

Advanced Interfacing Techniques for Sensors [Measurement Circuits and Systems for Intelligent Sensors /

George, Boby., editor Roy, Joyanta Kumar., editor

Kumar, V. Jagadeesh., editor Mukhopadhyay, Subhas Chandra., editor

Monografía

This book presents ways of interfacing sensors to the digital world, and discusses the marriage between sensor systems and the IoT: the opportunities and challenges. As sensor output is often affected by noise and interference, the book presents effective schemes for recovering the data from a signal that is buried in noise. It also explores interesting applications in the area of health care, un-obstructive monitoring and the electronic nose and tongue. It is a valuable resource for engineers and scientists in the area of sensors and interfacing wanting to update their knowledge of the latest developments in the field and learn more about sensing applications and challenges

Título: Advanced Interfacing Techniques for Sensors electronic resource] :] Measurement Circuits and Systems for Intelligent Sensors edited by Boby George, Joyanta Kumar Roy, V. Jagadeesh Kumar, Subhas Chandra Mukhopadhyay

Editorial: Cham Springer International Publishing Imprint: Springer 2017

Descripción física: 1 online resource (XIV, 314 p. 193 illus., 121 illus. in color.)

Variantes del título: Advanced Interfacing Techniques for Sensors 2017 Advanced Interfacing Techniques for Sensors

Mención de serie: Smart Sensors, Measurement and Instrumentation 2194-8402 25

Contenido: Sensors and their characteristics -- Advanced Interfacing Techniques for the Capacitive Sensors -- A Simple Embedded Sensor: Excitation and Interfacing -- AdvancedTechniques for Directly Interfacing Resistive Sensors to Digital Systems -- Interfaces for AutarkicWireless Sensors and Actuators in the Internet of Things --Lock-In Amplifier Architectures for Sub-Ppm Resolution Measurements -- Biomedical Sensors and Their Interfacing -- Interfacing and Pre-ProcessingTechniques with Olfactory and Taste Sensors -- Harnessing Vision and Touch for Compliant Robotic Interaction with Soft or Rigid Objects -- IEEE1451 Smart Sensors Architectures for Vital Signs and Motor Activity Monitoring

ISBN: 3-319-55369-0 3-319-55368-2

Materia: Engineering Physical measurements Measurement Applied mathematics Engineering mathematics Electronics Microelectronics Electronic circuits Engineering Electronics and Microelectronics, Instrumentation Circuits and Systems Appl.Mathematics/Computational Methods of Engineering Measurement Science and Instrumentation

Autores: George, Boby., editor Roy, Joyanta Kumar., editor Kumar, V. Jagadeesh., editor Mukhopadhyay, Subhas Chandra., editor

Entidades: SpringerLink (Online service)

Punto acceso adicional serie-Título: Smart Sensors, Measurement and Instrumentation 2194-8402 25

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es