ASME Environmental Systems Division
COMPETITION FOR COLLEGE STUDENTS AND EARLY CAREER PROFESSIONALS
2021 RULES for E-Fest Digital

ATTENTION E-FESTERS! Please read this important announcement about ASME E-Fests® in 2021

ASME is excited to host a second E-Fest Digital on April 24, 2021. E-Fest Digital will include career and professional development content, digital competitions (including the Human Powered Vehicle Challenge, the Student Design Competition, the Innovative Additive Manufacturing 3D Competition, the Oral Competition, the Environmental Systems Division Oral Competition and the Elevator Pitch Competition) and much more! Questions may be directed to efests@asme.org.

We encourage students, competitors, and faculty members to take advantage of the learning experiences provided by both our competitions and other digital offerings throughout the year. Questions may be directed to efests@asme.org and a digital calendar is posted on https://www.asme.org/conferences-events/events (sort by audience type students/early career engineer) with lots of information.

All ASME conferences, meetings and events scheduled through December 2021 are being planned as virtual only, enabling everyone to enjoy the full benefits of participation via our virtual event solutions with no physical presence required. ASME will not have any physical or in-person events during this time but will continue to deliver the insights and expertise that our community depends upon. For more information about ASME's virtual approach to events and meetings, visit https://www.asme.org/anywhere.

Students are encouraged to download E-Fest competitions rules at https://efests.asme.org/competitions for our 2021 Digital events.

Additionally, ASME will be hosting a series of year-long digital events including a Student & Early Career Town Hall (Feb. 4, 12:00 pm – 1:15 pm EST), webinars and other competitions. Please visit http://efests.asme.org for more details.

ESD Competition Rules

Please read and follow all information below to create a valid entry for the competition.

Description:
The ASME Environmental Systems Division (ESD) is sponsoring a NEW Student and Early Career Environmental Competition to encourage young people's interest in the American Society of Mechanical Engineers (ASME), the environment, environmental engineering, and the ESD.

The competition aims to encourage students and early career engineers involvement in technical, management, and policy-making issues related to the environment.

Participation and Topics:
The competition is divided into and is open to three groups:

GROUP NO.	GROUP	MEMBERS
I	Undergraduate Students	Individuals or a team of students at the same institution
II	Graduate Students	Individuals or a team of students at the same institution
III	Early Career	Engineers who have graduated 10 years before the competition date

Round 1 will be an abstract submission, reviewed by a panel of judges. Ten (10) abstracts per Group will be invited to submit a short video presentation focusing on the details of the abstract submitted as part of Round 2. Videos will be reviewed by a panel of judges and five (5) videos per Group will then be selected to participate in a FINAL LIVE (via Zoom) Round 3 of judging.

The submitted entries shall be the original work and ideas of the participants with appropriate references and credits given. All video submissions must be accompanied by a signed and dated video release form by EACH individual/team member.

Competition Format and Rules:

ROUND 1: 200-300 WORD ABSTRACT

- ONE entry shall be accepted per individual or on behalf of a team of two members. The submission shall be a 200-300 words (excluding citations, footnotes). The ESD will accept a maximum of 75 abstracts per Group.
- The abstract submitted by each individual or team shall address the below-mentioned topics and focus areas relative to a Group, pertaining to some sphere in which an engineer is or can be involved.

GROUP NO.	GROUP/LEVEL	TOPICS	FOCUS AREAS
I	Undergraduate Students	Waste to Energy	Technical Solutions to Environmental Problems
II	Graduate Students	Clean Energy Technologies & Systems	Technical Solutions to Environmental Problems and Environmental & Sustainable Management
III	Early Career	Environmental Remediation & Restoration	Environmental Management and Policy Making Aspects

- Abstract submission due by January 10, 2021 11:59pm EST
- Submit abstracts via email to esd@asme.org with the subject line: ESD Competition <GROUP NUMBER/GROUP NAME> Abstract <YOUR NAME or YOUR TEAM NAME>
- Abstracts must be submitted as a PDF file
- The body of your email should include your name/team and member names, institution or company name, city, country, contact email, and contact phone number.

ROUND 2 SEMI-FINAL VIDEO

- If selected in the semi-final round, a 7-10 minute video will be required by February 26, 2021 11:59pm EST. Any updates will be posted on the E-Fest website. https://efests.asme.org/competitions
- Videos will be judged by a panel of judges.
- The content of the video should include an elaboration of the abstract submitted and the details of the idea supported by research and data. It can include illustrations (graphs, charts, PowerPoint presentation, self demonstration, voiceover etc.)

Video Recording Guidelines:

- All videos need to be shot Landscape (to avoid black vertical bars along both sides of your video)
- Do not use digital zoom
- Have a proper light source like light daylight and/or flash.
- Avoid backlit settings
- Speak as clearly as possible & eliminate/limit background noise
- Avoid time lapse or time-lapse photography
- Simple editing like basic trimming and transitions are OK.
- No Effects/no Effect Filter apps like Snapchat
- Absolutely **NO** music or anything you do not own the rights to should be included
- Competitors must present in English

Video Submission Guidelines:

- Send a download link to your Google (or equivalent) drive to esd@asme.org with the subject line <ESD Competition –GROUP NUMBER/GROUP NAME, YOUR PRESENTATION NAME>.
- The body of your email should include your name/team and member names, institution or company name, city, country, contact email, and contact phone number.
- Video(s) must be submitted by February last week and in H264 .MP4 File of 15MB.
- ALL SUBMISSIONS MUST INCLUDE A SIGNED and DATED SPEAKER RELEASE FORM BY EACH INDIVIDUAL/TEAM MEMBER along with the submission (form will be provided once selected to compete in Round 2)

ROUND 3 FINALS LIVE PITCH SESSION VIA ZOOM

- If selected to the final round, a LIVE 5 minute presentation will be required via a Zoom call with a panel of judges during ASME E-Fest Digital on April 24, 2021. Further details will be posted on the E-Fest website. https://efests.asme.org/competitions
- The final presentation should be a culmination of WHY your topic is important in the world of engineering and the environment today – the environmental impacts associated with it, its practical viability, and the inventiveness.
- Competitors must present in English
- ONE person will be allowed to present as an individual or on behalf of a team for the final round
- NO props, videos, PowerPoints, etc. allowed. This will be an ORAL presentation ONLY on the original selected topic. However, the participant can use data, images or chart
- Free registration for the ASME E-Fest Digital is required to compete in the finals.

Judging criteria:

ROUND 1 (ABSTRACT REVIEW): The abstracts will be scored from 1-10 (10 being perfect, 5-6 moderate and 1-rejected) on the following criteria:

- Pertinence of the topic in the focus area of the respective group.
- Inventiveness and originality of the idea.
- Does the abstract sound well-researched and sensible?

ROUND 2 (VIDEO REVIEW): The judges will score each video from 1-10 on the criteria below: (Criteria of Round 1 can be considered as well)

- How well is the topic explained? Is it relevant to the engineering sector and the focus area?
- Is it delineated well with substantial background research and conclusion?
- Does the idea/topic sound feasible and practical?

ROUND 3 (LIVE PITCH SESSION): Judges will score on the scale of 1-5 (5 being the highest) on the following criteria:

- The importance of the presentation in the field of engineering
- Does the team have clarity of the vision associated with their work?
- Does their work have intellectual lucidity?
- Their ability to answer the questions in Q&A
- Clear, concise presentation

After every round, the judges' scores will be tallied, and the highest scorers will be selected for the next round. In case of a tie, judges will cast a vote as a tie-breaker. The opinions and ratings of the judges are theirs and are not subject to review or challenge.

Prizes:

- Top three positions from each group (undergrad, grad and early-career) will be awarded with cash prizes and ASME affiliated certificates.
- Cash prizes of $250, $150, and $100 shall be awarded to the 1st, 2nd and 3rd position holders respectively.

Questions:

Please contact esd@asme.org