



# Networking Research Laboratory

## Mobile Ad-hoc Networks

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# Lego MindStorms NXT Humanoid Robot



Sound Sensor



The NXT Brick microprocessor



Ultrasonic Sensor



Touch Sensor



Servo Motor



Light Sensor

<http://shop.lego.com/ByTheme/Product.aspx?p=9841&cn=17>

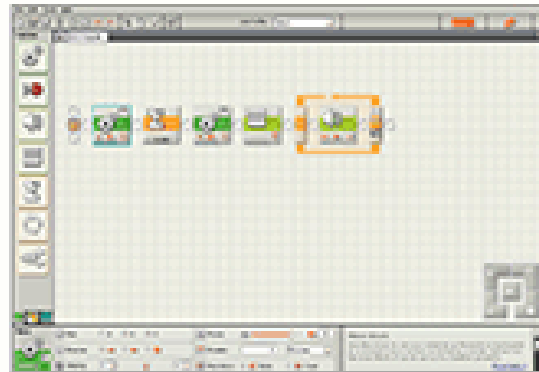


## Challenges



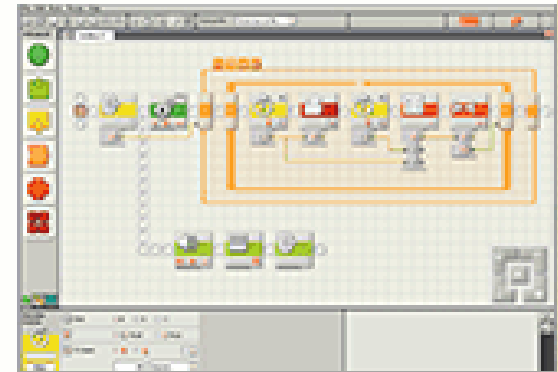
Choose from 18 challenges – Beginner to expert.

## Easy To Use



Intuitive drag and drop programming.

## Advanced

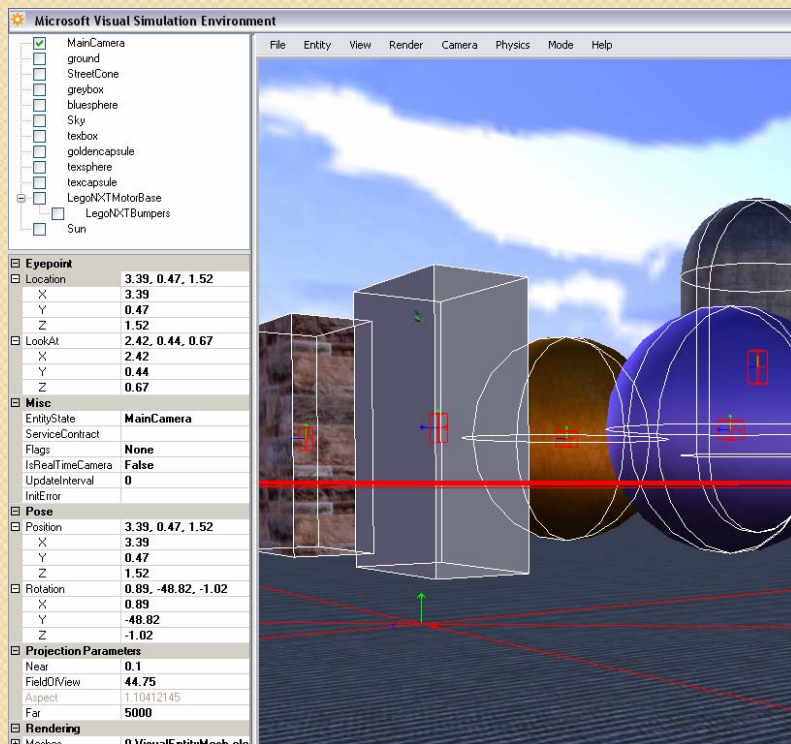


Choose from many new advanced features.

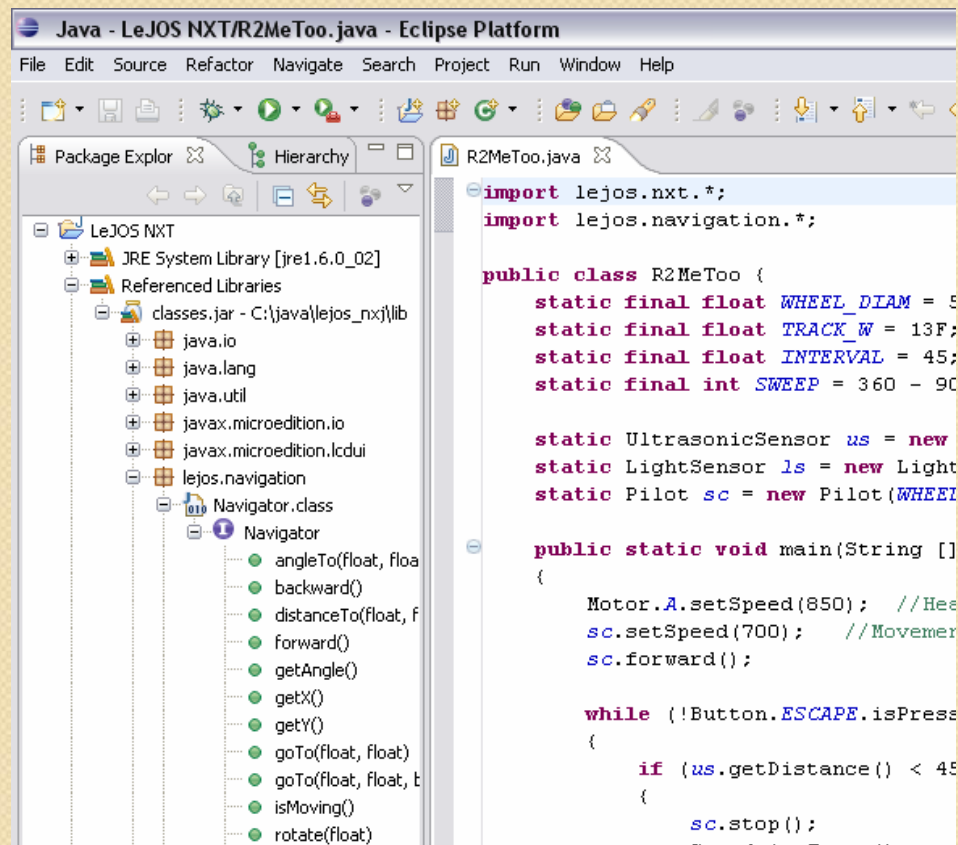
Legos MindStorms NXT Programming Environment (PC or Mac)



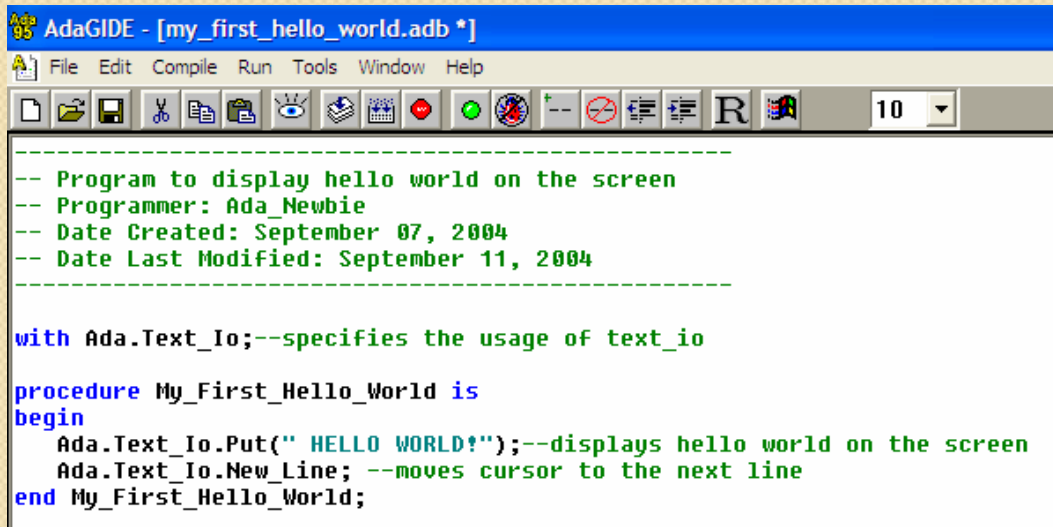
Once the program is complete, or you just want to test it out, simply download to the NXT microprocessor



Microsoft Robotics Studio Simulator



LeJOS in Eclipse IDE



Ada/Mindstorms





Accelerometer Sensor – physical orientation (which way is up, etc)



Bluetooth adapter for pc or mac – allows wireless communication



Color sensor



Compass sensor

<http://shop.lego.com/ByTheme/Product.aspx?p=9841&cn=17>





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