



## 2023 WE Local Bengaluru Poster Competition

### Objective

The objective of the WE Local Poster Competition is to provide undergraduate and graduate students with the opportunity to present their research as a visual poster presentation to a broad technical audience during the in-person conference. This allows students to gain insight on their research and receive live feedback and encouragement from others within the STEM fields.

### General Information

The Society of Women Engineers (SWE) is now accepting online abstract submissions for the WE Local Bengaluru Poster Competition. All interested participants are required to submit an online abstract for judging.

Submissions must be made online and are limited to one submission per person. All submissions will be reviewed by a panel of judges. The selected abstracts will be notified in February 2023 and invited to present their poster in person at the WE Local Bengaluru conference.

Individuals invited to present their poster at the conference will receive complementary conference entry to the full 2-day event and will be required to participate on site. Those participating from outside of the Bengaluru area will receive up to 15,000 INR in reimbursement to offset their travel expenses.

Questions about the WE Local Bengaluru Poster Competition can be directed to [awards@swe.org](mailto:awards@swe.org).



## STEP 1: Abstract Submission

### Abstract Eligibility

Current Undergraduate or Graduate students are eligible to apply

### Abstract Application

#### REQUIRED APPLICANT INFORMATION

- Name
- University
- Level – Undergraduate or Graduate
- Expected Date of Graduation
- Biography of the Applicant (limited to 150 words)
- SWE Membership Number (if applicable)
- Contact Information
  - Address
  - Mobile Phone
  - Email

#### REQUIRED ABSTRACT INFORMATION

- Title of Research/Project
- Author(s) Name – Acknowledge those who have participated significantly in the technical aspects of the research/project
- Abstract (limited to 500 words)

### Abstract Guidelines

An abstract is a concise summary about the research or project being submitted for consideration. Assume the reader is knowledgeable in the broad category of the topic, but not necessarily an expert in the specialty of the project. The abstract should be no more than 500 words and submitted via the online submission form.

### Abstract Scoring

Submissions will be scored based on the following categories and points.

REQUIREMENTS	POINTS AVAILABLE	POINTS EARNED
<b>Title:</b> Clear and understandable, summarizes abstract, interesting.	10	
<b>Context:</b> Background on research or project area, gives context to the work how it fits in the larger field. Limits of the scope of the investigation/project. Answers “Why was this work undertaken?”	15	
<b>Objectives:</b> Hypothesis, intent of work, or problem statement. Answers “What is this work trying to show? What is being proven or implemented?”	20	
<b>Methods &amp; Results:</b> Concise summary of experiments or project accomplishments. Summarizes key data. Answers “How was the work done? What happened?”	15	
<b>Conclusions:</b> Interpretation of outcomes. Gives context to how the work fits in the larger field.	20	
<b>Overall:</b> Submission is structured as an abstract. Clear communication style, without typos or grammatical errors. Work is compelling, high quality, and rigorous.	20	
<b>TOTAL</b>	<b>100</b>	

### *Helpful Hints for Preparing your Abstract*

#### **Tips for Content**

- Briefly explain the context of your work. What is the objective? What are you aiming to demonstrate or prove? Why is your work important or significant for your field?
- If you need to reference a type of test or procedure, try to restrict it to identification of method or type of process employed. Stay away from excessive details that would take away from clarity.
- State results, conclusions, or findings in a clear, concise fashion.

#### **Tips for Style**

- Assume that the reader has a good general technical vocabulary but try to avoid use of highly specialized words or abbreviations. Remember that they may not be an expert in the specialty of your work or even your field of engineering or science.
- Use past tense and third person in describing completed research, present tense when stating existing facts and what is included in the larger work.
- Proofread your work. Incorrect spelling and poor sentence structure will discourage interest in your project.
- Have an advisor, mentor, or colleague review your abstract. Provide the scoring rubric so they can give feedback on how well they understand your work.

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## **STEP 2: On-Site Competition**

### **Poster Eligibility**

Selected abstracts will participate in the onsite competition at WE Local Bengaluru on the 27<sup>th</sup> and 28<sup>th</sup> of April 2023.

### **Poster Logistics**

The poster should be prepared in a format that is easy to interpret in the absence of the author.

- Bring your poster with you to the conference. Poster size shall be up to 3ft wide X 4ft high and not too less.
- Posters should follow the SWE template provided. Posters will not be allowed to be displayed if the template is not use correctly as per the provided guidelines.
- Consider printing on cardboard or cloth. Paper or cardboard should be laminated.
- Give enough margins to stick the poster to the stand, but not too much.
- Posters should be designed and constructed so they can be attached to the poster board with tape (provided on the day of conference by the organizers).
- Poster should be printed once the content is finalized and approved.
- Poster boards mounted on stands shall be provided by the organizers in the designated place for the poster presentation.
- All posters should be on display for the duration of the poster conference.
- All poster presenters will be responsible for the removal of their posters at the end of the conference on 28<sup>th</sup> April and the organizers will not be responsible for loss or damage of posters.

### **Poster Guidelines**

The poster competition emphasizes the ability to deliver visual presentations. Subject matter must be original research or work with an application in engineering. This could be laboratory work, computer simulation, a modeling project, or something similar. Regardless of the type of research/project, it's important that it represents new work, is unique to you and is not a review article in which you summarize the work of others. You can use a current research/project you are working on alone, an independent study project, or a project you are working on with others. Research and projects completed at university or during co-ops/internships are also eligible. Material must be able to be viewed by all conference

attendees and should not contain any company/institution proprietary information unless it has been cleared for public viewing by appropriate parties.

## Poster Scoring

REQUIREMENTS	POINTS AVAILABLE	POINTS EARNED
<i>Visual Presentation</i>		
<b>Organization:</b> Easy-to-follow flow of poster content to include – Introduction, Objectives, Approach, Results, Conclusion	10	
<b>Creativity:</b> Use of color, Variety of materials, Eye-catching	5	
<b>Clarity:</b> Not overcrowded, legible lettering, contrast between components and background, grammar, spelling	10	
<i>Technical Content</i>		
<b>Subject Matter:</b> Technical information clearly communicates to a professional audience; understandable to a variety of backgrounds	25	
<b>Contribution &amp; Applicability:</b> Research clearly indicates a contribution to the scientific community and the world as a whole: environmental, social, safety, health, state-of-the-art, industrial, etc.	10	
<b>Supporting Figures:</b> Graphs, Tables, Equations, Pictures, Schematics, etc. are clearly explained, including importance to the results, and appropriately referenced in the technical content.	15	
<b>Results &amp; Conclusions:</b> Results clearly gives status of the research; Conclusion is definitive, follows from results	15	
<b>Completeness:</b> Follows thought to a logical conclusion; Concepts as fully explained as possible	10	
<b>TOTAL</b>	<b>100</b>	

### *Helpful Hints for preparing your Poster:*

- Title, name of author(s), and school should be easily recognized and readable by reader.
- Do not use more than two font types. Use bold, italic, and font size to set type differently. Stick to one color scheme.
- Images must be high resolution. Photos should be enlarged enough to show relevant detail.
- Stay consistent with spaces between text, figures, and headings. Spacing in the poster should not be cramped.
- Words should be large enough to read from several feet away.
- Figures and graphs must have labels.
- A clear, simple, uncluttered arrangement is the most attractive and the easiest to read.
- Explain the underlying technology or implementation by means of diagrams, flowcharts, output, results, graphs, charts, measurements, methods considered, and methods used, etc. Clearly explain the implementation method. Your poster should not just illustrate high level idea.
- Have a colleague look at your poster to make sure it is easily understood without the presence of the author.