

2018 E-Fest IAM3D C.A.D. Battle rules

The 2018 E-Fest C.A.D. battle hosted by the ASME IAM3D team is an epic showdown of C.A.D. design skills. Each person will have one hour (time may vary) to create a C.A.D. file using the provided subject, their imagination, and mastery of C.A.D. skills. After the design period is completed a judge(s) will score the designs based on C.A.D. skills, level of difficulty, creativity, and printability if the design were to be made using a F.D.M. style printer with P.L.A. material.

Eligibility

Every participant must be a student who is enrolled as an undergraduate in a baccalaureate or associate engineering/engineering technology degree program during the present academic year all competitors agree to abide by the ASME Engineering Code of Ethics. Depending on location attendance caps may be leveled with a first come first serve basis.

Hardware

All participants are expected to provide their own computer and peripherals to use during the battle. Some events may choose to offer the use of facility computers and software but it should not be expected.

Software

Any free or legally obtained C.A.D. software will be allowed for battle use. Please insure that any software that you intend to use is properly installed, updated, and ready for use before the battle starts. To receive the first prize printed object, your chosen battle software must have the ability to export as a .stl file for submission.

Subject

Directly before the battle timer starts the subject that everyone will design will be announced.

Design

The design can contain multiple parts but the final submission shall be an exploded view assembly which must be finished within the allotted time frame.

Originality

Original work only. No previously completed work. Design plagiarism, or use of previously created designs of any kind will be grounds for disqualification.

Judging

Judges will critique designs for their C.A.D. skills, level of difficulty, creativity, and printability if the design were to be made using a F.D.M. style printer with P.L.A. material.

Prizes

First Place – \$250 cash prize, 3D Printed ASME trophy and the winders design will be 3D Printed and shipped to the winner (May not be to scale).

Second Place – \$150 cash prize, and a 3D Printed ASME trophy

Third Place - \$75 cash prize, and a 3D printed ASME trophy

*All submitted designs and files will be considered as property of ASME and may be used for advertisement purposes.