



# Kick-Off Meeting

Thursday September 3, 2015

Sponsored by

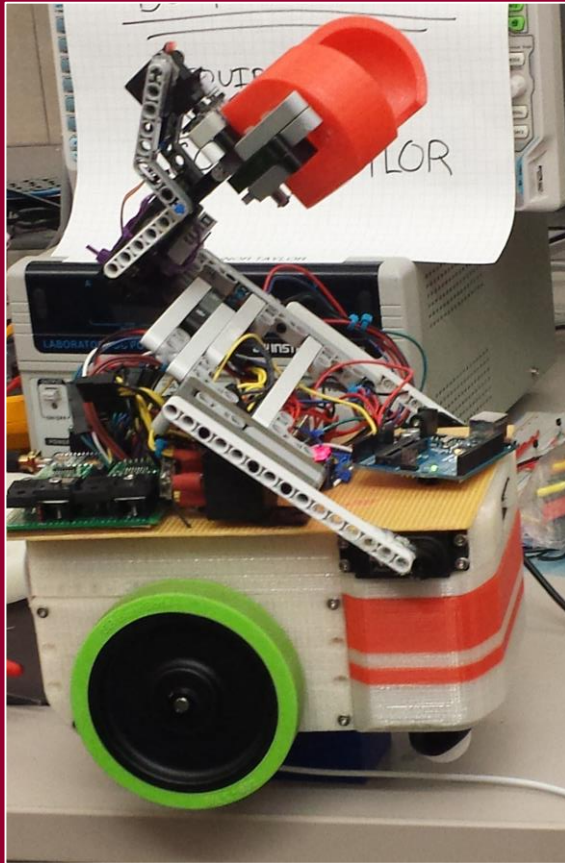


# What Is SCR?

- Umbrella organization for robotics competition teams
- Leadership structure:
  - Each team has its own captain, leads, and members
  - SCR has a President, VP, Secretary, Treasurer, and a number of Technical Advisors
- SCR provides:
  - Technical and managerial experience
  - Resource management
    - Financial & Human
  - Central hub



# Our Teams



- SCR houses 4 competition teams:
  - **ASEE**, a freshman and sophomore only autonomous robot competition
  - **Mercury**, a teleoperated robot competition held by OSU and open to anyone
  - **IEEE**, an autonomous robot competition open to all undergraduates
  - **KIPR**, an annual robotics competition open to anyone
- We are looking into starting a VEX U team, provided we acquire the funds for it.

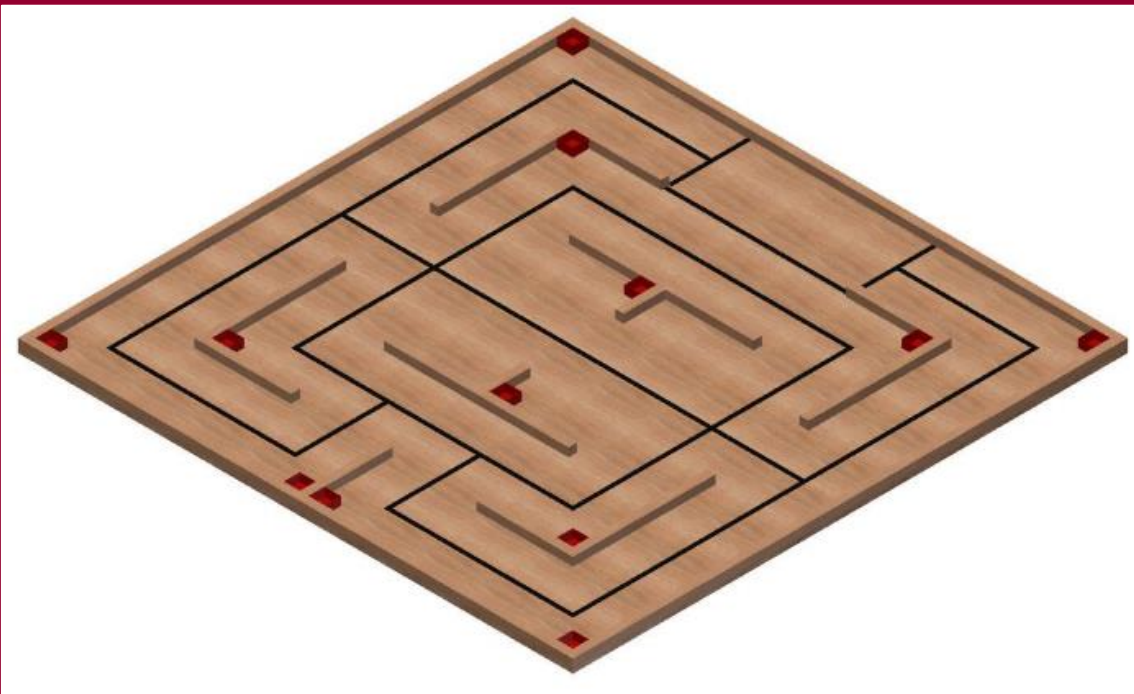
# What is it like to be on a team?

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- Each team may have a single Captain or a Lead Engineer and Project Manager acting as head of that team
- Teams are generally divided into three sub teams: Electrical, Mechanical, and Software, each with their own team lead
- Teams will generally meet once a week for 1-1.5 hrs in the Fall and may meet more often in the Spring as competition nears
- No experience necessary

# ASEE 2016 Challenge

**Objective:** To design and build an autonomous robot that can deposit one ring in each of 12 boxes located along the “parade route” on the track.



Date and Location:

- Monday, June 27<sup>th</sup>, 2016
- New Orleans, LA
- Open to freshmen and sophomores only



# IEEE 2016 Challenge

**Objective:** To design and build an autonomous robot that can successfully navigate a course while completing various objectives that deal with computer vision and mobile manipulation

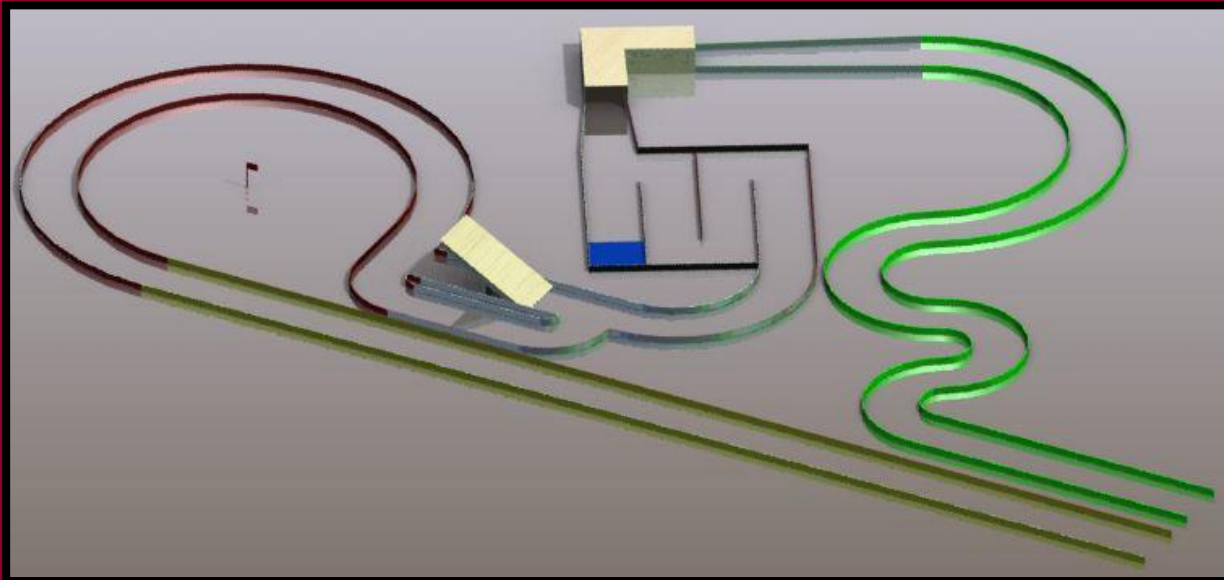


Date and Location:

- Saturday April 9<sup>th</sup>, 2016
- Kansas City, MO
- Open to undergraduates only

# Mercury 2016 Challenge

Objective: To design and build a teleoperated robot that can navigate successfully through a number of obstacles such as picking up a payload and successfully carrying it through the course to the delivery zone, and climbing up a See-Saw structure without dropping the payload or damaging the robot.

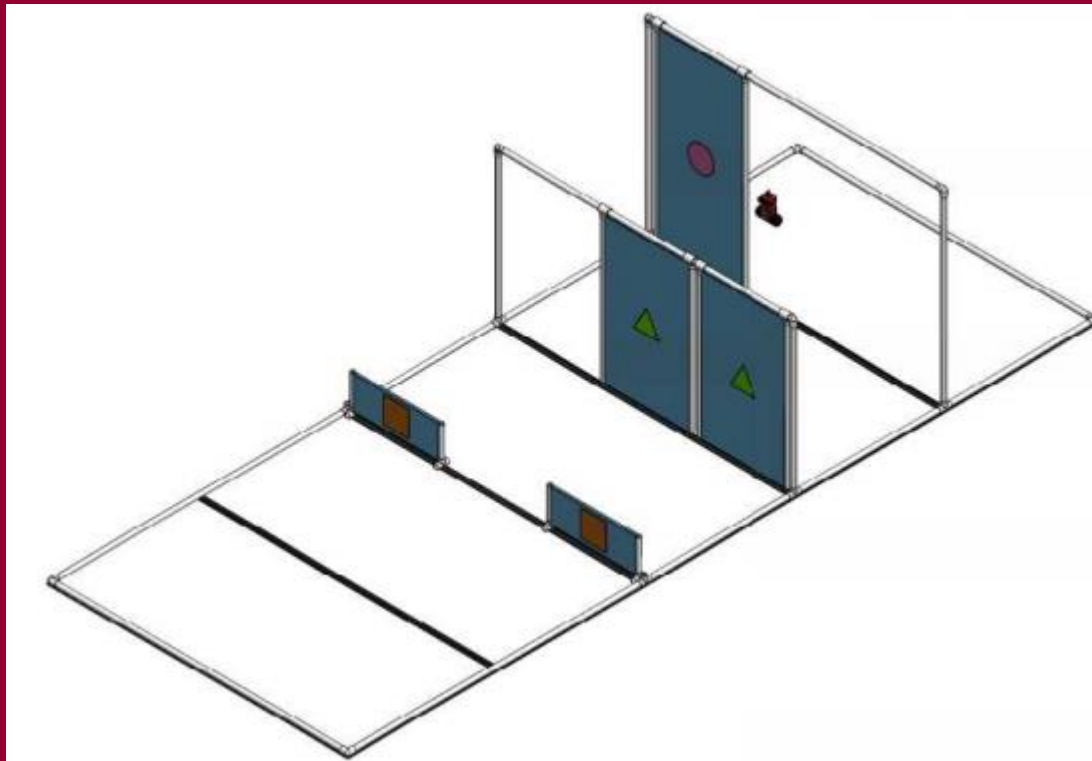


Date and Location:

- Saturday, April 16, 2016
- Stillwater, OK
- Open to anyone

# KIPR 2016 Challenge

**Objective:** Botball style ground and aerial based competitions



Date and Location:

- July 6-10, 2016
- St. Augustine, FL
- KIPR Open – open to anyone
- KIPR Aerial – open to high school and college students

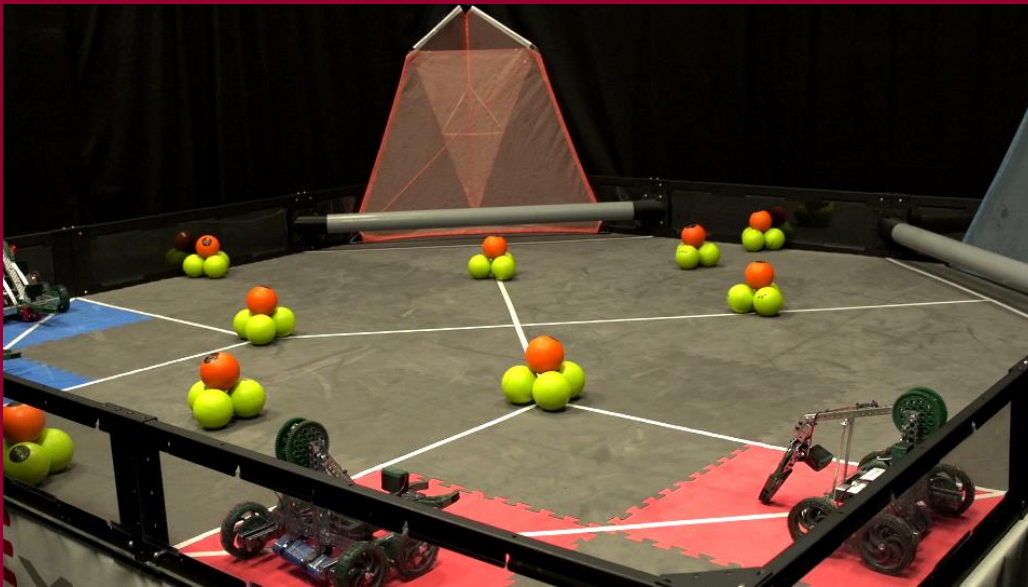


# VEX U 2016 Challenge

**Objective:** To design and build two teleoperated and autonomous robots that can successfully complete a skills based challenge.

Dates and Location:

- Numerous dates throughout 2016
- Tournament
  - I. League City, Texas
  - II. Louisville, Kentucky (worlds champ.)
- Skills challenge
  - I. Houston, Texas
  - II. Lawton, Oklahoma
- Open to all college students



For more information...

Email: [scr@ou.edu](mailto:scr@ou.edu)

Website: [ou.edu/scr](http://ou.edu/scr)