Beginning Robotics with Raspberry Pi and Arduino: Using Python and OpenCV (Paperback)

By Jeffrey Cicolani

aPress, United States, 2018. Paperback. Condition: New. 1st ed.. Language: English . Brand New Book ***** Print on Demand *****.Learn how to use a Raspberry Pi in conjunction with an Arduino to build a basic robot with advanced capabilities. Getting started in robotics does not have to be difficult. This book is an insightful and rewarding introduction to robotics and a catalyst for further directed study. You ll be led step by step through the process of building a robot that uses the power of a Linux based computer paired with the simplicity of Arduino. You ll learn why the Raspberry Pi is a great choice for a robotics platform; its strengths as well as its shortcomings; how to overcome these limitations by implementing an Arduino; and the basics of the Python programming language as well as some of the more powerful features. With the Raspberry Pi you can give your project the power of a Linux computer, while Arduino makes interacting with sensors and motors very easy. These two boards are complimentary in their functions; where one falters the other performs admirably. The book also includes references to other great works to help further your growth in the exciting,...

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