

IAS STUDENT THESIS CONTEST 2020

Procedure Manual

Purpose

The IAS Chapters and Membership Development (CMD) Department is pleased to announce its 2020 Student Thesis Contest to recognize the best emerging academic work relating to the scope of the Industry Applications Society.

The scope of the Industry Applications Society is the *advancement of the theory and practice of electrical and electronic engineering* in the development, design, manufacture and application of electrical systems, apparatus, devices and controls to the processes and equipment of industry and commerce; the promotion of safe, reliable and economic installations; industry leadership in energy conservation and environmental, health, and safety issues; the creation of voluntary engineering standards and recommended practices; and the professional development of its membership.

More information relating to the IAS technical scope can be found in the IAS website at the following link: <https://ias.ieee.org/about-ias/ias-roster/ias-department-roster.html>

Eligibility

To be considered as a recipient of the IAS Student Thesis Contest Award, the candidate's thesis must have successfully been defended within two calendar years prior to the submission date and be relevant to the scope of the IA-Society. The candidate should be an IEEE IAS student or higher grade member for at least one year before the contest submission. The following two categories will be considered:

- a) PhD
- b) Non-PhD

Nomination

The nomination will be processed on a basis of application /self-nomination. Each entry should contain the following documents:

- a) Signed endorsement letter from the master thesis advisor stating the significance of the Thesis work.
- b) Abstract with author's name and thesis title on the top, not more than two pages of a clear description of the task, the method of the solution and the results. The abstract should explain from the candidate's perspective, the impact on professional knowledge, applicable technologies or industry processes/products.
- c) PDF copy of the original thesis work

Documents a)-c) must be in PDF format and submitted in English (even if the thesis was originally written in another language).

Submission must be made using the IAS CMD Thesis Contest Online form: [CMD Thesis Contest Application Form 2020](#)

Due Date

The application should be submitted on or before **March 15, 2020**

Evaluation

The Thesis contests will be evaluated by a panel under the leadership of the Thesis contest subcommittee chair.

The evaluation committee will evaluate the thesis work based on the following criteria:

- Quality of work (10 points)
- Clarity of scope and abstract (20 points)
- Relevancy of the thesis work to the scope of the IA-Society (20 points)
- Creativity (20 points)
- Scientific / technical merit (30 points)

The final recipient(s) along with all nominees will be notified no later than May 1st, 2020. If, in the opinion of the Selection Committee, none of the candidates sufficiently meet the criteria, the award will not be given for that year.

The Prize

The first, second and third prize recipients in each category will receive a cash prize amount of \$600, \$500 and \$400 respectively. The prize also includes an Annual Meeting Travel Grant to attend the IAS Annual Meeting.

The award recipients will be invited to present their thesis work during a special session at the IAS Annual Meeting 2020 in Detroit, Michigan USA (<https://ias.ieee.org/2020annualmeeting.html>).

For any queries, please contact the CMD Thesis Contest Subcommittee Chair:

- Dr. Nishad Mendis, rasanjana2000@gmail.com