Power Meter

1) Google gives up Power Metering – Google PowerMeter API deprecated

   http://www.adafruit.com/blog/2011/05/27/google-gives-up-power-metering-google-powermeter-api-deprecated/

2) Tweet-a-Watt and Google PowerMeter… it's your turn

   http://www.adafruit.com/blog/2010/07/12/tweet-a-watt-and-google-powermeter-its-your-turn/

3) Smart Energy Groups

   http://smartenergygroups.com/

4) Tinaja Labs - Tendril's Hybrid HAN

   http://tinajalabs.wordpress.com/category/smart-meter/

5) cuteDigi - Kill a Watt Hacker (Zigbee version)

   http://www.cutedigi.com/article_info.php?articles_id=45

Android Development

- Android is a software stack for mobile devices that includes an operating system, middleware and key applications. The Android SDK provides the tools and APIs necessary to begin developing applications on the Android platform using the Java programming language.

  http://developer.android.com/index.html

- The Android 3.1 platform (also backported to Android 2.3.4) introduces Android Open Accessory support, which allows external USB hardware (an Android USB accessory) to interact with an Android-powered device in a special "accessory" mode. When an Android-powered powered device is in accessory mode, the connected accessory acts as the USB host (powers the bus and enumerates devices) and the Android-powered device acts as the USB device. Android USB accessories are specifically designed to attach to Android-powered devices and adhere to a simple protocol (Android accessory protocol) that allows them to detect Android-powered devices that support accessory mode. Accessories must also provide 500mA at 5V for charging power. Many previously released Android-powered devices are only capable of acting as a USB device and cannot initiate connections with external USB devices. Android Open Accessory support overcomes this limitation and allows you to build accessories that can interact with an assortment of Android-powered devices by allowing the accessory to initiate the connection.

http://developer.android.com/guide/topics/usb/adk.html

- Android Cloud to Device Messaging (C2DM) is a service that helps developers send data from servers to their applications on Android devices. The service provides a simple, lightweight mechanism that servers can use to tell mobile applications to contact the server directly, to fetch updated application or user data. The C2DM service handles all aspects of queueing of messages and delivery to the target application running on the target device.

  http://code.google.com/android/c2dm/index.html#arch

- Android supports a variety of USB peripherals and Android USB accessories (hardware that implements the Android accessory protocol) through two modes: USB accessory and USB host. In USB accessory mode, the external USB hardware act as the USB hosts. Examples of accessories might include robotics controllers; docking stations; diagnostic and musical equipment; kiosks; card readers; and much more. This gives Android-powered devices that do not have host capabilities the ability to interact with USB hardware.

  http://developer.android.com/guide/topics/usb/index.html

- Creating an App Inventor app begins in your browser, where you design how the app will look. Then, like fitting together puzzle pieces, you set your app's behavior. All the while, through a live connection between your computer and your phone, your app appears on your phone

  http://appinventor.googlelabs.com/about/

- Hardware DIY Fun Using an Android Tablet

  http://www.technobrains.com/hardware-diy-fun-using-an-android-tablet/13841/

- Up and running on the Android DIY Development Kit in 180 seconds

  http://antipastohw.blogspot.com/2010/10/up-and-running-on-android-diy.html

- 3-step Approach to Develop Android™ Accessories

  http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&nodeId=2919&param=en546070

- Android Open Accessory DIY DemoKit

  http://www.youtube.com/watch?v=BqD5-chWdDY&feature=related

1) Hardware

http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&nodeId=2095&param=en553910

http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&nodeId=2018&mcparam=en553929

http://www.seeedstudio.com/depot/seeeduino-adk-main-board-p-846.html

http://shop.moderndevice.com/products/freeduino-usb-host-board

2) Software

http://www.waynecoburn.com/2011/05/11/android-as-an-embedded-os/

http://www.engadget.com/2011/05/11/editorial-android-home-is-the-best-worst-thing-that-could-happe/

http://blog.isidorey.com/search/label/Android

http://blog.isidorey.com/2011/06/realtime-is-where-its-at.html

http://googleblog.blogspot.com/2011/05/android-momentum-mobile-and-more-at.html

http://www.google.com/events/io/2011/index-live.html

http://www.youtube.com/user/GoogleDevelopers

http://www.googleadk.com/?page_id=17

Hardware Development

Tinaja Labs - http://tinajalabs.wordpress.com/

ioBridge - http://www.iobridge.com/
http://en.wikipedia.org/wiki/IObridge

cuteDigi - http://www.cutedigi.com/index.php

liquidware - http://www.liquidware.com/

LinkSprite - http://www.linksprite.com/

Cloud Computing

Isidorey Cloud Solutions - http://www.isidorey.com/home

Android Cloud to Device Messaging Framework (C2DM) - http://code.google.com/android/c2dm/index.html#arch

Pachube - http://pachube.com/

MQTT - http://mqtt.org/

Nimbits - http://www.nimbits.com/

Yaler - http://yaler.org/

Twitter Development - https://dev.twitter.com/