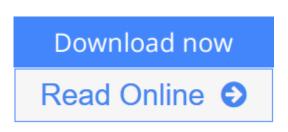


Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action)

By Charles Bell



Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell

Beginning Sensor Networks with Arduino and Raspberry Pi teaches you how to build sensor networks with Arduino, Raspberry Pi, and XBee radio modules, and even shows you how to turn your Raspberry Pi into a MySQL database server to store your sensor data!

First you'll learn about the different types of sensors and sensor networks, including how to build a simple XBee network. Then you'll walk through building an Arduino-based temperature sensor and data collector, followed by building a Raspberry Pi-based sensor node.

Next you'll learn different ways to store sensor data, including writing to an SD card, sending data to the cloud, and setting up a Raspberry Pi MySQL server to host your data. You even learn how to connect to and interact with a MySQL database server directly from an Arduino! Finally you'll learn how to put it all together by connecting your Arduino sensor node to your new Raspberry Pi database server.

If you want to see how well Arduino and Raspberry Pi can get along, especially to create a sensor network, then *Beginning Sensor Networks with Arduino and Raspberry Pi* is just the book you need.

<u>Download</u> Beginning Sensor Networks with Arduino and Raspber ...pdf

Read Online Beginning Sensor Networks with Arduino and Raspb ...pdf

Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action)

By Charles Bell

Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell

Beginning Sensor Networks with Arduino and Raspberry Pi teaches you how to build sensor networks with Arduino, Raspberry Pi, and XBee radio modules, and even shows you how to turn your Raspberry Pi into a MySQL database server to store your sensor data!

First you'll learn about the different types of sensors and sensor networks, including how to build a simple XBee network. Then you'll walk through building an Arduino-based temperature sensor and data collector, followed by building a Raspberry Pi-based sensor node.

Next you'll learn different ways to store sensor data, including writing to an SD card, sending data to the cloud, and setting up a Raspberry Pi MySQL server to host your data. You even learn how to connect to and interact with a MySQL database server directly from an Arduino! Finally you'll learn how to put it all together by connecting your Arduino sensor node to your new Raspberry Pi database server.

If you want to see how well Arduino and Raspberry Pi can get along, especially to create a sensor network, then *Beginning Sensor Networks with Arduino and Raspberry Pi* is just the book you need.

Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell Bibliography

- Sales Rank: #697549 in Books
- Published on: 2013-11-21
- Released on: 2013-11-22
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .84" w x 7.50" l, 1.41 pounds
- Binding: Paperback
- 372 pages

Download Beginning Sensor Networks with Arduino and Raspber ...pdf

Read Online Beginning Sensor Networks with Arduino and Raspb ...pdf

Editorial Review

About the Author

Charles Bell conducts research in emerging technologies. He is a member of the Oracle MySQL Development team and is the team lead for the MySQL Utilities team. He lives in a small town in rural Virginia with his loving wife. He received his Doctor of Philosophy in Engineering from Virginia Commonwealth University in 2005. Dr. Bell is an expert in the database field and has extensive knowledge and experience in software development and systems engineering. His research interests include 3D printers, microcontrollers, three-dimensional printing, database systems, software engineering, and sensor networks. He spends his limited free time as a practicing Maker focusing on microcontroller projects and refinement of three-dimensional printers. Dr. Bell maintains a blog on his research projects and many other interests. You can find his blog at http://drcharlesbell.blogspot.com/.

Users Review

From reader reviews:

Concepcion Maldonado:

Now a day individuals who Living in the era wherever everything reachable by match the internet and the resources included can be true or not involve people to be aware of each info they get. How many people to be smart in receiving any information nowadays? Of course the answer then is reading a book. Reading a book can help individuals out of this uncertainty Information mainly this Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) book since this book offers you rich details and knowledge. Of course the details in this book hundred percent guarantees there is no doubt in it you may already know.

Charles Payne:

The publication with title Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) contains a lot of information that you can understand it. You can get a lot of gain after read this book. This specific book exist new knowledge the information that exist in this book represented the condition of the world today. That is important to yo7u to understand how the improvement of the world. This specific book will bring you in new era of the syndication. You can read the e-book in your smart phone, so you can read this anywhere you want.

Florence Davis:

Do you have something that you enjoy such as book? The e-book lovers usually prefer to choose book like comic, limited story and the biggest the first is novel. Now, why not seeking Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) that give your entertainment preference will be satisfied by reading this book. Reading routine all over the world can be said as the way for people to know world a great deal better then how they react to the world. It can't be said constantly that reading routine only

for the geeky individual but for all of you who wants to become success person. So, for every you who want to start studying as your good habit, you can pick Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) become your own starter.

Jennifer Crawford:

This Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) is great book for you because the content which is full of information for you who also always deal with world and get to make decision every minute. This kind of book reveal it data accurately using great coordinate word or we can claim no rambling sentences within it. So if you are read it hurriedly you can have whole information in it. Doesn't mean it only provides straight forward sentences but difficult core information with attractive delivering sentences. Having Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) in your hand like having the world in your arm, facts in it is not ridiculous just one. We can say that no e-book that offer you world within ten or fifteen minute right but this reserve already do that. So , this is certainly good reading book. Hey there Mr. and Mrs. busy do you still doubt which?

Download and Read Online Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell #NCX8YM7W2EQ

Read Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell for online ebook

Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, books reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell books to read online.

Online Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell ebook PDF download

Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell Doc

Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell Mobipocket

Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell EPub

NCX8YM7W2EQ: Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) By Charles Bell