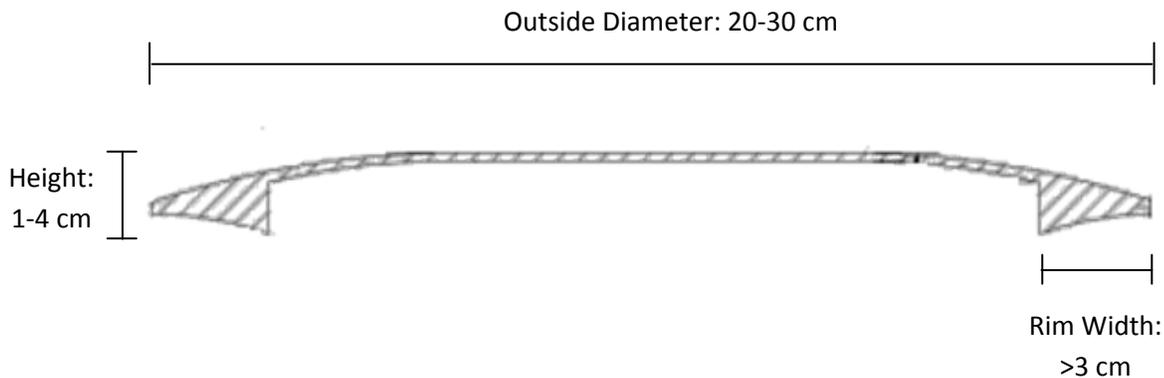


## CERAMIC DISC GOLF CONTEST

### PURPOSE:

The purpose of the Ceramic Disc Golf contest is to promote spirited and collegial competition among students by demonstrating their prowess in manufacturing ceramic discs possessing high strength and mechanical reliability. The contest is organized by Keramos.

### RULES:



1. All student members of Material Advantage are eligible to participate; entrants DO NOT have to be members of Keramos. All work on the discs must be performed by students; Faculty members and non-students may only advise.
2. Each Institution may submit up to four discs for judging.
3. One disc per person
4. Discs must be made entirely from ceramic or glass materials, and may not contain any metal, plastic, paint, organics, or non-ceramic materials.
5. No commercially made parts may be incorporated in the discs, to include rods or pre-woven fiber mats. Raw materials such as powders, liquid precursors, chemicals, and fibers are permissible to purchase and use to fabricate a disc; however, any woven textile fiber architecture created so as to reinforce the disc must have been fabricated by the students and not purchased.
6. Discs are to be saucer-like in shape with an outside diameter between 20-30 cm, a height of 1-4 cm, and a rim width greater than 3 cm. See the above diagram for details.
7. Discs can be enameled or glazed, but cannot be painted or coated after final firing.
8. Discs must be fired or formed at a temperature of 1000°C or higher. No parts may be glued or tied on after firing.
9. No poisonous or toxic materials, e.g., arsenic, are to be incorporated into the discs. Contestants are expected to follow standard safety practices in place at their university.
10. The year of the contest must be inscribed (or glazed) into the surface of the disc. No paint or marker etc.
11. Only discs made during the current calendar year may be used.
12. Prizes will be given to the winning individual (see below) and the contestant with the most aesthetically pleasing disc.

#### JUDGING:

1. The judges of the contest will consist of at least 2 members of the Keramos National Board of Directors
2. Each disc will be judged in the categories of furthest distance made and artistic merit (aesthetics). The disc that was successfully thrown into the disc golf hole from the farthest distance in the least amount of shots will be named winner of the Ceramic Disc Golf Contest and the most aesthetically pleasing/creative disc will be recorded as the “Best Looking” disc.
3. Before the competition, each disc must be tested to ensure that it is within the appropriate size restrictions
4. Discs will be thrown in alphabetical order by institution name at each distance.
5. The competition will be performed as follows:
  - Shots shall be taken from one meter increments until all of the competitors fail to make the shot or until all of the discs are broken. No passing on throws will be allowed. The maximum distance will be 9 meters.
  - Three attempts at each distance will be given to make the shot
  - The student that makes a throw from the farthest distance away with the least amount of shots accumulated will be the winner and awarded a prize
  - If the disc breaks, the students score will be the last made distance. The disc will be considered broken if it can pass through the minimum diameter hole (20 cm). Judges may also choose to make their own evaluation of whether the disc is broken or otherwise unsafe to throw.

#### PRIZES:

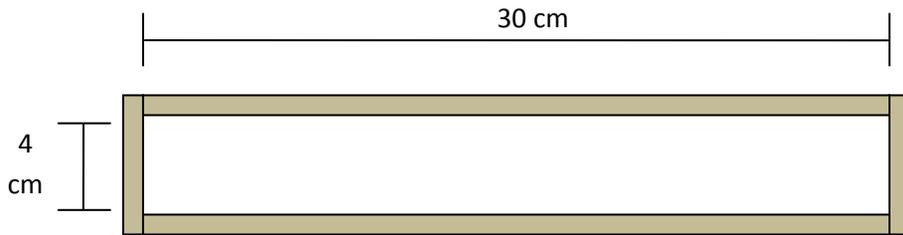
1. The “Winning Disc” shall receive a \$100 award and a trophy
2. The “Best Looking Disc” shall receive a \$100 award; this prize is awarded at the discretion of the judges and may not be awarded every year.

#### CONTEST ADMINISTRATION:

1. The contest will be held during the MS&T conference each fall.
2. Please register your intent to compete no later than one week before the meeting by contacting the Keramos National Vice President (see <http://materialadvantage.org/financial-opportunities/contests>)
3. Winners will be announced in the Keragram and forever recorded in the Keramos Record book; pictures of the winners are often included in the ACerS *Bulletin* as well as the other Material Advantage Partner Society publications.

APPENDIX:

A box will be made to test the discs (see diagram below). The inside of the box will be 30 cm wide (the max width) and 4 cm tall (the max height). The disc must be able to slide inside of the box. A second box will be made with the inside dimensions of 20 cm wide (the minimum width) and 4 cm tall. The disc must not be able to fit inside the box or else it is under the minimum width requirement. This second box will also serve as the way to determine if the disc is too broken to throw. A third box can also be made that has the inside dimensions of 30 cm wide and 1 cm tall (the minimum height) in order to make sure that the disc meets the minimum height requirement. A pair of calipers should be used to check the rim width.



Example of box 1

