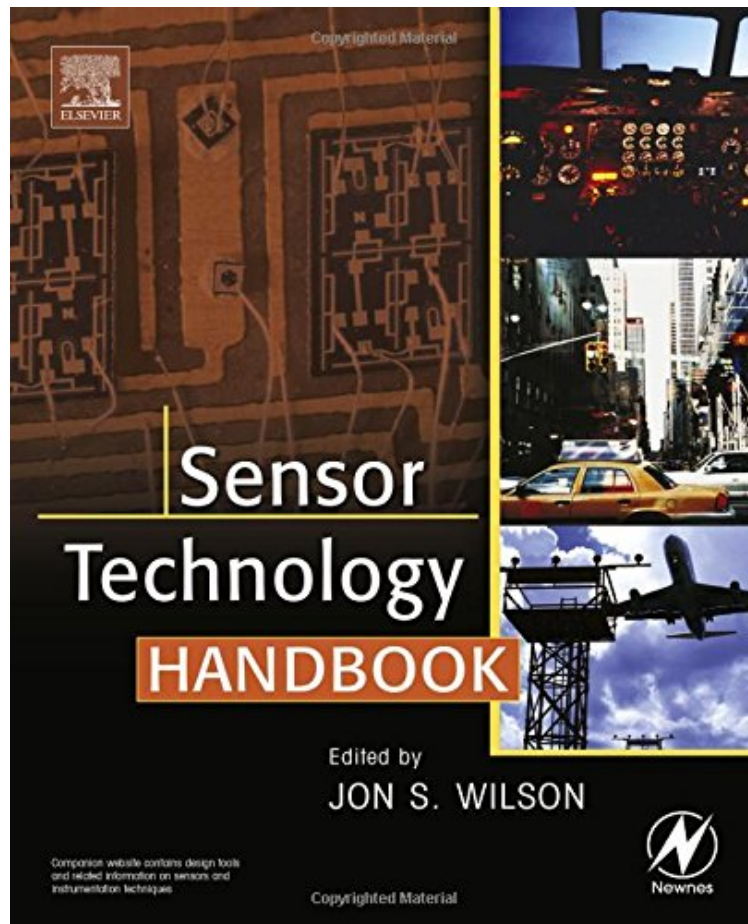


Sensor Technology Handbook

Jon S. Wilson

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Jon S. Wilson : Sensor Technology Handbook before purchasing it in order to gage whether or not it would be worth my time, and all praised Sensor Technology Handbook:

10 of 10 people found the following review helpful. Needed detailed pressure transducer infoBy 2momI 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.

Without sensors most electronic applications would not existthey 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 book 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: technology fundamentals sensor types, w/ advantages/disadvantages manufacturers selecting and specifying sensors applicable standards (w/ urls of related web sites) interfacing information, with hardware and software info design techniques and tips, with design examples 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

"...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,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,2007About the AuthorKevin Laahs is a senior member of the Technology Leadership Group within HP s Consulting and Integration practice. He is currently focused on Exchange Server 2003 and SharePoint Portal Server V2 and helps customers determine how such products can assist in solving their business problems. Kevin is a frequent speaker at industry events such as the Microsoft Exchange Conference and TechEd. Kevin is co-author of Microsoft SharePoint Portal Server: Building Knowledge Sharing Applications.Excerpt. Reprinted by permission. All rights reserved.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