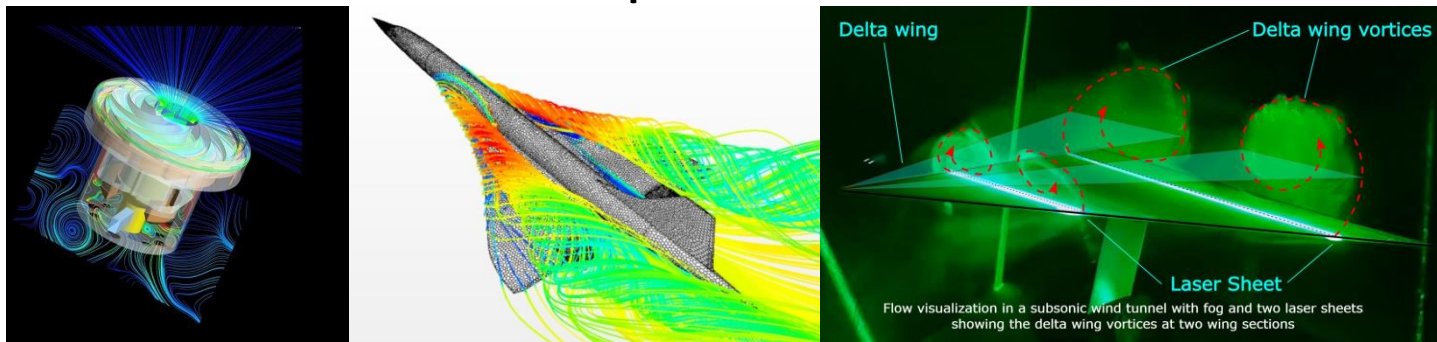


The American Society of Mechanical Engineers

FEDSM 2025

Track 12 - Flow Visualization Competition



Flow visualization has a long tradition in fluids engineering, from Leonardo Da Vinci's sketches of flowing water, through well-publicized images of canonical flows in many facilities over the past century, to the modern-day quantitative flow visualization techniques in experimental and computational fluid dynamics. While the capabilities of the technology and techniques at our disposal have increased greatly, the challenge remains to process and represent data in the most meaningful way, to help gain physical insight that will lead to progress in the field.

2025 Flow Visualization Competition Categories

The ASME Fluids Engineering Division is soliciting submissions to its Flow Visualization Competition. The competition has two categories:

- **Flow Visualization Images (Track 12–Topic 1)** for still images or computer-generated images for flow visualization.
- **Flow Visualization Video (Track 12–Topic 2)** for videos of fluid flow either experimental or computer generated.

Experimental and computational entries are accepted to each category.

Entry Requirements for the Flow Visualization Contest

1. Please log-in and submit a short 300-word abstract/summary describing the image or video and how they were obtained.
 - a. Submit to one of the two categories: (Track 12–Topic 1) for Images or (Track 12–Topic 2) for Videos.
 - b. **THE DEADLINE TO SUBMIT YOUR ABSTRACTS IS 11:59 PM ET on April 7, 2025.**

Once the abstract is accepted, you will receive a notification and be required to log back in and upload your image or video submission. **Deadline to submit FINAL Image or Videos is MAY 19, 2025.**

- c. **Video specifications:** Suggested length 2 minutes (120 seconds) and not to exceed 4 minutes, preferred high-definition recording UHD (3840x2160), QHD (2560x1440) or FHD (1920x1080), also acceptable is 720p. Video format: *.mp4 or *.mov. **The size of the video should not exceed 1 GB.**

All files for judging should be named with the same root name.

For videos:

"FEDSM2025-XXXXX-video-YourlastName-summary.pdf",

"FEDSM2025-XXXXX-video-YourlastName.mp4", etc.

For images:

"FEDSM2025-XXXXX-image-YourlastName-summary.pdf".

"FEDSM2025-XXXXX-image-YourlastName-image.pdf".

If there are multiple authors, add "et.al" after the first author's last name.

Competition and Awards

A FED panel will select outstanding entries, based on: (1) visual appeal of the images or video, (2) originality of the work, (3) effort and difficulty in obtaining the results, and (4) quality of the description of the flow visualization and physical insight.

The best three entries in each category will receive an award certificate. Competition participants must be present at FEDSM2025 awards ceremony to collect the certificate.