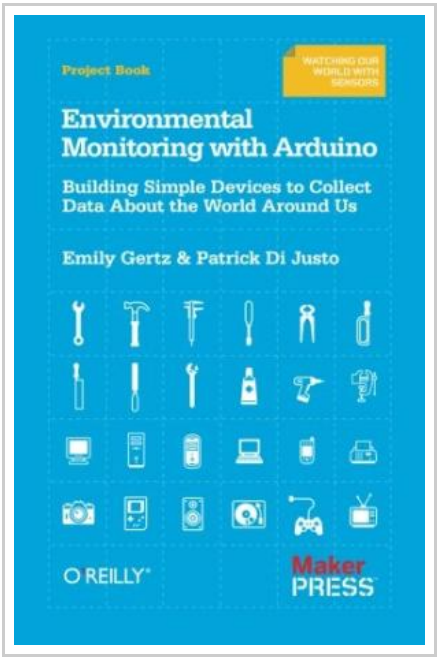

Environmental Monitoring with Arduino Building Simple Devices to Collect Data About the World Around Us

By Patrick Di Justo

Maker Media, Inc. Paperback. Book Condition: New. Paperback. 100 pages. Dimensions: 8.3in. x 5.4in. x 0.5in.After the devastating tsunami in 2011, DYIers in Japan built their own devices to detect radiation levels, then posted their finding on the Internet. Right now, thousands of people worldwide are tracking environmental conditions with monitoring devices theyve built themselves. You can do it too!This inspiring guide shows you how to use Arduino to create gadgets for measuring noise, weather, electromagnetic interference (EMI), water purity, and more. Youll also learn how to collect and share your own data, and you can experiment by creating your own variations of the gadgets covered in the book. If youre new to DIY electronics, the first chapter offers a primer on electronic circuits and Arduino programming. Use a special microphone and amplifier to build a reliable noise monitorCreate a gadget to detect energy vampires: devices that use electricity when theyre offExamine water purity with a water conductivity deviceMeasure weather basics such as temperature, humidity, and dew pointBuild your own Geiger counter to gauge background radiationExtend Arduino with an Ethernet shieldand put your data on the InternetShare your weather and radiation data online through Pachube This item ships from multiple...

Reviews

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