

INTERNATIONAL BRIDGE COMPETITION 2016

Among Engineering Schools in the US, Colombia, Mexico, Turkey and Japan

Photo by N. Hanai



USA: Dec. 9th (Fri.)
 9:30 am PST / 10:30 am MST
 11:30 am CST / 12:30 pm EST
COL: Dec. 9th (Fri.) 12:30 pm
MEX: Dec. 9th (Fri.) 11:30 am CST
TUR: Dec. 9th (Fri.) 7:30 pm
JPN: Dec. 10th (Sat.) 2:30 am

1st Prize: Gold Medal & ¥50,000
 2nd Prize: Silver Medal & ¥30,000
 3rd Prize: Bronze Medal & ¥20,000
 Sponsored by
Yahagi Construction Co., Ltd.

Rules

- The bridge shall be constructed with any type of vegetable-derived material and any type glue. Paper, paper string, cotton, painters tape, masking tape, etc. can be used as long as it can be shown the material was derived from pulp, cellulose or wood. Wood itself is not allowed.
- The competition is open to any University, which will compete with only one bridge.
- The bridge shall span between two smooth tables with same heights set apart 1 m from each other. The bridge shall be in contact only with the top of the tables. At midspan, any part of the bridge shall be higher than 20 cm *before* loading.
- The weight of the bridge shall not exceed 100 g.
- The load shall be placed at the bridge midspan via a series of discrete weights hanging from a loading mechanism. The load mechanism consists of a plastic string and a hook or similar. The weight of the loading mechanism will be counted as part of the applied load and not as part of the weight of the bridge.
- Testing will be conducted in two rounds. In the first round the applied load shall be anywhere in the 2 to 3 kgf range. To pass the first round, the bridge shall resist the suspended load for 10 seconds without collapsing. In the second round, the load will be applied in a series of discrete increments. The load increment shall not be less than 0.2 kgf. Before moving to the next increment, the bridge shall resist the applied load for 10 seconds without collapsing.

