



2024 WE Local Munich Poster Competition

Overview

The Society of Women Engineers (SWE) invites university students pursuing undergraduate and postgraduate degrees in STEM fields to participate in the 2024 Poster Competition. This is an excellent opportunity for students to share their work, be recognized, and benefit from the educational and networking offerings of the WE Local Munich Conference.

Students will submit an overview of their present projects or research, which may include technical innovations or applications of technology of interest in relation, but not limited to,

- Technological innovations for sustainable development
- Advancement in technology to promote equality and inclusivity
- Innovations in technology to support humanitarian efforts

All interested participants are required to submit an online abstract for judging. Submissions must be original research, projects, or content. Submissions may be a project the applicant is working on alone, an independent study project, or a group project. Research and projects completed at university or during co-ops/internships are also eligible.

The poster competition emphasizes the ability to deliver visual presentations. 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. Plagiarism is strictly prohibited and will lead to disqualification.

Submissions are limited to one per person.

Review Process

All submissions will be reviewed by a panel of judges and the top abstracts will be notified by 16 March 2024 and invited to present their poster at the WE Local Munich conference. Upon selection, individuals will be provided with a digital poster template to develop their on-site visual display.

Individuals invited to present their poster at the conference will receive complementary conference entry to the full event and a 1-year SWE membership. Those who live outside of the Munich area will be eligible to receive a small stipend, up to 250 Euro, to support their participation.

Questions about the WE Local Munich Poster Competition can be directed to awards@swe.org.



STEP 1: Abstract Submission

Abstract Eligibility

Current Undergraduate or Graduate students are eligible to participate

Abstract Application

REQUIRED APPLICANT INFORMATION

- Applicant Name and Contact Information
- University/College Name and Contact Information
- Level – Undergraduate or Graduate
- Expected Date of Graduation
- Biography of the Applicant (limited to 150 words)
- Availability and Accessibility Information
- Demographics

REQUIRED ABSTRACT INFORMATION

- Title of Submission
- Author(s) Name – Acknowledge those who have participated significantly in the research/project
- Abstract (limited to 500 words)
- Track
 - Career Development
 - Diversity, Equity, Inclusion and Belonging
 - Technical Innovations
 - Self-Management & Strategic Leadership
- Research References

Abstract Guidelines

An abstract is a concise summary about the research or project being submitted for consideration for a poster presentation. 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

REQUIREMENTS	POINTS AVAILABLE	POINTS EARNED
Title: Clear and understandable, summarizes abstract, interesting.	10	
Context: 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	
Objectives: Hypothesis, intent of work, or problem statement. Answers “What is this work trying to show? What is being proven or implemented?”	20	
Methods & Results: Concise summary of experiments or project accomplishments. Summarizes key data. Answers “How was the work done? What happened?”	15	
Conclusions: Interpretation of outcomes. Gives context to how the work fits in the larger field.	20	
Overall: Submission is structured as an abstract. Clear communication style. Work is compelling, high quality, and rigorous.	20	

TOTAL	100	
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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.



STEP 2: On-Site Competition

Poster Eligibility

Selected abstracts will participate in the onsite competition at WE Local Munich on 25-26 April 2024.

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 A1.
- Posters should follow the SWE template provided. Posters will not be allowed to be displayed if the template is not used correctly as per the provided guidelines.
- 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 26 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>		
Organization: Easy-to-follow flow of poster content to include – Introduction, Objectives, Approach, Results, Conclusion	10	
Creativity: Use of color, Variety of materials, Eye-catching	5	
Clarity: Not overcrowded, legible lettering, contrast between components and background, grammar, spelling	10	
<i>Technical Content</i>		
Subject Matter: Technical information clearly communicates to a professional audience; understandable to a variety of backgrounds	25	
Contribution & Applicability: 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	

Supporting Figures: Graphs, Tables, Equations, Pictures, Schematics, etc. are clearly explained, including importance to the results, and appropriately referenced in the technical content.	15	
Results & Conclusions: Results clearly gives status of the research; Conclusion is definitive, follows from results	15	
Completeness: Follows thought to a logical conclusion; Concepts as fully explained as possible	10	
TOTAL	100	

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.