

Robotic Videos and Articles

This is neurosky (brain control headset) meets arduino

<http://www.youtube.com/watch?v=y2EVZqKcSR8&feature=youtu.be>

arduino meets android

<https://www.facebook.com/photo.php?v=10150874283920271>

Controlling a robot with your Mind

<http://www.nytimes.com/2012/05/17/science/bodies-inert-they-moved-a-robot-with-their-minds.html>

Wireless Controlled P-bot using Lantronix Wiport

<http://www.youtube.com/watch?v=lp7vrGTMvmg>

ELC 151.2 Self-Balancing Robot PWM:

<http://www.youtube.com/watch?v=AGXE01rcvng>

ELC 151.2 Self-Balancing Robot Test Run:

<http://www.youtube.com/watch?v=9u8Posbevvi>

Variable Traffic Light System

<http://www.youtube.com/watch?v=GrIwmQrV7BU>

mind control robot

<http://www.youtube.com/watch?v=bJldrNSqqaw>

<http://www.youtube.com/watch?v=q2rC3XWZvJU>

<http://www.youtube.com/watch?v=QB4iPi642XU>

<https://www.facebook.com/video/video.php?v=10150415454064532>

inverted pendulum

<https://www.facebook.com/photo.php?v=10150259186674159&cmntid=1015025>

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photovore

<http://www.youtube.com/watch?v=hwdZz00Z9Fc>

<http://www.youtube.com/watch?v=uZE2t1rRkyI>

http://www.facebook.com/n/?video%2Fvideo.php&v=10150321126259499&mid=4f_f957bG2ecaf7bbG8a9c2c2G1d&bcode=tTi2NVve&n_m=ckiana02%40yahoo.com

See the Control System section

<https://ohm.ecce.admu.edu.ph/wiki/bin/view/Main/TotoAteneoStuff>

Flying robots

Intel Ultimate Engineering Experience (IUEE)

http://www.msnbc.msn.com/id/46595423/ns/technology_and_science-innovation/t/why-flying-robots-learned-play-james-bonds-theme/

<http://www.reuters.com/video/2012/03/20/flying-robot-swarms-the-future-of-search?videoId=232001151>

<http://timehuman.blogspot.com/2010/12/echo-flying-robot-quadrotor-plays.html>

Swarming Robots

<http://www.youtube.com/watch?v=SkvpEfAPXn4>

<http://www.wired.com/wiredscience/2010/09/robot-swarm/>

Flying Swarm Robots

http://news.cnet.com/8301-11386_3-57369480-76/see-nano-quadcopter-robots-swarm-video/

Building a Quadcopter in 2 minutes

http://news.cnet.com/8301-11386_3-57369480-76/see-nano-quadcopter-robots-swarm-video/

Reference Material mentioned in presentations

Websites

<http://www.element14.com/community/groups/arduino?view=overview>

Compiler Basics

<http://www.realworldtech.com/page.cfm?ArticleID=RWT041902173146>

Ohm's Law website

<http://www.sengpielaudio.com/calculator-ohmslaw.htm>

LDR's

<http://www.technologystudent.com/elec1/ldr1.htm>

Energy STAR LEDs

http://www.energystar.gov/index.cfm?c=lighting.pr_what_are

Battery University

http://batteryuniversity.com/learn/article/serial_and_parallel_battery_configurations

Arduino download problem – unknown hardware device

<http://riverembedded.hackhut.com/2011/12/28/my-arduino-uno-rev-3-and-windows-7-64-bit-installation-unknown-device/>

Intel Ultimate Engineering Experience (IUEE)

Arduino Analog pins

<http://www.digikey.com/us/en/techzone/microcontroller/resources/articles/arduin-analog-functions-how-to-use-them.html>

7 Layer Model

<http://networking.ringofsaturn.com/Protocols/sevenlayer.php>

ZigBee Tutorial

<http://www.eetimes.com/design/industrial-control/4013672/A-ZigBee-Radio-Tutorial-for-the-non-RF-Expert>

basics of helicopter flight

http://www.ehow.com/about_5172628_basics-helicopter-flight.html