RoboJackets

Info & Intro Meeting

September 5th, 2007

www.robojackets.org

Officers

- President →Phillip – 5th yr EE
- Vice President → Brian – 2nd yr ME Grad
- Treasurer →Roman – 3rd yr CS
- Secretary →Hung – 4th yr ME
- PR Chair → Stefan – 3rd 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

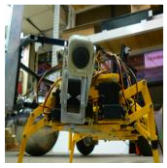
Activities

Competitions

- IGVC
- RoboCup
- BattleBots
- FIRST (HS)

Outreach

- TE Sessions
- FIRST (HS)
- RJ JumpStart



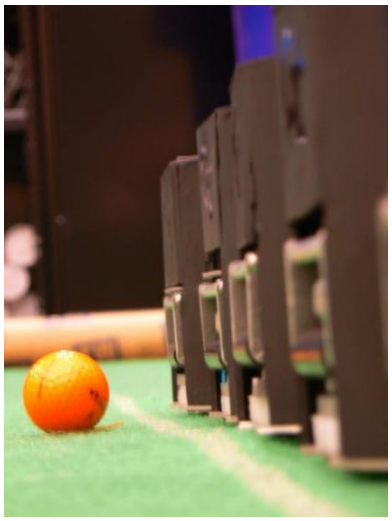
Independent Projects

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

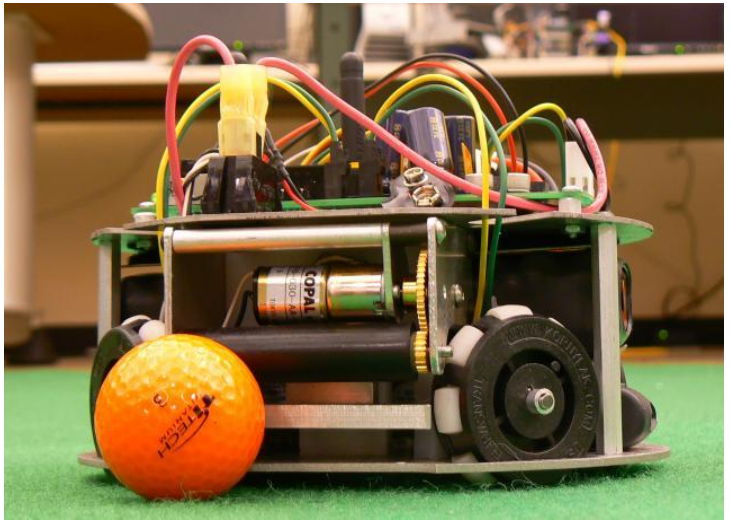
Competition Teams

- 1 or 2 Project Managers
  - Varies by team
- Sub teams
  - Mechanical
  - Electrical
  - Programming
- IGVC
  - Logan
- RoboCup
  - Andy
- BattleBots
  - Roly
- FIRST
  - Brian

RoboCup



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



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IGVC

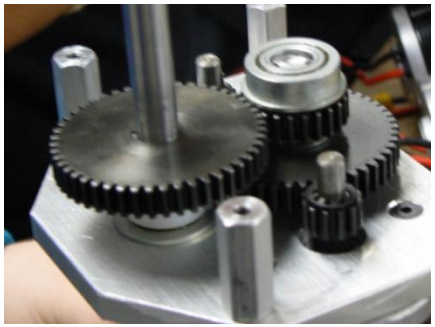
- Fully autonomous
- 300 lb (largest)
- Off-road
  - Ramps, Sand pits
- Controlled by
  - Rear mounted camera
  - Laser range finder
  - GPS
  - Player / Stage Network
- Outdoor vision

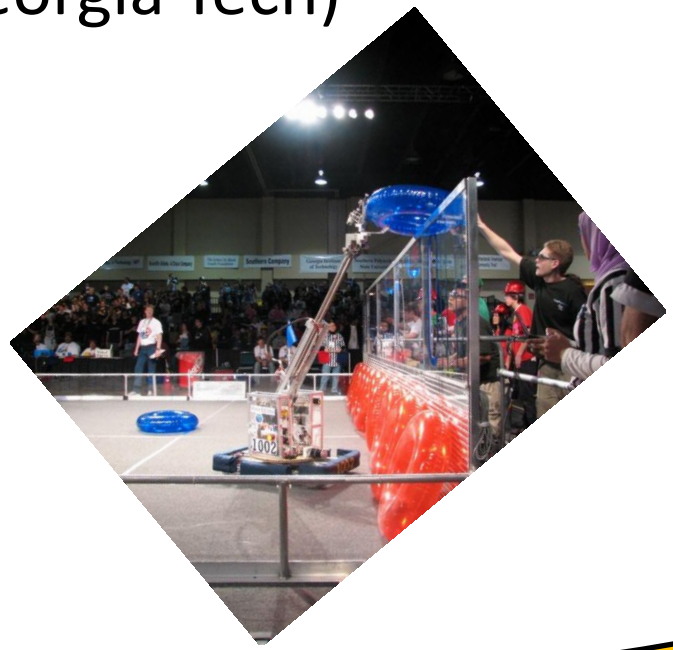
BattleBots

- 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)
- Team Leaders
  - Brian
  - Roman



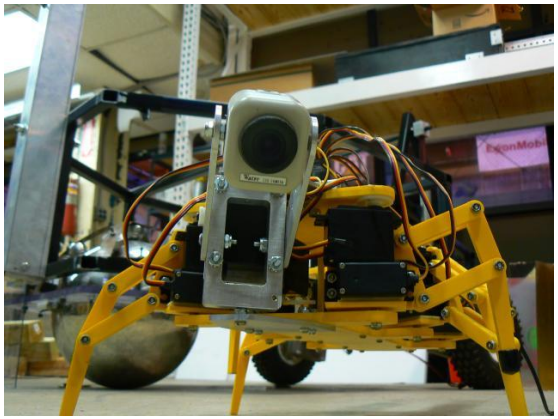


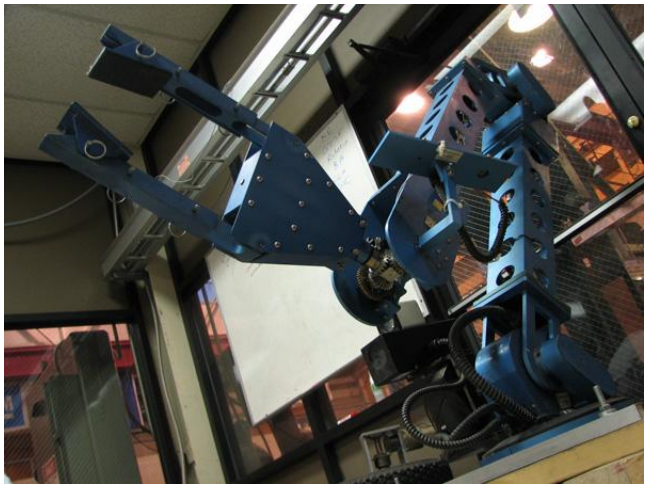
TE Sessions

- Planning Committee
  - Andy, Stefan, Brian, Jevawn
- Sessions
  - Basic = new teams & people new to FIRST
  - Special Topic = returning people
- Final Competition (official FVC Scrimmage)
  - Vex based

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
- 1 Teaching / Outreach Activity
  - Assisting w/ TE Sessions or Training
- Be involved with your team
  - Realistically

Things to Do

- OPEN HOUSE: Sat noon – 5pm
- Find a Team & Pay Dues = $35
- Join the Real Mailing List
- Signup for the wiki & collab
- Talk to your team leader about
  - Training (Saturdays – 11am to 3 pm)
  - What you can do and current activities

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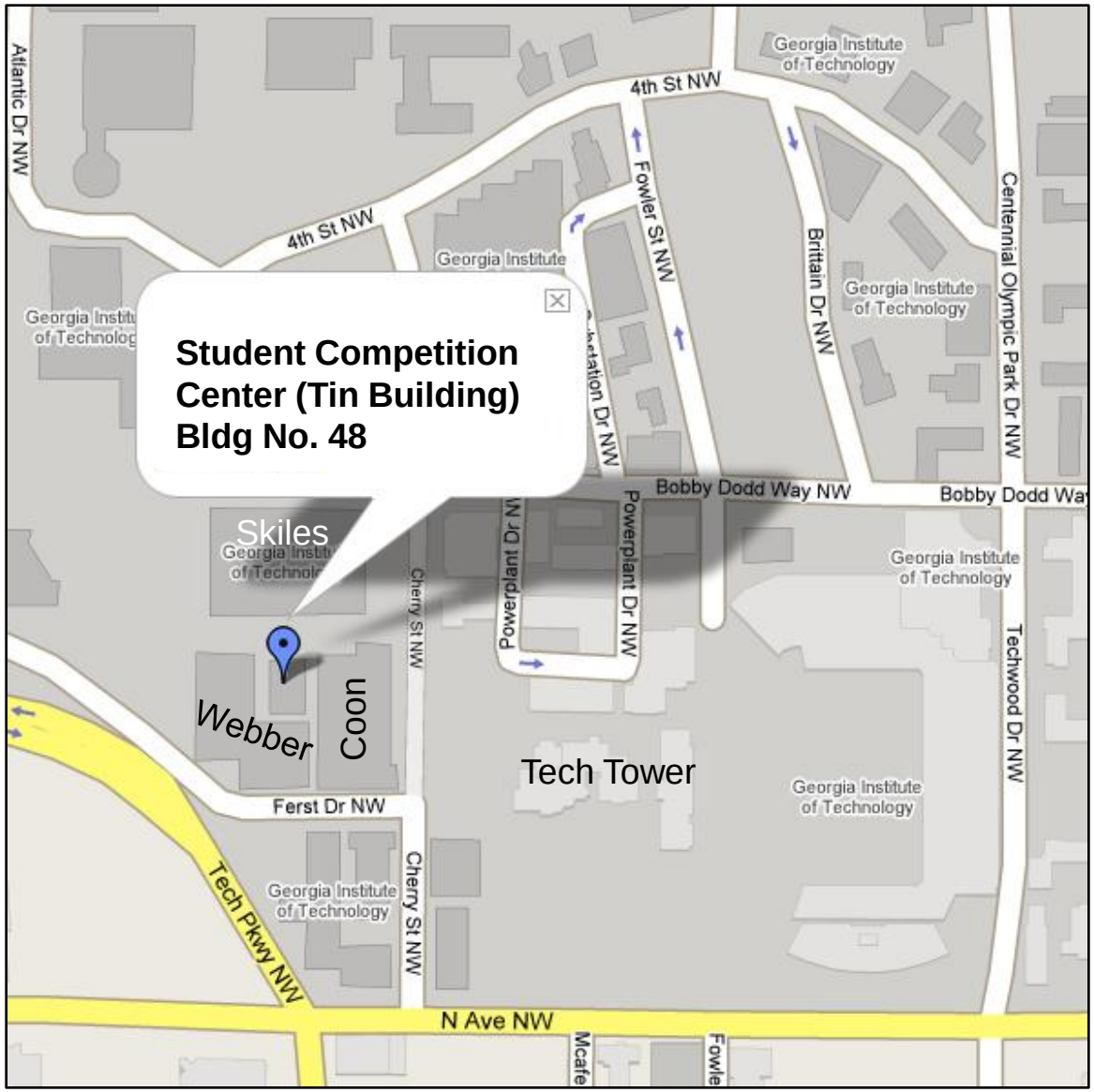

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