



**Participation rules for the
PEGASUS-AIAA Student Conference**

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INTRODUCTION

The purpose of the conference is to provide a forum for PEGASUS Students (i.e., students enrolled in a degree programme of PEGASUS institutions) but also to AIAA student members not enrolled in a degree programme of PEGASUS institutions, to present technical papers in public competition for 1st, 2nd, and 3rd place prizes in the graduate (masters candidates only) categories. The conference serves to give the students an opportunity to practice the presentation of technical work at meetings.

The fundamental objective of the conference is to provide students with an educational experience that prepares them for their future as practicing aerospace engineers. Students attend and present technical work as they would at a professional meeting. In addition, they establish professional relationships, learn from others, and improve their communication skills. Their work, both written and oral, is evaluated by professional members serving as judges, with the primary intent of providing substantial feedback on the quality of their work. The highest scoring papers are also recognized with awards, supplied by the sponsoring industries.

Any Pegasus Student or AIAA student member from a non-PEGASUS European university is invited to participate in the conference. Only Masters' level student papers are accepted for competition. Ph.D. student papers are not eligible to compete for awards. Their work may be presented for review only.

The work presented should be original, not already published or presented elsewhere.

THE CONFERENCE CATEGORIES

Graduate Division (MS)

Papers based on independent student work (max. 2 students) that was part of any project completed in their final year (BAC+5 level) should compete in the Graduate Division of the Student Conference (examples could be the “projet de fin d’études” in France, the “tesi di laurea” in Italy, the “Studienarbeit” or “Diplomarbeit” in Germany). At the time of the PEGASUS or AIAA conferences the students may have completed the diploma, after the date of the previous PEGASUS student conference, and even be working on an advanced degree (such as Ph.D.) but are still eligible for this graduate division based on work performed before they completed their diploma. There are currently no other categories in the PEGASUS student conference.

Faculty Advisors

If appropriate, faculty members that advised students during the preparation of their work can be listed as a co-author (never as a first author) and their status of advisors must be clearly indicated. Principle responsibilities for a submitted student conference paper fall with the student author/s and as such they must be listed first. Faculty co-authors cannot present the paper or answer questions at the student conferences, nor are they eligible to receive any prize money. Violations of these rules subject papers to disqualification.

Exhibition Presentations

Exhibition presentations are presentations given at the conference that are not eligible for prize money. Presentations in this category are not required to have a paper submitted to be judged as in the paper competition.

It is highly recommended to involve leading industries in order to have few exhibition presentations done by some engineers in some high topical issues.

Subjects for student papers

All aerospace engineering disciplines are allowed (Aerodynamics, Gasdynamics, Heat Transfer, Structures, Materials, Aircraft Design, Subsystems and Integration, Rotary Wing Systems and Non-conventional Aircraft, Performance, Stability and Control, Flight Dynamics, Propulsion and Combustion, Production, Maintenance, Air Traffic Control, Aircraft Operations, Airports, Safety, Aircraft Navigation, Avionics, Communications, Space Engineering and Technology).

Paper format

Papers should preferably comply with standard international journal papers format. The preferred format is the one adopted by Springer and available at https://www.springer.com/journal/42496/submission-guidelines#Instructions%20for%20Authors_Text).

Single-page papers should be limited to maximum 20 pages. Should the paper be formatted in double-column, the page limit is fixed at 11 pages.

Official language

The official language of the conference is English. All papers must be written and presented in English.

BASIC PARTICIPATION RULES

The PEGASUS Student Conference represents the conclusion of a competition and paper selection handled by the PEGASUS network, applicable to both PEGASUS students and AIAA student members from non-PEGASUS European universities.

Any student of a PEGASUS institution or AIAA student member from a European (non-PEGASUS) university is invited to participate, submitting a paper to their own institution. AIAA student members not belonging to a PEGASUS university can participate in the conference, submitting their work, prepared according to the general rules, directly to the evaluation committee. In this case, each paper must be accompanied by a written statement by one endorsing professor from any European University, expert in any of the aerospace engineering disciplines, where he/she declares the availability to participate in the evaluation committee. If the AIAA student member is also enrolled in one of the PEGASUS institutions, he/she should follow the selection process of that institution and not apply directly to PEGASUS.

Authors of the selected papers will actually participate in the PEGASUS Student Conference. Each author will have to be AIAA student member in order to participate in the conference.

No student will be allowed to participate in more than one category.

Travel costs of the students to the PEGASUS Student Conference location will not be supported by PEGASUS. Each PEGASUS institution will be responsible for supporting the travel of its students to the PEGASUS Student Conference location. Students selected from non-PEGASUS European universities will be responsible to agree on possible forms of support from their own institutions.

CONFERENCE ORGANIZATION AND RULES

The following rules govern PEGASUS Student Conferences. This information is for both organizers and student competitors. In order to assure a successful conference, you must comply with these rules.

1. PEGASUS Student Conferences are to be sponsored jointly by European industries and associations, student associations and the Region and local professional associations, where it is feasible.
2. Except when prearranged in a different way, PEGASUS Student Conferences must be hosted by the student association of the host school. If there is no local student association, it is recommended to set up a group of student “volunteers” to host the event. The term “hosted” means that the members of a participating student branch will act as titular hosts to visiting students during the various meetings and social affairs of the conference. It does not necessarily imply that the students must provide the management of these meetings and affairs when this management can be better provided.
3. Master’s papers are eligible for first, second, and third place prizes in their respective category.
4. There is no tie for the first place award, however, ties are permitted for second and third place. If there is a tie for second place, the second and third place awards will be added together and divided evenly. In such a case, there will be no third place winner. If there is a tie for third place, the award will be divided evenly.
5. Only work completed as an undergraduate or Master’s student is eligible for competition. If students have received their degree and wish to present the results of work completed while an undergraduate or Master’s degree candidate, they may do so if the degree is received after the previous PEGASUS Student Conference and the paper has not been changed from its original form.
6. Papers prepared by Ph.D. students, on Ph.D. work, are not eligible for competition awards. Faculty advisors may be listed as a co-author on the paper.
7. For the Master's student category, no more than two student authors may prepare and/or present a paper at any PEGASUS student conference. Topics submitted may not be the same or a part of any project involving more than two students.
8. If appropriate, faculty members that advised students during the preparation of their work can be listed as a co-author (never as a first author). Principle responsibilities for a submitted student conference paper fall with the student author/s and as such they must be listed first.
9. Clearly identify the status of all authors (i.e., undergraduate student, Masters student, or faculty member) on the submitted paper. Improper submissions are subject to disqualification. Faculty co-authors cannot present the paper or answer questions at the student conferences, nor are they eligible to receive any prize money. Violations of these rules subject papers to disqualification.

10. The primary concept of a paper must be the work of the author(s) listed. Papers that result from co-op, internship, sponsored research must include an acknowledgement statement specifying contributions of other participants in the project. The Judging Chairman reserves the right to establish that the work is, in fact, the work of the author(s) listed.

EVALUATION CRITERIA

Each Student Conference paper will be evaluated by two sets of judges; technical judges and oral presentation judges.

The technical judges evaluate the written paper on the basis of its Technical Content, Originality, and Practical Application, awarding a maximum of 500 points. All papers must be written in English.

The oral presentation judges evaluate the presentation delivered by the student on the same basis of Technical Content, Originality and Practical Application, plus Knowledge of Subject (as evidenced by questions and discussions following the presentation) and Delivery during the presentation, with the total maximum number of points also equal to 500. All presentations and questions/answers must be in English. All presentations will be 20 minutes long, and further 5 minutes will be dedicated to questions/answers.