

Using the Engineering Literature, Second **Edition**

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With the encroachment of the Internet into nearly all aspects of work and life, it seems as though information is everywhere. However, there is information and then there is correct, appropriate, and timely information. While we might love being able to turn to Wikipedia® for encyclopedia-like information or search Google® for the thousands of links on a topic, engineers need the best information, information that is evaluated, up-to-date, and complete. Accurate, vetted information is necessary when building new skyscrapers or developing new prosthetics for returning military veterans

While the award-winning first edition of *Using the Engineering Literature* used a roadmap analogy, we now need a three-dimensional analysis reflecting the complex and dynamic nature of research in the information age. Using the Engineering Literature, Second Edition provides a guide to the wide range of resources available in all fields of engineering. This second edition has been thoroughly revised and features new sections on nanotechnology as well as green engineering.

The information age has greatly impacted the way engineers find information. Engineers have an effect, directly and indirectly, on almost all aspects of our lives, and it is vital that they find the right information at the right time to create better products and processes.

Comprehensive and up to date, with expert chapter authors, this book fills a gap in the literature, providing critical information in a user-friendly format.



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Editorial Review

Review

Praise for Previous Editions

Winner of the 2007 Best Reference Work Award of the American Society for Engineering Education

This title aims to be selective rather than exhaustive in its survey of the engineering literature, highlighting the most useful resources. An even more selective list might have benefited the average engineering information seeker (some entries are quite extensive), but as a library instruction tool and collection development guide, this update to the 2006 edition shines. The book is organized into chapters by engineering specialty. Each chapter starts with a short history of the discipline and provides bibliographies (most annotated) for a variety of literature types (monographs, directories, journals, etc.), curated and annotated by discipline-specific experts (mostly librarians). The annotations that accompany citations vary from the descriptive to the evaluative. New to the second edition is a subchapter, "Minorities in Engineering," along with the inclusion of more recently published titles. The densely packed pages make scanning somewhat difficult, but the information is valuable. The book is an excellent acquisition for any engineering library or professional collection; it is accessible for undergraduates, but may prove most useful to more seasoned researchers. **Summing Up**: Highly recommended. Lower-division undergraduates and above.

?J. N. Jeffryes, University of Minnesota

"... this would be a good reference to start for those seeking references in an engineering field they are not familiar with."

?American Reference Books Annual (ARBA) Online, 2008

"As Bonnie Osif, the editor of this impressive work, points out, quality information retrieval skills are often lacking in the engineering profession. This publication will hopefully go some way to rectifying this situation, and will help those within, and without, the profession to discover and exploit the many information tools that exist?some of which are at present unfortunately underused. ... The basics are covered very well. There are hints on searching library catalogues ... A lot of work has gone into compiling this book, and the result is an extremely useful reference work which should be purchased by all libraries serving engineers of any kind."

?Internet Resources Newsletter, Issue 146, December 2006

"... this reference guide[s] readers to engineering information resources with the goal of avoiding information overkill by pointing to good resources in a wide variety of formats that address most needs." *?SciTech Book News*, September 2007

About the Author

Bonnie A. Osif has been engineering reference and instruction librarian in the Engineering Library at the

Penn State University since 1991. Prior to that she was a physical sciences librarian at Penn State and managed the biology library at Temple University. She holds a BS in biology from Penn State, an MS in information science from Drexel, and an EdD in science education from Temple University. She was corecipient of the SLA Engineering Librarian of the Year Award in 1995. Other awards include the Achievement Award from the Sci-Tech Division of SLA and the Professional Achievement award from the Transportation Division of SLA, and Best Reference Work and Best Publication awards from ASEE. She was a columnist for the American Library Association's Library Administration and Management for 17 years. She is the co-author of *TMI*: 25 Years Later.

Users Review

From reader reviews:

Patricia Gross:

As people who live in the actual modest era should be revise about what going on or info even knowledge to make these individuals keep up with the era and that is always change and progress. Some of you maybe will certainly update themselves by studying books. It is a good choice for you personally but the problems coming to you actually is you don't know what one you should start with. This Using the Engineering Literature, Second Edition is our recommendation to cause you to keep up with the world. Why, as this book serves what you want and wish in this era.

Paul Evans:

Exactly why? Because this Using the Engineering Literature, Second Edition is an unordinary book that the inside of the guide waiting for you to snap that but latter it will jolt you with the secret this inside. Reading this book beside it was fantastic author who write the book in such awesome way makes the content on the inside easier to understand, entertaining technique but still convey the meaning fully. So , it is good for you because of not hesitating having this any longer or you going to regret it. This amazing book will give you a lot of advantages than the other book have such as help improving your proficiency and your critical thinking method. So , still want to delay having that book? If I had been you I will go to the book store hurriedly.

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