

ACERS NEXT TOP DEMO SCORING RUBRIC AND RULES

SUMMARY OF ACTIVITY

ACerS PCSA is hosting a demonstration competition for graduate and undergraduate individuals or materials science student groups (MA or Keramos chapters, etc.). Students will make a video of themselves performing/giving ceramics and glass focused outreach demonstrations. A short proposal and summary explaining the demonstration will need to be submitted along with the video. These demonstrations can be new or old and can focus on different age groups, but please specify the intended audience in the outline and abstract. The PCSA Programming committee will judge the submissions based on a list of predetermined criteria and provide the winners with an award at the following Materials Science and Technology Conference (MS&T) as well as a cash prize.

SUBMISSION GUIDELINES

- TITLE OF THE DEMONSTRATION
- PARTICIPATING TEAM MEMBERS
- CONTACT PERSON - EMAIL AND PHONE NUMBER
- UNIVERSITY DETAILS - NAME AND DEPARTMENT
- WRITTEN PROPOSAL FOR THE DEMO - 1 PAGE
- 1080P VIDEO OF THE DEMO - SEVEN MINUTES MAXIMUM

IMPORTANT DATES

- JANUARY 6, 2018 - SUBMISSION OPENING
- APRIL 27, 2018 - SUBMISSION CLOSING
- JUNE 1, 2018 - ANNOUNCEMENT OF THE WINNERS
- OCTOBER, 16, 2018 - MS&T AWARDS CEREMONY AND PRESENTATION OF THE FINALIST

GRADING CATEGORIES

The following categories will be used to grade the submitted demonstration videos. The top three demos that have the highest overall score will be selected as the winner. We are looking for demo presentations that do well in all categories not just one.

Clarity: How well do the presenter/s communicate. This can range from body language to how well the presentation flows. You can edit your video for cinematic effect, but remember you may be presenting these in person later on.

Explanation: How well does the presenter/s address the selected audience? Can they take a high level scientific concept and explain it to someone with a minimal background i.e. children? Use analogies or subtitles if needed!

Time Limit: Does your demo video fit within the 7 minute time limit? A 30 minute demonstration is not the most effective way to convey your message.

Creativity: Is your demonstration unique? Can you take a common demonstration and jazz it up? Is it different than what we typically see?

Fun factor: Is the demo fun? Does it get children, students, even adults excited about science? Put on a show for us, we are looking for that wow factor that grabs the audience's attention. You do not want to make this look like a boring lab demonstration from the 1980's on how to clean glassware.

Impact: Is the scientific concept cutting edge and/or new? Does this demo have the ability to convey the message that "engineering and science is cool and for everyone" to young students?

Safety: Being scientists and engineers, we all know how important safety is. Make sure that you are using the proper protective gear when filming/performing your demo. Everyone should get the total points here, but if something looks unsafe, points may be taken away or your team may be disqualified. We do not want people to get hurt during the making, presenting, or watching of these demos.