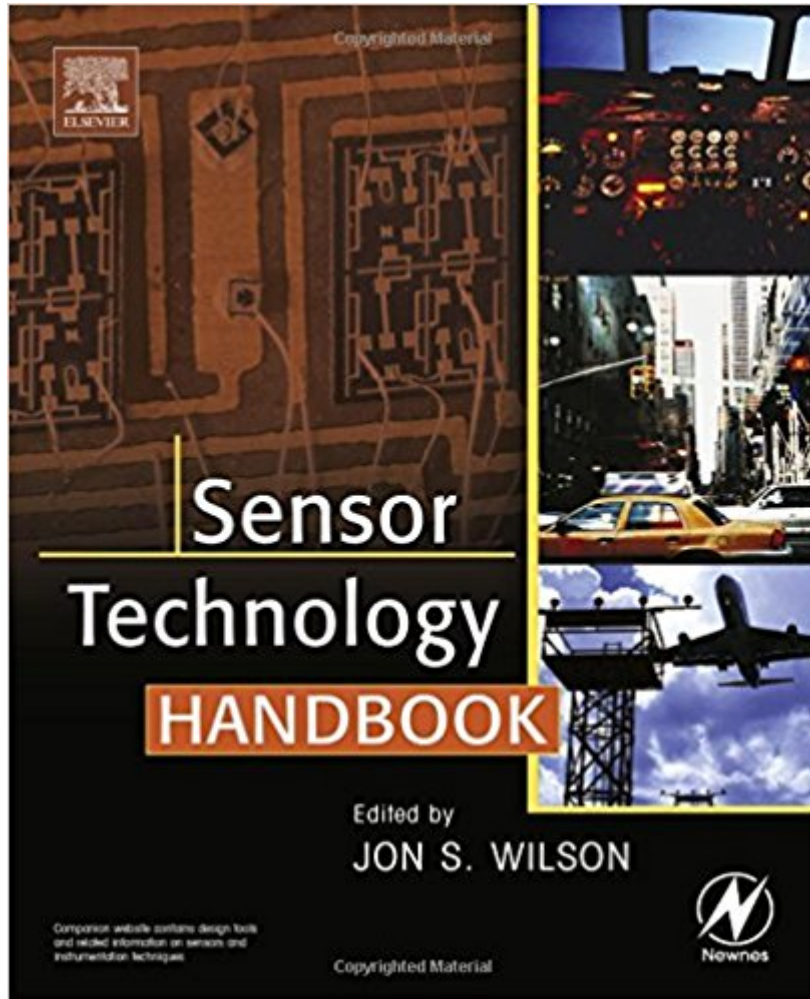The book was found

Sensor Technology Handbook

Synopsis

Without sensors most electronic applications would not existâ •they perform a vital function, namely providing an interface to the real world. The importance of sensors, however, contrasts with the limited information available on them. Today's smart sensors, wireless sensors, and microtechnologies are revolutionizing sensor design and applications. This volume is a comprehensive sensor reference guide to be used by engineers and scientists in industry, research, and academia to help with their sensor selection and system design. It is filled with hard-to-find information, contributed by noted engineers and companies working in the field today. The bookÂ offers guidance on selecting, specifying, and using the optimum sensor for any given application. The editor-in-chief, Jon Wilson, has years of experience in the sensor industry and leads workshops and seminars on sensor-related topics. In addition to background information on sensor technology, measurement, and data acquisition, the handbook provides detailed information on each type of sensor technology, covering:Â technology fundamentalsÂ sensor types, w/ advantages/disadvantagesÂ manufacturersÂ selecting and specifying sensorsÂ applicable standards (w/ urls of related web sites)Â interfacing information, with hardware and software infoÂ design techniques and tips, with design examplesÂ latest and future developmentsThe handbook also contains information on the latest MEMS and nanotechnology sensor applications.Jam-packed with over 800 pages of techniques and tips, detailed design examples, standards, hardware and software interfacing information, and manufacturer pros/cons to help make the best sensor selection for any designCovers sensors from A to Z- from basic technological fundamentals, to cutting-edge info. on the latest MEMS and the hottest nanotechnology applications

Book Information

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Customer Reviews

"...if you are looking for a serious handbook covering all types of sensors rather than specializing in one subset, you may want to check this one out." --Melanie Martella, Sensor Magazine"...packed with hard-to-find information contributed by engineers and companies working in the sensor field today. This book offers guidance on understanding, selecting, specifying, and using the optimum sensor for any given application." --Sound and Vibration,Â 2005"Editor-in-Chief Jon Wilson, a forty-year sensor industry professional, has united his colleagues to create a thorough resource on sensors. Lengthy explanations are forgone for short, pointed introductions and explanations of a broad variety of sensors in the Sensor Technology Handbook. Each chapter is thoughtfully written by its respective contributor; smooth transitions from introductory material for novices to in-depth design techniques for academia make this an excellent addition to undergraduate, graduate, and professional collections." --Sarah Miller, Grainger Engineering Library, university of Illinois at Urbana-Champaign, Graduate Assistant,Â 2007

Provides working engineers and engineering students with a much-needed, comprehensive and up-to-date reference to use when incorporating sensors into designs of everything from vehicles to industrial process plants

I bought this for the pressure section. I needed mechanical / manufacturing detail on a piezoresistive diaphragm type, but it wasn't detailed enough for my needs. I haven't found a book that is new within the last 15 years, and has more than 10 pages on pressure sensors. For a general sensor book, it is modern and seems like it will be a useful reference.

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Arduino, and Processing A DEMONSTRATION OF DIGITAL RADIOGRAPHY Technique for the Bitewing Exposure (BWX) and Periapical (PA) X-Ray with Digital Sensor Aerospace Sensor Systems and Applications Electronic Sensor Circuits & Projects, Volume III (Engineer's Mini Notebook) Blockchain: Step By Step Guide To Understanding The Blockchain Revolution And The Technology Behind It (Information Technology, Blockchain For Beginners,Bitcoin, Blockchain Technology) Fintech: Simple and Easy Guide to Financial Technology(Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, ... technology,equity crowdfunding) (Volume 1) FINTECH: Simple and Easy Guide to Financial Technology(Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, Financial services technology,equity crowdfunding) Handbook of Nanoscience, Engineering, and Technology (Electrical Engineering Handbook) Introduction to Radiologic Technology, 7e (Gurley, Introduction to Radiologic Technology) Blockchain: Blockchain for beginners. Understand how the technology behind bitcoin works. (Blockchain Technology, Blockchain Revolution, Bitcoin, Cryptocurrency, Blockchain for Dummies) Blockchain: Guide To Everything About Blockchain Technology And How It Is Creating A Revolution (Bitcoin, Cryptocurrency, Money, Hidden Economy, Ethereum, Financial Technology) Blockchain: The Complete Step-by-Step Guide to Understanding Blockchain and the Technology behind it (blockchain, bitcoin, cryptocurrency, fintech, financial technology, data freedom, beginners) Blockchain: The History, Mechanics, Technical Implementation And Powerful Uses of Blockchain Technology (blockchain guide, smart contracts, financial technology, blockchain programming) Technology in Ancient Egypt (Technology in the Ancient World (Gareth Stevens))