Rose-Hulman Robotics Team
Rose-Hulman Institute of Technology, Terre Haute IN, USA
Distance to International Event: 900 miles

About the Team:
The Robotics Team at the Rose-Hulman Institute of Technology is a student-led extracurricular group dedicated to exploring a diverse array of robotics applications. Other projects include battle-bots and networked quadcopters. 2015-2016 is the fifth year we have built a remotely-operated underwater vehicle. We are grateful to Rockwell-Collins for continued sponsorship and support.

Team Members:

- Joe Schornak
  Senior
  Mechanical Engineering
  Team President

- Samuel Lawrence
  Junior
  Computer Engineering
  ROV project manager

- Peter Heath
  Senior
  Mechanical Engineering

- Nathan Blank
  Junior
  Software Engineering

- Sabeeh Khan
  Sophomore
  Computer Engineering

- Nick Kiesel
  Sophomore
  Computer Engineering

- Amelia Rolf
  Freshman
  Mechanical Engineering

- Parker Phillips
  Freshman
  Computer Engineering

- Betsy Tainer
  Sophomore
  Mechanical Engineering

- Brad Drake
  Sophomore
  Mechanical Engineering

- Riley Shore
  Freshman
  Electrical Engineering

- Connor Crenshaw
  Freshman
  Electrical Engineering

ROV: Floyd

Approximate Total Cost: $6400
Dimensions: 60cm L x 52cm W x 58 cm H
Approximate Mass: 20kg
Structure: Aluminum, Stainless Steel
Flotation: Polystyrene

Other Features:
- 3-axis servo-driven camera gimbal
- Underside Auxiliary Camera
- Low Latency, stereo-vision Cameras
- Pneumatic parallel-jaw gripper
- Vectored thrust for 4-DOF motion
- Temperature and pressure measurement capabilities