



RoboJackets

FIRST - IGVC - BATTLEBOTS - ROBOCUP

2008 Informational & Introductory Meeting

September 04, 2008

www.robojackets.org



Officers

- President → Phillip – 1st EE Grad
- Vice President → Roman – 4th yr CS
- Treasurer → Jacob – 3rd yr CS
- Secretary → Janki – 2nd yr BME
- PR Chair → Stefan – 4th yr AE



Overview

- Student Organization
 - Chartered in ME Dept (1999)
- Highly Multidisciplinary
- Meet in Student Competition Center
 - AKA Tin Building (btw Skiles, Webber, and Coon)
- Promote, Educate, Advance
 - Competitions, Outreach, Independent Projects



Activities



Competitions

- IGVC
- RoboCup
- BattleBots
- FIRST (HS)



Outreach

- TE Sessions
- FIRST (HS)
- Guest Appearances



Independent Projects

- HexaPod
- IK Arm
- UberBoat
- Custom Roomba
- Sidewalk printer
- Downhill Car



Competition Teams

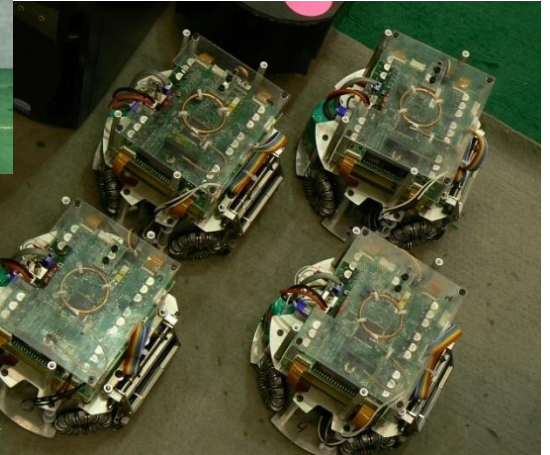
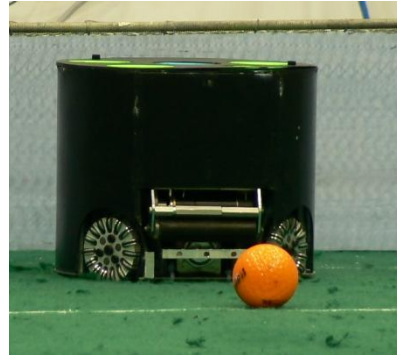
- 1 or 2 Project Managers
 - Varies by team
- Sub teams
 - Mechanical
 - Electrical
 - Programming
- IGVC
 - Paul V
- RoboCup
 - Andy
- BattleBots
 - Jeremy
- FIRST
 - Roman



RoboCup



- Fully autonomous
- Coffee can sized
 - 5 Identical
- Controlled by
 - Over head cameras
- Wireless communication
- Indoor vision
 - Soccer Game





IGVC



- Fully autonomous
- 300 lb (largest)
- Off-road
 - Ramps, Sand pits
- Controlled by
 - Rear mounted camera
 - LIDAR
 - GPS
- Outdoor vision



BattleBots



- Remote Control
- Heavy weight class
- Engages in combat

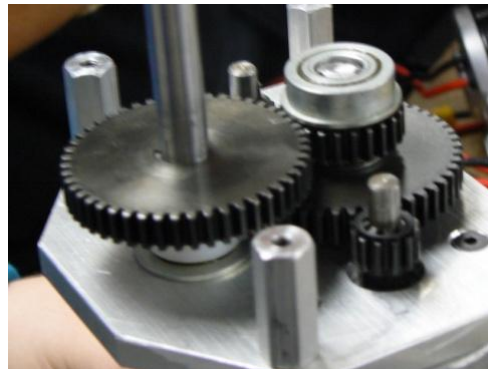




FIRST



- Provide a handful of local high school teams with funding for build
- Work in SCC w/ 1 team during build season
 - Tech High (No Relation to Georgia Tech)
- Help beta test 2009 FRC control system
- Team Leaders
 - Roman
 - Janki





TE Sessions

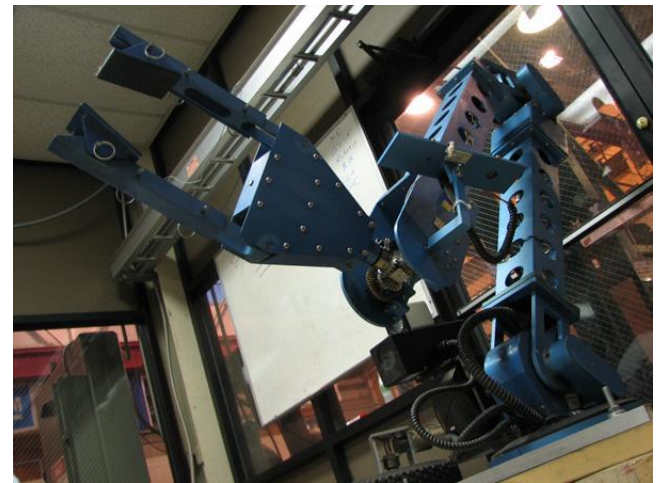
- Planning & Coordinators
 - Andy, Stefan
- Sessions
 - Basic
 - Special Topics = returning people
- Final Competition
 - Lego NXT Based
- NI LabVIEW





Independent / Informal

- Downhill Car
 - Dooley Derby (End of October)
 - Starlight Six Downhill Challenge
 - Looking for more
- HexaPod
- IKArm





Membership Requirements

- Pay Dues
 - \$35 Once a Semester (includes polo)
- Get Trained
- Assist with TE Sessions
- Be involved with your team
 - Realistically
 - Get out what you put in



Things to Do

- OPEN HOUSE: Sat 2pm to 4pm
- Find a Team & Pay Dues = \$35
- Join the Real Mailing List
- Signup for the wiki
- Talk to your team leader about
 - What you can do and current activities



Tentative Meeting Schedule

- Mon
 - Open Hours (4pm to 5pm)
- Tue
 - TE Sessions (5 to 7:30pm)
- Wed
 - IGVC (7pm to 8pm)
- Thur
 - Open Hours (5pm to 8pm)
 - BattleBots (5pm to 7pm)
 - FIRST (6pm to 7pm)
 - RoboCup (7pm to 8pm)
- Sat
 - IGVC (1pm to 5pm)
- Sun
 - RoboCup (1pm to 5pm)



Open House

- This Saturday 2 to 4pm
- Come by see our shop, tools, workspace
- Shop located in Student Competition Center
 - Bldg No. 48

