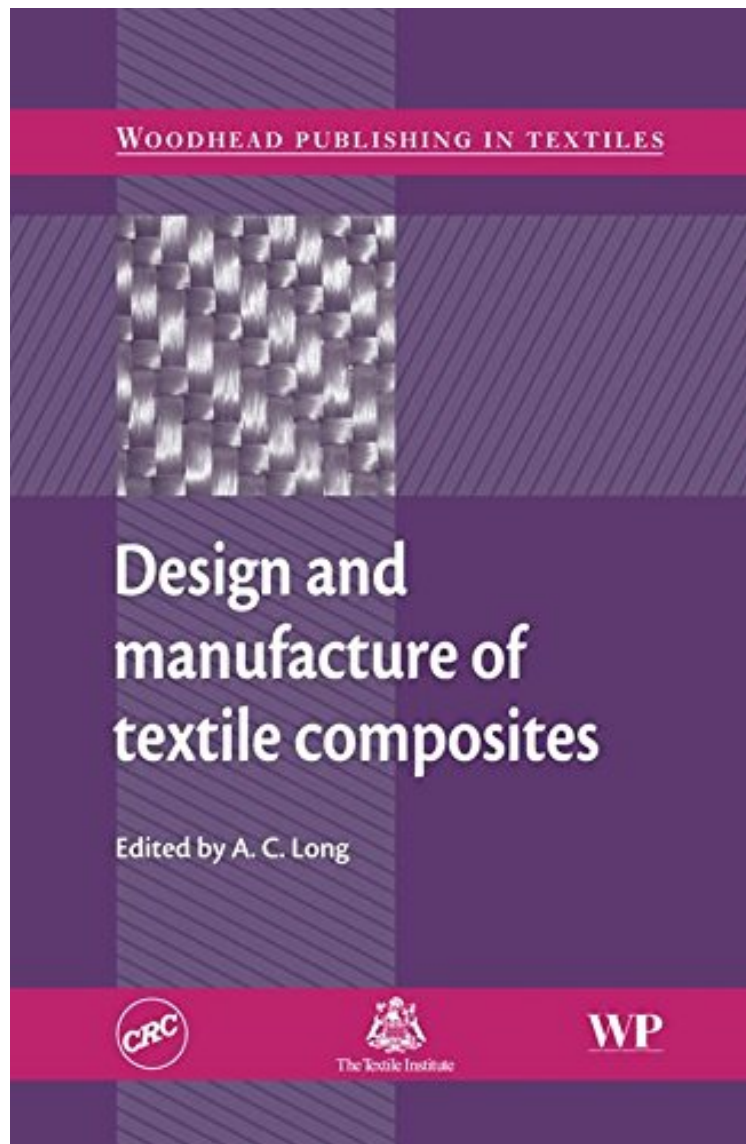


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Design and Manufacture of Textile Composites (Woodhead Publishing Series in Textiles)

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From Woodhead Publishing : Design and Manufacture of Textile Composites (Woodhead Publishing Series in Textiles) before purchasing it in order to gage whether or not it would be worth my time, and all praised Design and Manufacture of Textile Composites (Woodhead Publishing Series in Textiles):

The term 'textile composites' is often used to describe a rather narrow range of materials, based on three-dimensional reinforcements produced using specialist equipment. In *Design and manufacture of textile composites*, however, the term is used to describe the broad range of polymer composite materials with textile reinforcements, from woven and non-crimp commodity fabrics to three dimensional textiles. Whilst attention is given to modelling of textile structures, composites manufacturing methods and subsequent component performance, it is substantially a practical book, intended to help all those developing new products with textile composites. Chapters on modelling include material models and data of use to both researchers and manufacturers, along with case studies for real components. Chapters on manufacturing describe both current processing technologies and emerging areas, and give practical processing guidelines. The last section contains a number of chapters covering applications from a broad range of areas, including transportation, sporting construction and medical applications. As well as illustrating typical components in each area, associated design methodologies and interactions between processing and performance are covered. *Design and manufacture of textile composites* is an invaluable guide for manufacturers of polymer composite components, end-users and designers, researchers in the fields of structural materials and technical textiles and textile manufacturers. It will also provide manufacturers of traditional textiles with new areas to investigate and potential markets. Covers a broad range of polymer composite materials with textile reinforcements Edited by a leading authority in the field with contributions from a worldwide team of authors

"an invaluable guide for manufacturers of polymer composite components, end-users and designers, researchers in the fields of structural materials and technical textiles and textile manufacturers. ... covers a broad range of polymer composite materials with textile reinforcements." -- *Journal of Natural Fibers* "This book is likely to become the standard work of reference on textile composites and is highly recommended because of its broad coverage of this important field." ? *Textile Month* "...an excellent and detailed study of a rapidly changing field, because of the comprehensive treatment of the subject that it provides." ? *International Dyer* About the Author Andrew Long is at the School of Mechanical, Materials and Manufacturing Engineering at Nottingham University, UK. He was awarded a personal chair in January 2004 and is currently Head of the Polymer Composites Research Group.