



# The Internet of Things: Do-It-Yourself at Home Projects for Arduino, Raspberry Pi and BeagleBone Black (Electronics)

By Donald Norris

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**The Internet of Things: Do-It-Yourself at Home Projects for Arduino, Raspberry Pi and BeagleBone Black (Electronics)** By Donald Norris

**Tap into the Internet of Things (IoT) with innovative projects!**

*The Internet of Things: Do-It-Yourself at Home Projects for Arduino, Raspberry Pi, and BeagleBone Black* gets you started working with the most popular processing platforms and wireless communication technologies to connect devices and systems to the Internet using sensors. You'll learn the basics of object-oriented programming and relational databases so you can complete your projects with ease.

Each project features a list of required tools and components, how-to explanations with photos and illustrations, and complete programming code. Take advantage of the power and versatility of the IoT with help from this practical, easy-to-follow guide.

Inventive DIY projects include:

- Home temperature monitoring system
- Raspberry Pi home weather station
- Webcam and Raspberry Pi camera
- Internet-enabled, Arduino-powered garage door opener
- Arduino irrigation control system
- Arduino lighting controller
- BeagleBone Black message controller

- BeagleBone Black temperature sensor with cloud service
- Machine-to-Machine communications

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### **Editorial Review**

About the Author

**Donald Norris (Barrington, NH)** is the author of the bestseller, *Raspberry Pi Projects for the Evil Genius*. He is an engineer, a software developer, and an adjunct professor at the Southern New Hampshire University.

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