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Título: Intelligent Textiles And Clothing

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Precio: \$4204.00

Editorial:

Año: 2006

Tema:

Edición: 1^a

Sinopsis

ISBN: 9780849390999

Integrating intelligent textiles into clothing is an exciting new field, which opens up a vast arena of applications. With revolutionary advancements occurring at an unprecedented rate in science and electronics the possibilities offered by wearable technologies are tremendous. As the technologies become more refined so that complex systems can be embedded unobtrusively in everyday clothing they will soon be more and more commonplace in commercial products.

Part one of Intelligent Textiles and Clothing is dedicated to phase change materials (PCM), part two explores the emerging field of shape memory materials (SMM) in some detail, and the third section deals with chromic materials (color change) and conductive materials. The final section of the book looks at current and potential applications.

Intelligent Textiles and Clothing draws on knowledge from a number of disciplines, including electronics, textiles, telecommunications, biotechnology, and medicine. The chapters represent an outstanding panel of international experts bringing a wealth of information together. This is an essential guide for all electrical, textile and biomedical engineers as well as academics and fashion designers.