



**RoboJackets**

2007 TE Sessions – Intro  
September 11, 2007

[www.robojackets.org](http://www.robojackets.org)



# Info

- Sponsors
  - Caterpillar
  - United Technologies Corporation
  - GT Student Government Association
- Key Contacts
  - Name – Email & Name – Email



# About This Year

- Basic
  - Ways to build, how to build, and what to do.
- Advanced – Special Topics
  - Motor Control, Manipulation, Programming, etc.
- Lectures and notes (pdf)
  - <http://www.robojackets.org> (click on TE Sessions)



# What is a robot?

- A vehicle / platform that can complete tasks without human interaction.
  - Autonomous capabilities



# Applications

- Commercial / Industrial
- Government / Military
- Research
- Robotics@Georgia Tech
- College Competitions



# App: Commercial / Industrial

- iRobot
  - Roomba
- KUKA





# App: Government / Military

- Samsungs Sentry in the DMZ
- UAV
  - Surveillance
  - Communication
- Rescue
- Bomb Disposal





# App: Research

- DARPA
- NASA
- Telescopes



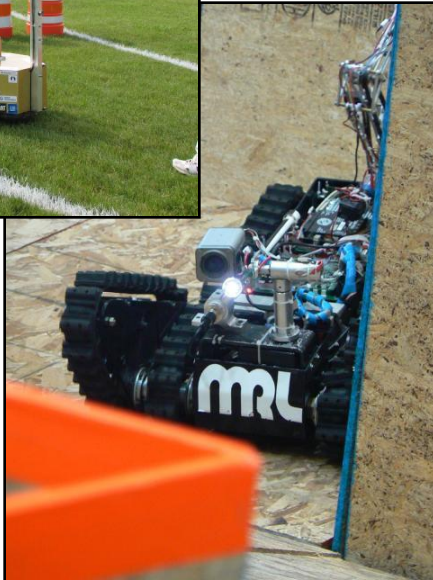
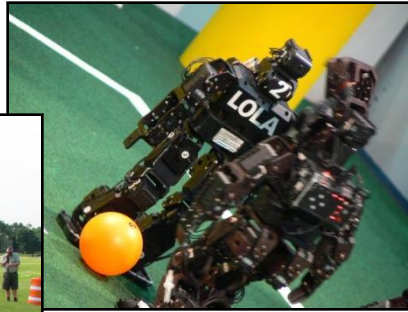


# App: Robotics@Georgia Tech

- Robotics and Intelligent Machines (RIM)
  - <http://robotics.gatech.edu>
- GTRI
- UAV Lab
  - IARC



# App: College Competitions



- FIRST\*
- RoboCup
  - Small Size\*
  - Medium
  - Humanoid
- BattleBots\*
- AUVSI
  - IGVC\* – Ground
  - AUVC – Underwater
  - IARC – Aerial
- IEEE
- More

Note \* = RoboJackets Team



# VEX Competition



# TE Session Final Competition

- When: November 10, 2007 @
- Where:
- Food will be provided
  - Hotdogs
  - Hamburgers



# Legal

These slides and more are available at <http://www.robojackets.org>.

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For more info contact the RoboJackets.