

AZeotropy 2019

Affiche – Problem Statement

Deadline for abstract submission: 11:59 pm, 4th February, 2019

Introduction

Research is the careful consideration of study regarding a particular concern or a problem using scientific methods. It is a systematic inquiry to describe, explain, predict and control the observed phenomenon. Research creates a path for generating new interesting questions. Our curiosity as human beings makes us ask these questions which nobody has ever thought of before. Ingenious thoughts along with immense efforts go into answering such questions, but the fruits it bears at the end are always sweet. Research lies at the forefront of every domain which drives technological advancements and helps in the evolution of newer paradigms in that field.

AZeotropy 2019 brings to you its poster making competition, Affiche which gives you an opportunity to showcase your research findings visually in the form of a poster to the professional community.

Objective

To submit an abstract of any research work that you had undertaken in the past as a project or as part of your internship under any guide/firm. If your abstract is shortlisted for the final event, you will be asked to design a poster for your research work that is to be presented at the symposium on the event day.

Research Topics

1. Process Systems Engineering
2. Electrochemical Engineering
3. Water Treatment
4. Molecular Thermodynamics and Kinetic Phenomena
5. Nanostructured materials and Polymer Chemistry
6. Catalysis and Sustainable Reaction Engineering
7. Complex Interface Science – Forces, Dynamics and Rheology



AZeotropy, Department of Chemical Engineering,
IIT Bombay, Powai-Mumbai-400076



www.azeotropy.org

Rules and Regulations

1. A maximum of **2 participants** are allowed per team.
2. Participants should **currently** be pursuing their **undergraduate studies**, of which at least one of them should be **majoring in Chemical Engineering**.
3. A participant can apply for **at most 2** mutually exclusive research projects.
4. Participants can submit the abstracts/posters of the research project under a **professor** or any research work done during an **internship** with due permission from the firm/guide.
5. If the research is performed by a group of students (with the same research topic under the same professor/guide), then **only one team** will be allowed for that project.
6. The teams should first register for Affiche and get a **unique Team ID** exclusive for the competition.
7. Plagiarism in any form or falsifying data will lead to **immediate disqualification** from the competition as well as any future poster presentation competitions organized by AZeotropy.
8. The problem statement available on the AZeotropy website will be considered for evaluation.
9. Any changes in the problem statement and updates regarding the competition will be notified to the registered participants via email.
10. The decision regarding the final selection of the teams rests with team AZeotropy 2019.

The competition will be held in two stages:

1. **Abstract Selection Round:** Each team must submit an abstract of their research work, based on which the teams will be shortlisted. Selected teams will then be asked to send a poster of their research work, and the teams will then be invited for the poster presentation round to be held during AZeotropy 2019 at IIT Bombay.
2. **Poster Presentation Round:** Shortlisted teams will be eligible to present their posters during the event day held at IIT Bombay.

PARTICIPATION PROCEDURE

- Participants will firstly have to get their **unique AZeo IDs** by filling the form on the link - <http://azeotropy.org/2019/azeoid/>.
- Then they will have to register for the Affiche competition by filling the form on the link - <http://azeotropy.org/2019/competitions/affiche>



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Abstract Submission Guidelines

It is **mandatory** for each team to upload an abstract of their research work in order to be eligible for the poster presentation round. Some guidelines for the same are -

1. Upload your abstracts with the file name as '**Affiche_<Team Name>.pdf**' on the online portal. Size of uploaded file must be **less than 1.5MB**.
2. Abstract submitted should not exceed the word limit of **500 words**.
3. Modified abstracts can be uploaded on the portal again, but the final abstract submitted before **4th February, 2019** will be considered for evaluation.

This abstract serves as your research proposal and must give a fair idea about the content you intend to present through the poster and the research work you have done. The following details must be included in the abstract.

1. Name of the team members, name of the Institute, the department majoring in, year of study, **Team Name for Affiche**.
2. The topic you have chosen (**From the above list**).
3. Objective of the research project (Title of the project).
4. Name of the Guide under whom the research project was done.
5. Name of the Institute/Firm where the research project was done.
6. Duration of the project (Along with the start and end dates).
7. Motivation for the research project and its applications in real life scenario.
8. Your contribution to the project (simulations, experiments, literature study, data analysis etc.)
9. Results and conclusions drawn from the research project.
10. A significant outcome of your research work, if any (A paper published/Detailed Report submitted etc.).
11. Awards received for the research work, if any.

Note: The abstracts **must** contain the above points. Further details may be added, as per the requirements of the team. Additionally, each team may also submit a **verification email or document** from the concerned firm/professor under whom the research was carried out. If submitted, it must be attached in the abstract.

*Kindly note that this will **enhance your chances of getting shortlisted** for the poster presentation round, although it is **not compulsory**.*

Applications will be shortlisted based on the abstracts. Shortlisted teams will be notified regarding their selection for the poster submission round. The decision concerning the selection of research proposals rests with team AZeotropy 2019. No further correspondence shall be entertained with respect to this.

Poster Making Guidelines

Shortlisted participants are advised to immediately start working on their poster. Based on the overall content and appearance, a few selected teams **would** be given the chance to present their poster to the **industrialists** and **professors** attending the symposium at IIT Bombay.



The poster submitted must allow you to present your research in a clear and concise format and must be self-explanatory. It must be academically sound, highlighting the context of your work, your methods and results. Here are a few guidelines which should be followed while making your poster:

1. Use a **good template**. A good template in one which is visually appealing and on which, the poster looks clear. (Make one if you can).
2. The maximum allotted space for each poster will be **48" x 36"** (Landscape Orientation). Hence, choose the dimensions of your poster template accordingly.
3. The **recommended size** of the template is **48" x 36"** (Landscape orientation) which is available in the PowerPoint file. You may use templates which fit in the allotted space. Posters will be scaled according to the templates used and then printed; it is **not mandatory** for the poster to occupy the maximum space allotted.
4. It is advised to first make a report of your research. It should be a rough guideline like a journal, and must contain the following:
 - i. Title
 - ii. Collaborators (including yourself) and their institutional affiliations
 - iii. Abstract
 - iv. Materials, Approach, Process/Methods
 - v. Observations, Results and Conclusions
 - vi. Future Directions, especially if the work is in progress.
 - vii. Credits/Acknowledgements
 - viii. Contact Information
5. Get your poster verified from the **professor/guide** you did the research with.
6. Kindly refer to the **sample posters** provided on the website.
7. The poster must be **appealing** and **readable** from about 4-6 feet away.

Additional Tips

1. The topic should be written at the top and must be clearly visible.
2. Selectively incorporate charts, graphs and visual representations that support your poster and provide them with appropriate labels.
3. Avoid using tables of data
4. Do not clutter your poster with long, dense paragraphs of text.

Only selected posters based on our judgement of overall appeal will be selected and **displayed in the conference hall area**.

The selected entries of the posters will be duly notified. The decision regarding selection of posters rests with team AZeotropy 2019. No correspondence will be entertained with respect to this.

You must send your posters in **PDF or JPEG Format** only. Files submitted in any other format will not be accepted.

Please send your poster to alind@azeotropy.org

Subject of the mail: Affiche (Poster), AZeotropy 2019, "Team Name"

The posters will be printed by team **AZeotropy 2019**.

Deadline for the poster submission is till **11:59 pm, 25th February, 2019**.



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Judging Criteria

Based on the following judging criteria, selected teams will be judged on the event day:

1. Visual Presentation – 30%

1. Organization – 20%

- Introduction, Objectives, Approach, Results and Conclusions

2. Clarity – 10%

- Not overcrowded, legible lettering, contrast.

2. Technical Content – 70%

1. Subject Matter – 10%

2. Contribution to the research – 20%

3. Information – 15%

4. Conclusions – 10%

5. Applicability – 15%

The judging criteria and specifications may be subject to changes until the event day. Team AZeotropy holds the right to do the same. Final decision making authority lies with Team AZeotropy, IIT Bombay.

Certificate Policy

1. **Top 3** teams will be awarded with **Certificates** and **Cash Prizes**.
2. Each team presenting their poster on the event day will be awarded with a **Certificate of Participation**.

Contact Information

For any queries regarding the Problem Statement or registrations, contact:

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