



Politecnico di Torino
IEEE Student Branch



IEEE PoliTO Student Symposium 2023

(best PoliTO student paper award)

The IEEE Student Branch of Politecnico di Torino organizes the “IEEE PoliTO Student Symposium 2023 (best PoliTO student paper award)”. General, specific and technical rules are described in the following. The IEEE Student Branch of Politecnico di Torino reserves the right to modify the rules and the modality of the event according to logistical reasons and necessity (e.g. related to the number of participants, number of submitted papers), or any another practical reason without informing the participants to the event. Nevertheless, the IEEE Student Branch of Politecnico di Torino commits to inform all the participants about important modifications of the rules presented in this document. Modifications w.r.t. to the present document are incontestable and submission of papers is intended to accept entirely the content of the present document.

General.

1. The “**IEEE PoliTO Student Symposium 2023 (best PoliTO student paper award)**”, hereinafter referred to as “PoliTO SPC” (PoliTO local Student Paper Contest), is an IEEE local student paper contest organized by the IEEE Student Branch of Politecnico di Torino.
2. The competition purposes are: (i) to stimulate students’ research interest in the areas of engineering which the IEEE is concerned with; (ii) to stimulate and recognize student efforts dedicated to research projects and scientific activities in the areas of engineering which the IEEE is concerned with; (iii) to select two eligible student papers to be submitted to the **Region 8 Student Paper Contest 2024**.
As an example, the link of the last edition of the Region 8 Student Paper Contest is reported: (<https://ieeer8.org/student-activities/sa-announcements/student-paper-contest-2023-call-for-papers/>).
3. The present contest is intended only for **members of the IEEE Student Branch of Politecnico di Torino**. All students of the Politecnico di Torino who are also IEEE members are IEEE Student Branch of Politecnico di Torino members.
4. **Paper submission is restricted to student members or graduate student members who have not yet started their Ph.D.** The work presented in the paper has to be completed before the student receives the engineering degree that entitles her/him to start preparing a doctoral thesis and it should be not published previously. The submission must be no later than 12 months after graduation.
5. Papers should cover technical and engineering aspects of a subject within or related to the areas with which the IEEE is concerned. The work need not be strictly original in the scientific sense, but it should be original in the treatment of a certain topic and the author’s contribution to that topic should be clearly seen.
6. The papers should be submitted by email; the email should be sent to sb.polito@ieee.org. The subject should be: “**Apply for the PoliTO SPC 2023**”. Only one email per paper should be sent. If more authors submit the same paper, exclusion from the contest will occur. The email

should be sent by the corresponding author of the paper or alternatively by any of the other authors.

7. The paper submission should be performed from **September 11th, 2023** to **September 30th, 2023**. Any received paper before or after this time interval will not be considered.
8. All received papers will be revised anonymously by professors, researchers, doctoral students of the Politecnico di Torino. A minimum of three reviewers per paper will be assigned.
9. All received papers will be presented in oral or poster/demo format during the final main event, scheduled for **November 6th, 2023**. During the event a keynote talk will be provided by a professor or researcher of the Politecnico di Torino. Coffee break and refreshment will be provided to all participants.
10. The modality of presentation (oral 15 minutes or poster/demo) of each received paper will be notified by email on **October 23rd, 2023**. The oral presentations will occur on November 6th during the final event. The poster/demo presentations will occur on November 6th during the refreshment of the final event.
11. Attendance and Participation Certificates will be provided to all the authors who participate in the PoliTO SPC. Two Appreciation Certificates will be provided to the authors of the two best papers. They will be also rewarded with a **130 \$ prize each**, and they will have access to the **IEEE Region 8 Student Paper Contest 2024**, with the opportunity of presenting their work at an international IEEE Conference - according to the Region 8 Student Paper Contest 2024 rules/details (possibility of reimbursement of expenses for presenting authors).
12. The final event will be video-recorded and documented through photos. The participation at the event is assumed by the organizing team as inclusive of the consensus to appear in the produced video/photo digital material. Each participant at the final event, with his/her participation, agrees to eventually appear in the produced material. The produced material will be published on the YouTube channel of the IEEE Politecnico di Torino Student Branch, and on its official communication channels, social networks and website.

Character of the paper and document layout.

13. Papers should be written either in English or Italian.
14. Papers should cover technical and engineering aspects of a subject reasonably within or related to the areas with which the IEEE is concerned with, at any level of abstraction.
15. The work does not need to be original in engineering content, but should be original in treatment and concise in coverage of the author's contribution to the subject.
16. The paper must be typewritten on A4 size paper (210 mm × 297 mm), with the text width equal to 183 mm and the text height equal to 243.5 mm; a font size of 10 pt or larger should be used. The two-column IEEE Transactions style (with the space between columns equal to 4.1 mm) is required.
17. The paper should not exceed six (6) pages. Overlength papers will not be considered for the contest.

Grading and evaluation of the papers and presentation format.

18. The papers are evaluated at a maximum of 10 points. Fractional points are admitted.
19. Up to 3 points are assigned to each paper from each reviewer. The maximum achievable in the review phase is 9/10.

20. After the review process, the highest score papers will be presented orally during the final event, 15 minutes. Papers that are not selected for the oral presentation will be presented in poster or demo format during the final event.
21. Oral presentation will provide up to 1 extra point to the paper, maximum score achievable including the oral presentation is 10/10. Clarity of presentation will be considered a matter of evaluation. The oral presentation should be supported by electronic presentation with slides.
22. The two highest score papers will be submitted to the IEEE Region 8 Student Paper Contest 2024. The two winners will be decided and announced during the final event of the PoliTO SPC. Before the IEEE Region 8 Student Paper Contest 2024 submission authors are warmly invited to satisfy the reviewers' concerns by modifying suitably the papers. In particular, papers written in Italian must be translated in English prior to this submission.
23. In addition to the selection of the two winners, the Politecnico di Torino IEEE Student Branch deserves the possibility to assign additional recognition certificates to all the worthy papers of the contest.
24. Evaluation guidelines: The following criteria will be suggested to reviewers to provide a uniform grading standard, in accordance with the Region 8 Student Paper Contest evaluation guidelines:
 - a. Do the authors present their independent work?
 - b. Is the significant amount of presented work new? Do the authors present a novel interpretation of some existing work?
 - c. Is the subject matter of substantial technical content and is it presented at an acceptably advanced level?
 - d. Is the 100-word abstract concise, informative and accurate?
 - e. Does the written presentation include a satisfactory introduction which properly orients the reader with respect to the general area with which the paper deals ? Does the concluding portion of the paper summarize the reader's impression of what the work has accomplished ? Are the conclusions supported by evidence?
 - f. Does the exposition (and analysis which may be involved) proceed in an orderly and logical manner? Is the paper self-contained?
 - g. Does the author exhibit ingenuity and resourcefulness in methods of presentation, choice of illustrations, use of analogies and the like?
 - h. Is the paper technically accurate?
 - i. Is an unmistakable meaning conveyed with acceptable brevity?
 - j. Is the format and typesetting quality of the paper appropriate?

Oral and Poster/Demo presentations.

Oral presentations should be supported by electronic slides in pdf or pptx format . Poster print and Demo preparations will be dependent on the authors of the papers, the organization will not provide support to poster printing or demo preparation. Oral presentation, electronic and printed material can be either in Italian or English.

Author guidelines.

The following guidelines are suggested to assist grading by providing a uniform layout. In general, the paper should be organized as follows:

Title page. The title should consist of the minimum number of key words necessary to portray accurately the content of the paper. Reader's interest is stimulated by a well-chosen title. The author's name should not appear on the title page, nor should any other name of persons or schools.

Abstract. The abstract should not describe the paper, but should give in brief the essential facts of its content, for example, a brief statement of the problem or objective and a concise summary of results or conclusions, touching upon methods or other details only if they are unique or if they are of some particular significance. The abstract should be no longer than 100 words.

Introduction. The introduction should lead to the development of the subject so that the reader may obtain a clear understanding of the significance of the paper. This often can be done by giving briefly the state of the art as background. Then bring out the added advantages of the method of approach and emphasize the importance of the results or conclusions.

Body. The main argument of the development of the subject is carried out in the body of the paper, complete with supporting data. The argument should proceed in a logical sequence according to a prepared outline. The writing should be in the third person. Supporting data and results can often be presented most effectively as curves, charts or tables. Well-known abbreviations may be used in the text but should be defined where used the first time, followed by the abbreviation in parentheses. Generally, the use of abbreviations should be confined to not duplicate text matter.

Conclusion. The conclusions are often considered the most important part of a paper. They should be stated concisely in a separate section at the end of the paper. If there are three or more conclusions, greater emphasis can be obtained by numbering each conclusion and setting it off in a separate paragraph.

Tables. Tables should be numbered consecutively using Roman numerals. Small tabulations or listings may be made in the text where necessary for continuity. Each table should be titled by giving a brief description as a heading following the table number at the top. Ditto marks should not be used in tables, but brackets may be used to group information common to several lines.

Diagrams. Three types of diagrams may be used: photographs, oscillograms, line drawings. Keep reading matter on illustrations to a minimum; include it in the captions. Portions of illustrations may be identified by letters and explained in the captions. Whenever feasible, combine several curves on the same coordinates. Their identifying letters or numbers should be in clear spaces between cross-section lines. If it is necessary to place data over cross-section lines, erase these lines.

Appendices. Detailed mathematical proofs, development of equations, and examples which are subordinate to the main argument in the body of a paper, but not essential to following the argument, should be treated in appendices. References are made in the text to details in the appendices. Main equations as they are developed should be numbered consecutively, with the number in parentheses opposite the equation in the right hand margin.

References. Any information or development taken from books, periodicals or courses, i.e. from any external source, should be clearly referenced in the text and a suitable reference list should be appended to enable the reader to consult those sources. References should be numbered consecutively and should follow the form shown below:

For a periodical: R. N. Hall, "Power rectifiers and transistors," Proc. IRE, vol. 40, pp. 1512–1519, November 1952.

For a book: W. A. Edison, Vacuum Tube Oscillators, Wiley, New York, pp. 170–171, 1948.