

Engineering Design Challenge I

Who Leads on Water?

Challenge Overview

Short Description

The challenge is to design and build small autonomous boats that can do certain tasks. Boats compete with each other in terms of speed, accuracy, and ability to carry along additional cargo units.

Eligibility

Teams of 2 to 5 members of university or school students can be part of the challenge. Teams are recommended, but not required, to have an advisor.

Time & Location

The challenge will take place on Saturday, April 16, 2016 at the Charles Hostler Student Center pool, in the American University of Beirut.

Judging

- **On-challenge-day Performance (60%):**

60% of the total points will be given based on the boat's performance on the field on the challenge day, according to a pre-defined scoring criteria.

- **Technical Assessment (40%):**

The remaining 40% will be based on design evaluation executed by a team of judges from different universities, according to pre-defined judging rubrics.

Awards

Monetary awards will be given to the overall champion and runner-up. More awards and titles will be granted for teams that demonstrate proficiency in certain aspects.