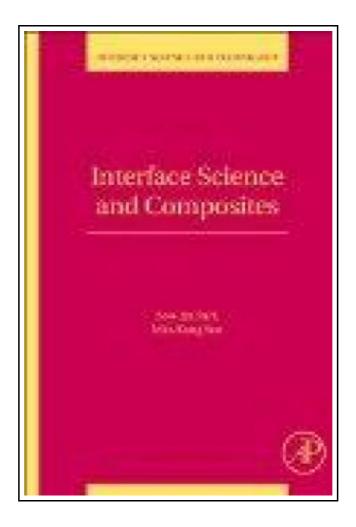# Interface Science and Composites

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Reviews

Merely no words and phrases to describe. I really could comprehended almost everything using this created e pdf. Your daily life period will be change once you full reading this ebook.

(Mr. Ladarius Stoltenberg)

INTERFACE SCIENCE AND COMPOSITES

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Academic Press, 2011. Gebundene Ausgabe. Book Condition: Neu. new item; well packed; Neuware; Rechnung mit MwSt.; Bestellungen bis 15 Uhr werden am gleichen Werktag verschickt.The goal of 'interface science and composites' is to facilitate the manufacture of technological materials with optimized properties on the basis of a comprehensive understanding of the molecular structure of interfaces and their resulting influence on composite materials processes. From the early development of composites of various natures, the optimization of the interface has been of major importance. While there are many reference books available on composites, few deal specifically with the science and mechanics of the interface of materials and composites. Further, many recent advances in composite interfaces are scattered across the literature and are here assembled in a readily accessible form, bringing together recent developments in the field, both from the materials science and mechanics perspective, in a single convenient volume. The central theme of the book is tailoring the interface science of composites to optimize the basic physical principles rather than on the use of materials and the mechanical performance and structural integrity of composites with enhanced strength/stiffness and fracture toughness (or specific fracture resistance). It also deals mainly with interfaces in advanced composites made from high performance fibers, such as glass, carbon, aramid, and some inorganic fibers, and matrix materials encompassing polymers, carbon, metals/alloys, and ceramics. Includes chapter on the development of a nanolevel dispersion of graphene particles in a polymer matrix Focus on tailoring the interface science of composites to optimize the basic physical principles Covers mainly interfaces in advanced composites made from high performance fibers - The goal of 'interface science and composites' is to facilitate the manufacture of technological materials with optimized properties on the basis of a comprehensive understanding of the molecular structure of interfaces and their resulting...

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