

AIChE Mid-South Local Section 2019 Student Contest Rules

Teams

- Each invited university may sponsor two teams.
- Each team may consist of up to 3 students.
- Each student team member shall be a Senior, on track for graduation before the end of 2019.
- Teams may bring any reasonable tools (books, calculators, computers, paper, pencils/pens, presentation tools, etc. that they can carry in one trip) to help solve the problem and present their solution.

Contest Process

- Teams will be presented with a written and verbal presentation of the problem statement.
- Teams will be given 5 minutes to review the problem statement and develop a list of clarifying questions.
- There will be a 5-minute common question and answer period, during which teams will be allowed to ask up to 2 clarifying questions.
- During the clarification period, teams will ask questions in an order determined by a random method
- After the clarification period, teams will be provided a 20-minute period to develop a solution.
- After the 20-minute solution-development period, teams will each have 5 minutes to present their solution.
- After each presentation, there will be an up-to 5-minute period where judges and audience members may ask questions. Questions from the judges will take priority. The judges will approve questions from the floor prior to the student teams answering, and the judges reserve the right to stop any questioning as they see fit.
- The order of presentations shall be the reverse of the order for the clarifying questions.
- During the solution presentation period, no additional problem-solving discussion will be allowed amongst the non-presenting teams.

Judging

- Judges shall consist of AIChE Mid-South Local Section Administrative Board Members or their designees present at the presentation of contest solutions.
- No AIChE Mid-South Local Section Administrative Board Member or designee with any affiliation with any of the competing universities shall be permitted to be a judge.
- Judging will be completed during a 15-minute period after the last presentation.
- Judging will be based on the following criteria.
 - Thoroughness in addressing the problem
 - Technical Accuracy
 - Degree of Process Safety
 - Overall Cost (implementation and operation)
 - Degree of Simplicity
 - Overall Creativity
 - Presentation effectiveness
 - Judge's "Other" Factor
- The judges' decision will be final.

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Prizes

- Prize money will be awarded from the AIChE Mid-South Local Section to the top three competing teams.
 - First place = \$400, awarded to the team
 - Second place = \$300, awarded to the team
 - Third place = \$200, awarded to the team