



Application for IEEE Standards Education Grant
for
Student Application Papers Implementing Industry Standards

Step 1: Application Information

1.1 Date of Application: 3/15/19

1.2 Project Title: Movin On

1.3 Name of Student Project Leader and contact information: phone number and email address.
**Please specify if the project team leader is a high school, undergraduate, or graduate student.

Erik Lydick (undergrad) exl1287@rit.edu
610-304-1832

1.4 Project Team's Student(s) Name(s) and contact information: email addresses. **Please specify if the project team members are high school, undergraduate or graduate students.

Deirdre Arcand (undergrad) dna7444@rit.edu
Matthew Gould (undergrad) mdg2838@rit.edu
Connor Ford (undergrad) cxf9174@rit.edu
Tanvir Majlish (undergrad) txm4078@rit.edu
Kristin Ostiguy (undergrad) kmo1278@rit.edu

1.5 Name of Faculty Advisor/Mentor and contact Information. Must include email and office phone number and college/university postal mailing address:

Don Pophal
77 Lomb Memorial Drive
Rochester, NY. 14623-5603
Office: 585-475-7428
Cell: 585-703-4698

1.6 Educational Institution: Rochester Institute of Technology

1.7 Program/Course of Study: Kate Gleason College of Engineering

Step 2: Project information

Either below or in an attachment, please address each of the following by writing an Abstract Summary in a minimum of 300 words and MAXIMUM of 500 words.

2.1 Project title, scope, goal, and the rationale for selecting this project.

2.2 Has this project already started? If yes, include an explanation of where you are in the project timeline.

2.3 Provide a list of technical industry standards being analyzed and how they will be implemented to achieve your project goal. If you will be comparing two or more standards, please illustrate. *****NOTE that using off-the-shelf modules, products or components built to industry standards does not satisfy this requirement. SEE FAQ's for more details and examples.**

2.4 Description or plan of how the project will proceed from beginning to end, including:

- where in the project you will be choosing/considering the standards;
- an explanation of how and when you will apply the standard(s) in the project.

2.5 What is the target date for final paper submission to the Standards Education Committee? If target date exceeds 6 months from the date of this application, please include an explanation.

Step 3: Agreement

The requirement for receiving this IEEE Standards Education Grant is submission of a Final Student Application Paper upon completion of your project according the requirements below.

By submitting this application and the subsequent paper, the author(s) are granting the IEEE the non-exclusive right to post, publish and/or disseminate the work, including the right to publicize the author(s) names, university, paper title, and faculty mentor's name through IEEE's social media outlets.

3.1 The paper must be provided for critique to your Faculty Mentor/Advisor first, and then submitted to the IEEE Standards Education Committee after recommended changes have been made to your Mentor's satisfaction.

3.2 Final paper submission must include an evaluation/assessment of the project by the faculty advisor/mentor using the IEEE's Faculty Evaluation Form (shown below).

3.3 The final paper shall be a maximum of 10 pages or 5,000 words. Paper may be submitted in Word or PDF formats. For examples of accepted Final Student Application Papers go to <http://standardspapers.ieee-elearning.org/>.

The final paper shall contain:

- Reference section, including all standards applied.
- Standards Applied section:
 - In this section, students will clearly state which standards were used, how they were applied, and what they learned.
 - If the standard(s) has a requirement clause, how was that taken into account in the paper? Please list some of the clauses in the standard(s) that you applied.
- Paper shall be in a two-column format with copyright notice on the bottom of each page. For example, © 2015 + names of authors.

3.4 Do you agree to write and submit the Final Student Application Paper as described above and according to the target date? **Yes.**

NOTE: Failure to submit a final paper may negatively impact whether future IEEE Standards Education Grants are provided to students at your educational institution.

Step 4: Faculty Endorsement

A statement of endorsement is required from your Faculty Advisor/Mentor upon submission of this grant application. The Standards Education Committee will not consider incomplete submission packages.

This endorsement shall be submitted directly from the Faculty Advisor/Mentor via email to the IEEE Standards Education Committee at j.mcclain@ieee.org.

The statement of endorsement shall include the following:

- a) An acknowledgement of understanding the purpose of the IEEE Grants and an indication of how industry standards will apply to this project;
- b) Confirmation that the students have legal access to copies of the necessary applicable standards for the project;
- c) A statement in support of the project and the students' ability to succeed;
- d) Assurance that the final paper will include an explanation of technical industry standards considered and a description of how they were applied in order to achieve the project goal;
- e) An agreement to complete the final paper review and to submit a final evaluation using the IEEE's Faculty Evaluation Form to the Standards Education Committee.
- f) Acknowledgement that failure to submit a final paper may negatively impact whether future IEEE Standards Education Grants are provided to students at your educational institution;
- g) Acknowledgement that upon acceptance of the final student paper, the author(s) are granting the IEEE the non-exclusive right to post, publish and/or disseminate the work, including the right to publicize the author(s) names, university, paper title, and faculty mentor's name through IEEE's social media outlets.