

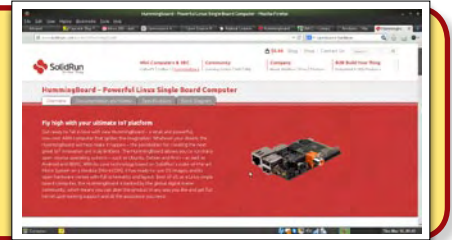
# Open Source Hardware

Open source hardware (OSHW) consists of physical hardware designed and offered in the same manner as free and open source software. Here are a few websites that will introduce you to some commonly available OSHW

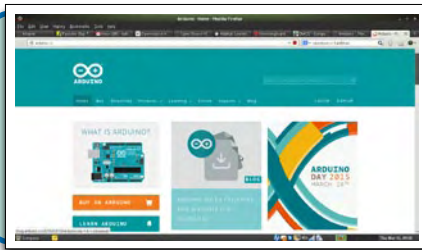
**NIRAJ SAHAY**

## solid-run.com

This website has complete information on the new HummingBoard, a small, powerful, low-cost ARM computer. This OSHW allows you to run many open source operating systems, such as Ubuntu, Debian and Arch, as well as Android and XBMC. With its core technology based on SolidRun's state-of-the-art micro-system on a module (MicroSOM), it has ready-to-use open source images, and its open hardware comes with full schematics and layout. The website provides you with complete documentation and video tutorials on how to use HummingBoard.



<http://www.solid-run.com/products/hummingboard/>



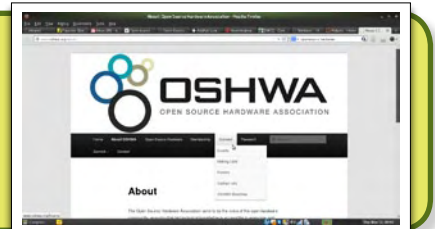
## www.arduino.cc

Arduino is an open source physical computing platform based on a simple microcontroller board. The official Arduino website has a section where you can find a list of do-it-yourself project ideas based on this OSHW. The list is helpful for both the novice and the experienced. The project ideas section has been divided into three categories for easy navigation. The categories include easy, intermediate and advanced.

<http://arduino.cc/>

## oshwa.org

The Open Source Hardware Association aims to be the voice of the open hardware community, ensuring that technological knowledge is accessible to everyone, and encouraging the collaborative development of technology that serves education, environmental sustainability and human welfare. The website educates individuals and general public about OSHW. It also encourages collaborative learning, knowledge exchange and social cohesion through details of conferences and other events focused on OSHW.



<http://www.oshwa.org/about/>



## beagleboard.org

BeagleBoard is a low-power, low-cost, fanless single-board computer. It is based on Texas Instruments processors featuring ARM Cortex-A series core. beagleboard.org is an all-volunteer activity started by a group of passionate individuals, including several employees of Texas Instruments, interested in creating powerful, open and embedded devices. The website has a discussion board along with links that provide information regarding where you can buy the board. It also has around two hundred different projects related to the board.

<http://beagleboard.org/>

## opencores.org

OpenCores is one of the world's largest site/community for development of hardware IP cores as open source. OpenCores.org hosts the source code for different digital hardware projects (like, IP-cores, SoCs and boards) and supports users with different tools, platforms, forums and other useful information. The community is continuously growing and new people and companies from all over the world are registering their profiles and projects at OpenCores. You can explore it to understand how it works.



<http://opencores.org/>