Composite Materials and Structures: Science, Technology and Applications - A Compendium of Books, Review Papers, and Other Sources of Information

Alexander E. Bogdanovich and Robert L. Sierakowski

Abstract
A fast growing volume of literature in various fields of composite materials and structures has inspired the authors to attempt to assemble all major books and review papers in a concise compendium presented here. This could give researchers, engineers, designers, and graduate students a rapid access to the vast volume of references on any specific topic in the field of composites and thereby satisfy their research requirements. The compendium includes encyclopedias, handbooks, design guides, textbooks, reference books, review papers and also a few collections of papers. The topics span theory, modeling and analysis of composite materials, processing and manufacturing, properties and characterization, theory and analysis of composite structures, joints and connections, designing with composites, and composites applications. The compendium includes over 400 references, which are arranged in alphabetical order within each topic under consideration. Additionally, the reader can find, in this compendium, the lists of major conferences, journals, and ASTM STP publications on composites. The major objective of this work is not critically reviewing or discussing specific research approaches and results. The authors have rather intended to provide extensive bibliographic information that may help the reader to get familiar with the primary literature and, if necessary, undertake further literature search on any particular problem of interest.

Copyright © 1999 by American Society of Mechanical Engineers

Topics: Composite materials, Design, Modeling, ASTM International, Graduate students, Engineers, Manufacturing