

AIChE Mid-South Local Section 2017 Student Contest Rules

Teams

- Each invited university may sponsor one team.
- Each team may consist of up to 5 students.
- Each student team member shall be a Senior, on track for graduation before the end of 2017.
- 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 10-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 prior roll of dice
 - Team 1: 1-2; Team 2: 3-4; Team 3 5-6
 - First team “rolled” will have choice of question order, 1st 2nd or 3rd.
 - Second team rolled will have choice of remaining two orders.
 - Third team will take remaining order.
- After the clarification period, teams will be provided a 15-minute period to develop a solution.
- After the 15-minute solution-development period, teams will each have 5 minutes to present their solution, followed by an up-to 5-minute period where judges may ask questions.
- 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