

## Engineers Day Competition 2017

### Introduction:

The Society of Hispanic Professional Engineers, SHPE at UTK, wishes to invite you to participate in our first 'Balloon-Powered Car' competition as part of Engineer's Day 2017 in The University of Tennessee, Knoxville. There will be a limit to 15 teams; please respond as quickly as you can to confirm your attendance. There will be awards and certificates for the top three (3) places. Each team will be limited to 5 students. Schools may register more than one team, but the first team of each school will be given registration priority to ensure representation from more schools. If 15 different schools are not registered by ED, then a second team from a participating school can enter the competition.

### Instructions:

Design and assemble a balloon-powered car with given supplies and limited time. The balloon-powered car must be able to travel in a line on its own without any additional help from the group members or objects not provided.

In engineering, you must be able to work in a team to complete a project while considering the time constraint, structural design, and performance. On Engineers Day, your team will be given a limited set of materials to make the balloon-powered car and given 30 minutes to complete. The limited materials that will be provided are limited popsicle sticks, limited straws, 2 dowels, 2 wheels, and tape. Once the balloon-powered cars are built, the cars will race in groups of five to a predestined finish line. The balloon-powered cars that finished first in each round will have a final race, from which the first, second, and third place cars will be determined.

While the balloon-powered car will be built on Engineers Day, students are encouraged to look for possible design options ahead of time.

### Contact:

Please, send emails directly to Laura Ferrer, [lferrer1@vols.utk.edu](mailto:lferrer1@vols.utk.edu) We look forward to seeing you at UT on Engineer's Day 2017! Thank you!