



**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 for a degree programme of Pegasus institutions) and student members of the European Sections of AIAA 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 student member of the European Sections of AIAA is invited to participate in the conference. Only undergraduate and 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 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 AIAA 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 can not 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).

### **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 or selection that every Pegasus institution or European Section of AIAA can implement locally.

Any student of a Pegasus institution or member of the European Sections of AIAA is invited to participate, proposing his paper to its own institution.

Each institution will pre-select, adopting self-given criteria, a maximum of three papers for the Graduate Division, and also ensure that the submitted papers satisfy the rules for the event.

European AIAA student members can participate in the conference, submitting directly to the evaluation committee their work prepared according to the general rules. In this case, each paper must be accompanied by a written statement by one endorsing professor of 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 student is also a graduate from one of the Pegasus institutions, he/she should follow the selection process of that institution and not apply directly to Pegasus.

The papers selected will actually participate in the Pegasus Student Conference.

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

No travel costs of the students to the Pegasus Student Conference location can be supported by the organization of the latter.

Each Pegasus institution will be responsible for supporting the travel of its students to the Pegasus Student Conference location.

European Sections of AIAA will be responsible for supporting the travel of their students to the Pegasus Student Conference location, and will be asked to participate actively in the Organizing and Judging Committees.

## 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 and consistency with the AIAA National Student 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. It is the number of students, not including the faculty co-author, listed that determines the competition category. Responsibility for proper participation in the undergraduate, Master's, or Team category rests with the authors (not the conference organizers or chairman). Improper submissions are subject to disqualification. Faculty co-authors can not present the paper or answer questions at

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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.
11. Papers must comply with standard AIAA professional conference format. The length of each paper will be limited to 11 single-column, single-spaced pages, including the abstract, references, and figures. Use A4 paper, with 2.5 cm right, left, top, and bottom margins and 10-point Times New Roman fonts. Consult the "AIAA Manuscript Preparation Kit Guidelines" (Available at [http://www.aiaa.org/uploadedFiles/Events/Related\\_Content/Author\\_and\\_Organizer\\_Resources/Author\\_Resources/Author\\_Kit\\_S1version.pdf](http://www.aiaa.org/uploadedFiles/Events/Related_Content/Author_and_Organizer_Resources/Author_Resources/Author_Kit_S1version.pdf)) for further details and information. Deviations from these rules subject papers to disqualification.
12. Pegasus is to submit a final report to AIAA no later than 30 days after the conference is held. This report should include (a) statistics on the number of faculty, students, other attendees, and the number of schools represented, (b) the name of the school for each student that is awarded a prize, (c) the travel budget to get the winners to the AIAA Aerospace Sciences Meeting & Exhibition and (d) the list of sponsors.

## **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. Papers must comply with standard AIAA professional conference format. The length of each paper will be limited to 11 single-spaced pages, including the abstract, references, and figures. Consult the "AIAA Manuscript Preparation Kit Guidelines" for further details and information.

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. For the Graduate Division all presentations will be 20 minutes long, and further 5 minutes will be dedicated to questions/answers.