

## Robo-Fest 2010 : Team Demonstrations

### Robot Demos (by StormingRobots)



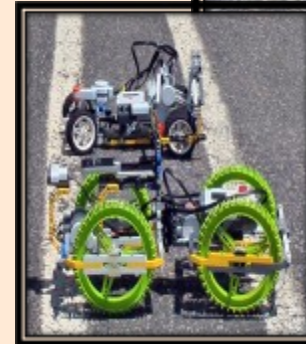
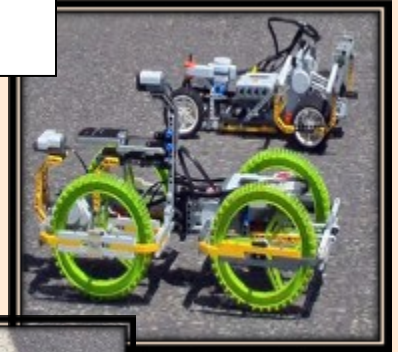
#### Mini-NXT Balance Bot

- This is a robot which will balance itself on 2-wheels.
- Come to find out what it takes to enable this with a gyro sensor.



#### Soccer-Bots

- Young robotics enthusiasts who love to delve more deeply into computer science and programming to focus on fully *autonomous* robots.
- Check out this fully autonomous robot , built and programmed by Storming Robots students
- It seeks a rolling **infrared light-emitting** ball, and navigates the ball score goals.



#### Motion Sensing Remote Control & GPS Data Streaming

- Accelerometers have brought us the fun with Wii game. Storming Robots students will show you the fun to: create algorithmic packets sent from the controller to the remote vehicle for wireless navigation.
- Drive the remote car to left and to the right as you turn your controller (a steering wheel like device) left and right.
- Not only that, the velocity of the vehicle can also be determined by how fast or slow you move the controller too.
- How about giving the car the intelligence to stream data from a GPS receiver to navigate itself around too.