

Introduction to IEEE IES Students and Young Professionals Activity Committee (S&YPs-AC)

The IEEE IES Students and Young Professionals Activity Committee (S&YPs-AC) refers to a team of volunteers devoted to support the most active students and young professionals all over the world. We are doing our best to attract students to IEEE Industrial Electronics Society (IES). S&YPs-AC supports selected conference publications authored or co-authored by IES Students (travel cost reimbursement up to US\$2000). In co-operation with the main IES conferences ISIE and IECON, this committee organizes scientific forums, tutorials, industry links and social events especially for students. Finally, S&YPs-AC selects and promotes the best student presentations during the forum by prestige recognition of up to US\$750. Please read further to learn more details about the above mentioned activities and benefits.

In order to clarify who is Students and Young Professionals member, let us explain this briefly. In the IEEE we have the membership ranks of **Student** and **Graduate Student**. "Student member must carry at least 50% of a normal full-time academic program as a registered undergraduate or graduate student in a regular course of study in IEEE designated fields. The total cumulative period for a member to hold the Student member grade and/or the Graduate Student member grade is limited to eight years" [1].

Do not worry if you have completed your study and received your first professional degree. In this case you can become a **Young Professional** (YP) IEEE member automatically, for up to 15 years after your graduation. Moreover, the help of more experienced professionals is needed to network with and mentor Young Professionals [2]. So, IES members are all 'young at heart' and cooperate together.

Attraction and benefits for Students and YPs

S&YPs-AC is continuously working on the offer for students by introducing/organizing travel reimbursements, paper recognitions, scientific fora and social events (Fig. 1). The main activities are described below.

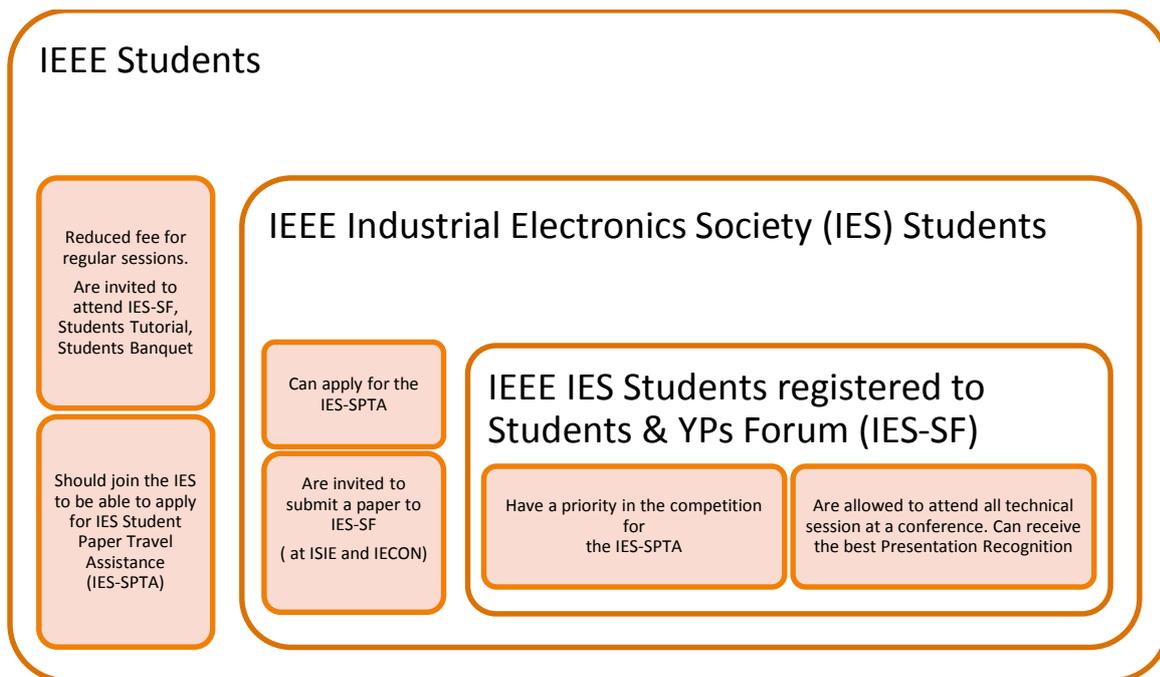


Fig. 1 A special benefits for IEEE Industrial Electronics Society (IES) Students - block diagram.

IES Student Paper Travel Assistance Program (IES-SPTA)

The Students and Young Professionals Activity Committee of the Industrial Electronics Society (IES) offers financial support to the IEEE IES Student members to attend IES conferences. We have pre-allocated **35 IES Student Paper Travel Assurances (IES SPTA) up to US\$2000 each** for conferences in year 2016. It should be pointed out that in the case of a large number of applicants having obtained a high score, the committee can reduce the travel assistance amount to US\$1000 per applicant. This exceptional measure is meant to support the travel of higher number of excellent applicants. On the other hand, the number of IES SPTAs for IECON or other conferences could be increased to follow the need, within budget capability. In March 2016 at ICIT, for the first time as many as 6 students were selected for travel assistance [3]. Other IEEE IES conferences where student travel assistances are planned to be distributed are: ISIE, INDIN, ETFA, CPE-POWERENG, IEEE-PEMC, IECON.

The conditions to apply for IES Student Paper Travel Assistance are:

- ✓ be an active IEEE IES Student Member,
- ✓ reside outside the city in which the conference is held,
- ✓ have a paper accepted at the conference and be the person who will present it.

The IEEE IES Manuscript Submission System will show the button to apply for the paper travel assistance only if at least one author has student's checkbox checked and only after the final version of the manuscript has been already submitted. A paper cannot be supported more than one travel assistance. A person cannot receive more than one travel assistance each year. Students interested in the IEEE IES Student Paper Travel Assurances Program should fill up the application available in the conference page submission system and follow all steps indicated in the form. They should clearly indicate their IEEE membership number and their paper reference number. All material should be submitted in PDF format on the form in the manuscript submission system. Paper travel assistance applications submitted by students will be evaluated by a committee consisting of: Chair of the Students and Young Professionals Activity Committee, IES President, Conference General Chair, and IES Treasurer. In case the number of applicants exceeds the budget, preference will be given to:

- ✓ students with the best-qualified papers according with the reviews of each conference,
- ✓ students who have not benefited from this program in the last two years,
- ✓ **when it comes to ISIE and IECON, students from Students & Young Professionals Forum (IES-SF) have priority.**

Deadlines which apply for assistance under the IES Student Paper Travel Assistance Program are as manuscript acceptance date plus circa two weeks. Some further notes are also summarized below:

- ✓ The diplomas for the IES Student Paper Travel Assurances (IES-SPTA) will be presented during the conference, usually at the Gala Dinner.
- ✓ The documents to be filled and sent to IES Treasurer are as per the Expense Reimbursement Procedures listed on the IEEE IES website [4].
- ✓ A three-minute speech (3Ms) + movie and project hardware demonstration (if applicable) during the conference is mandatory to receive the IES-SPTA. See more details how to prepare three-minute speech+movie for your project on the IEEE IES website (ieee-ies.org).

Students who are selected for IES-SPTA should post their 3 minutes videos on the associated IES Facebook event page at the following link:

<https://www.facebook.com/IndustrialElectronicsSociety/events>

Students can also post their photos from conference or the ceremony to the related event on the IES Facebook page.

Moreover, they should send their video files to Hani Vahedi to upload them to the IEEE IES YouTube Channel on: <https://www.youtube.com/channel/UCKg8GNii0Q-ieXE56AXosGg>.

So, please prepare video clips to be interesting for public viewers.

Students and Young Professionals Forum

The Industrial Electronics Society Students and Young Professionals Forum (IES-SF) is an activity specially thought for Students a great opportunity for engineering students (undergraduate, master and research (PhD) students) to present their research work on Industrial Electronics and related areas. The expected benefits are:

- ✓ **A reduced registration fee of US\$150 for students presenting their work in the IES-SF. NEW: Maximum number of accepted papers up to 10 with reduced registration fee!**
- ✓ Depends on the conference requirements: Oral Session, Poster Session, 3-minute speech (3Ms) to present research projects and results.
- ✓ Recognitions for the best presentations.
- ✓ Occasionally, special tutorials and/or industry-link conducted by distinguished world-class lecturers (usually YPs).
- ✓ Welcome party and banquet (see more in the next section).
- ✓ Friendly debates with colleagues and companies on professional topics of interest.
- ✓ An extended deadline – normally two weeks longer than for regular conference sessions.

Further notes related to the IES-SF are given below:

The IES-SF is an opportunity for students to present original results from their research work in an Oral Session and/or a Poster Session and/or 3Ms.

It should be noted that students who won IES-SPTA have to present their projects additionally within 3Ms, with a three-minute movie about the project in background (see more information on the <http://www.ieee-ies.org/students>). Topics are not limited but they should match the scope of the IES conference hosting the IES-SF.

It is worth pointing out that only students can be authors, if reduced fee is required/used. Papers co-authored with graduate professionals (academics, engineers, etc.) must be covered by full registration fees.

Student activities will be concentrated in only one day to reduce the overall cost of attending the IES-SF. However, students are allowed to attend most of the activities (technical sessions and tutorials) of the IES conference hosting the IES-SF. Students with a regular registration for the conference will be allowed to participate in the IES-SF and all students activities (Tutorials, Banquet etc.) free of charge.

How can I participate in the IES-SF? Authors should submit a copy of their full paper, in English, 6 pages maximum, using the automated web-based submission system and selecting **Students Forum [SF]** as technical track. Authors should specify in their submitted draft manuscript if they would like to participate either in the oral sessions or poster session. For further information, please consult the official symposium website or contact the IES-SF chairman of the respective conference.

An international group of reviewers will select the best presentations of the IES-SF based on the quality of the submitted paper, the clarity of the presentation and the interest aroused among the audience. Authors of these works will receive an IEEE IES supporting diploma in recognition of the quality of their contributions and a **US\$750 recognition per work**. It should be noted that IES-SF recognitions diplomas will be presented during conference but the money will be paid when the recipient submits to the IES Treasurer one of the U.S. tax form W-8 or W-9 and choose the form of payment: cheque or wire transfer.

Students tutorial and industry link

In some cases, special Students tutorials conducted by distinguished lecturers usually YPs will be given. Within the tutorial framework, the IES S&YPs-AC committee invite young engineers from industry to assure a link between students and YPs from academia and industry.

Welcome party and banquet

The IES-SF starts with a welcome session. This is a great opportunity to meet colleagues coming to the conference from all around the world. Conference Chairs and IES S&YPs-AC will take advantage of this opportunity to give you a warm welcome to the IES-SF. Moreover, we will provide all the information you need about young engineer sessions and social activities available through the IES-SF.

After presentations and questions, IES will hold a students' party to close the IES-SF. This will normally be in the format of a buffet with light refreshments and drinks - a relaxed and informal time to discuss the conference, establish new contacts and make plans for the coming IEEE IES conferences.

Usually, an IES-SF recognitions ceremony is held during the buffet. The best presentation IES-SF recognitions are handed out during this ceremony, normally by the IES President. Tickets for the students' party are included in the IES-SF registration fee and in the regular student registration, therefore all students from the conference are welcome to enjoy a time of scientific relaxation with their colleagues and IES Officers.

Student Branch and Student Branch Technical Chapter

Student Branches provide IEEE Student members the opportunity to meet and learn from fellow students, as well as faculty members and professionals in the field. An active IEEE Student Branch can be one of the most positive elements in a department, offering programs in IEEE designated fields of Engineering, Computer Science and Information Technology, as well as similarly related fields of interest.

A Technical Chapter at your Student Branch is your local link to the valuable resources available from IEEE and its many Societies and Councils. The Student Branch Technical Chapter petition form includes complete directions and a workflow document of the Student Branch Technical Chapter petition processing activity can be found on IEEE website address given in [5]. Thus, please consider setting up a new IES Student Branch Technical Chapter. For more information, please visit the IEEE IES website.

IES Students and Young Professionals Activity Committee (S&YPs-AC) reports

To learn more about our activity, please visit the IEEE IES website to access our annual reports [6].

S&YPs-AC's people and roles

The Students and Young Professionals Activity Committee currently consists of:

- **Marek Jasinski** - Students and YPs Activity Committee Chair;
- **Samir Kouro** Students Forum;
- **Marek Turzynski** - YPs Members activities, Cooperation with Web and Information Committee;
- **Dmitri Vinnikov** - Students Banquet, and Students Tutorial;
- **Hani Vahedi** - S&YPs-AC e-promotion and exhibition, co-Chair of three minutes speeches (3Ms).

Moreover, S&YPs-AC can manage all the threads mentioned above thanks to the valuable support from Web & Information Committee [7], IES President, VP for Memberships, IES Treasurer, IES conferences Chairs and all IES volunteers which stimulate and support our activity.

Summarizing all of the above - please consider becoming IEEE IES student member and help us to promote new knowledge and interact proactively in our welcoming professional environment. We are looking for new volunteers. "In you there is hope, for you belong to the future, just as the future belongs to you. For hope is always linked to the future; it is the expectation of 'future good things'" [8].

IEEE IES Students and Young Professionals Activity Committee (S&YPs-AC)

Web & Information Committee

IES-Vice President for Membership Activities

IES-Vice President for Conference Activities

IES-Treasurer

References

1. http://www.ieee.org/membership_services/membership/join/index.html
2. <https://www.linkedin.com/company/ieee-young-professionals>
3. <https://www.facebook.com/events/1835441829929519/>
4. <http://www.ieee-ies.org/members/treasurer-information>
5. http://www.ieee.org/societies_communities/geo_activities/forms_petitions/forms_petitions_index.html
6. <http://www.ieee-ies.org/students/reports>
7. <http://www.ieee-ies.org/members/wic>
8. prof. Karol Wojtyła