



Student Paper & Design Competition

The EMBS Student Paper & Design Competition is jointly sponsored by IEEE EMBS and the Whitaker Foundation.

Student Paper Competition Guidelines

Students interested in participating in the Student Paper Competition should register for the Conference via the Online Registration and Paper Submission System from the Conference Website. The student author should be listed as the first author and the student's advisor as the second author. Other individuals may be listed as co-authors, if appropriate. The student **must** be a member of the EMB society or **must join** the society at the time of notification of the Competition Finalists.

A student may submit up to two entries (on substantially different topics). Each student must indicate that their paper is to be considered for the competition by checking the ENTER box at the Conference Online Registration and Paper Submission System when registering your Paper. Each student should also indicate whether their paper is to be withdrawn from the conference if they are not chosen as a finalist.

Rules for manuscript preparation for the SCIENTIFIC PAPER, as outlined on the conference web site and in the Author's Kit, should be carefully followed for submitting a four (4) page paper.

The Review Process

The normal, web-based review process for the Conference will be used to review all entries in the Student Competition. Entries will be judged on technical merit, structure (abstract, introduction, methods, analysis, results, conclusion and references), clarity of composition and originality.

The Student Paper Competition Committee will use the reviewer's scores to select the top entry from each region and open finalists. A finalist will be selected from each of the 10 IEEE regions. Regions represented by fewer than five (5) authors may be combined with another group for the Regional Competition. Five additional Finalists will be selected in an Open Competition from all the remaining entries in the Student Paper Competition. There will be a total of 15 finalists in the competition.

Note: Any student wishing to have his or her entry withdrawn if it is not selected as a Finalist should clearly indicate this when registering their paper submission.

The Finalists

Each Finalist will receive complimentary Conference registration, social function tickets, the Conference Proceeding and a travel reimbursement stipend in US funds for the cost of travel expenses, hotel accommodations and meals in the amount up to the following limits:

Regional Finalists in the STUDENT PAPER COMPETITION from Regions 1-10 receive up to **\$1000 USD**
Open Finalists in the STUDENT PAPER COMPETITION, regardless of region, receive up to **\$500 USD**

According to IEEE policy, students must submit a completed W8 or W9 IRS Form and IEEE Expense Reports with original receipts after the Conference in order to be reimbursed.

Each Finalist must attend the Conference and present his or her paper in the regular conference program, either as an oral or poster presentation - **no substitutes will be permitted**. A special session for all student finalists to present their papers in slide format will be scheduled. The student finalist must present as part of the regular conference program **and** as part of the special Student Paper Competition Session. A panel of judges will review each presentation. First, second, and third place winners will be selected based on the professionalism of the presentation, verbal communication skills, and the technical merit of the topic.

The three winners of the STUDENT PAPER COMPETITION will receive an engraved plaque and an honorarium of \$300.US for the first place winner, \$200.US for the second place winner, and \$100.US for the third place winner. The winners will also be invited to submit expanded versions of their work for publication in the IEEE EMB Magazine. All Finalists will receive Certificates of Merit and will be recognized at the EMBS Awards Ceremony.

Student Design Competition Guidelines

Undergraduate or Graduate Design entries submitted either by individuals or teams (limited to 3 students), should be registered for the Conference via the Online Registration and Paper Submission System from the Conference Website. The individual student or the design team (limited to 3 students) should list one author as the first author and the student's advisor as the second author. Other individuals may be listed as co-authors, if appropriate. The student **must** be a member of the EMB society or **must join** the society at the time of notification of the Competition Finalists.

Each student must indicate that their paper is to be considered for the competition by checking the ENTER box at the Conference Online Registration and Paper Submission System when registering your Paper. Each student/team should also indicate whether their paper is to be withdrawn from the conference if they are not chosen as a finalist.

Rules for manuscript preparation for the SCIENTIFIC PAPER, as outlined on the conference web site and in the Author's Kit. Design Competition entries may submit a paper up to ten (10) pages in length including illustrations, diagrams and references. Design entries should include the following:

Title Page

Abstract or summary page

Introduction describing background, purpose and scope

Discussion that provides a technical description with analysis support

Conclusion

Specifications

Illustrations

Verification of project success supported by video and /or photographs (please note these may not be returned after the competition).

The Review Process

The normal, web-based review process for the Conference will be used to review all entries in the Student Competition. Entries will be judged on technical merit, structure (abstract, introduction, methods, analysis, results, conclusion and references), clarity of composition and originality.

The Student Design Competition Committee will use the reviewer's scores to select the top entry from each region and open finalists. There will be a total of 3 finalists in the design competition.

Note: Any student wishing to have his or her entry withdrawn if it is not selected as a Finalist should clearly indicate this when registering their paper submission.

The Finalists

Each Finalist will receive complimentary Conference registration, social function tickets, the Conference Proceeding and a travel reimbursement stipend in US funds to defray the cost of travel expenses, hotel accommodations and meals in the amount up to \$500 per person.:

According to IEEE policy, students must submit a completed W8 or W9 IRS Form and IEEE Expense Reports with original receipts after the Conference in order to be reimbursed.

Each Finalist must attend the Conference and present his or her paper in the regular conference program, either as an oral or poster presentation - **no substitutes will be permitted**. A special session for all student finalists to present their papers in slide format will be scheduled. The student finalist must present as part of the regular conference program **and** as part of the special Student Paper Competition Session. A panel of judges will review each presentation. The winning entry will be selected based on the professionalism of the presentation, verbal communication skills, and the technical merit of the topic.

The winner of the STUDENT DESIGN COMPETITION will receive an engraved plaque and an honorarium of \$1000 US. for the first place winner, \$200.US for the second place winner, and \$100.US for the third place winner. The winner will also be invited to submit expanded versions of their work for publication in the IEEE EMB Magazine. All Finalists will receive Certificates of Merit and will be recognized at the EMBS Awards Ceremony.

For additional information contact the EMBS EMB Executive Office:

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