michigan, USA (<https://ias.ieee.org/2020annualmeeting.html>)

Submission:

1. All submissions to be made using the Myron Zucker Undergraduate Design Contest 2020 online form: [Zucker Submission Form 2020](#)
2. Upload the design report on the Zucker Submission Form. The report should be a minimum of 10 pages but should not exceed 25 pages in length (strictly enforced), in Microsoft Word or PDF (PDF is preferred).
3. Submission deadline is 15 March 2020.