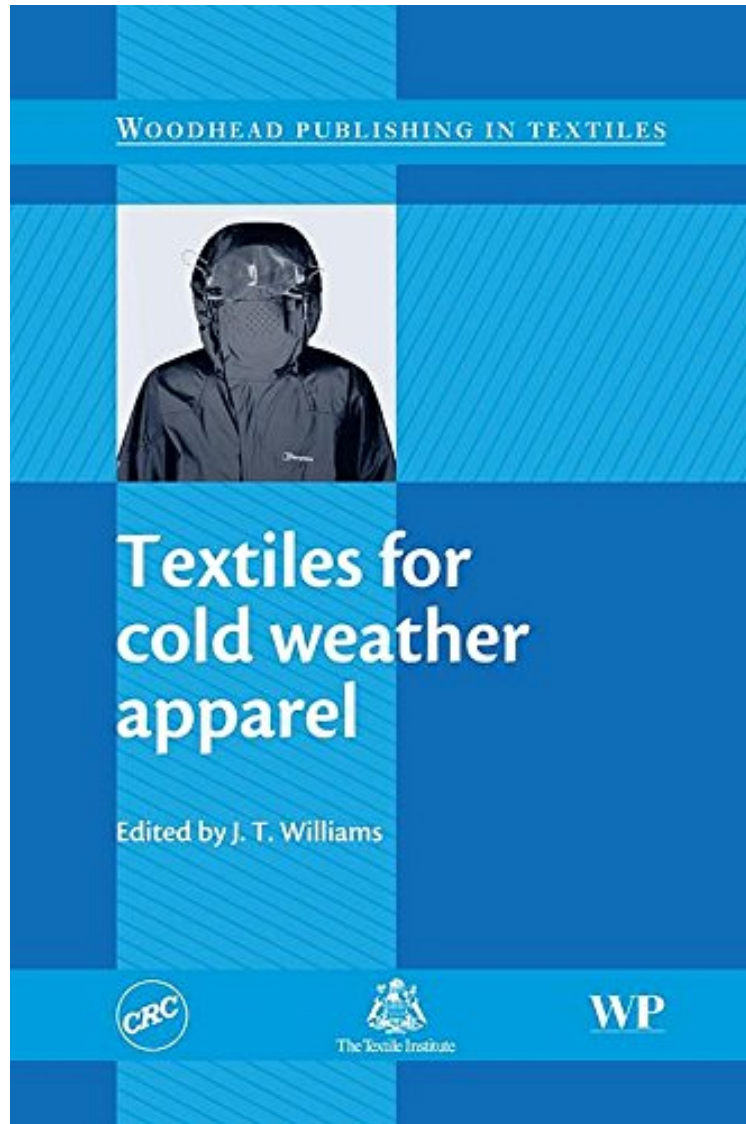


[Library ebook] Textiles for Cold Weather Apparel (Woodhead Publishing Series in Textiles)

## Textiles for Cold Weather Apparel (Woodhead Publishing Series in Textiles)

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**From Woodhead Publishing : Textiles for Cold Weather Apparel (Woodhead Publishing Series in Textiles)** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Textiles for Cold Weather Apparel (Woodhead Publishing Series in Textiles):

Cold weather can be a potential hazard to human health, adversely affecting physiological functions, work

performance and wellbeing. Designing suitable apparel for cold environments is therefore a complex task. Textiles for cold weather apparel reviews the principles, materials and requirements of cold weather apparel and will stimulate ideas for future innovation and improved end performance. The first part of the book covers the fundamental scientific issues and types of materials suitable for cold weather clothing. Topics include how to achieve comfort and thermoregulation in cold weather clothing as well as the use of coated and laminated fabrics. It also discusses design and ergonomic aspects such as designing for ventilation. Part two discusses ways of evaluating cold weather clothing, including standards and legislation governing cold weather clothing and laboratory assessments. Part three concludes with applications including cold weather apparel for the military and footwear for cold weather conditions. With an array of international contributors, this book is a valuable reference for producers, manufacturers, retailers and all those wishing to improve and understand developments in cold weather apparel. Reviews the principles, materials and requirements of cold weather apparel. Discusses design and ergonomic aspects including ventilation and insulation. Examines methods used to evaluate cold weather clothing as well as standards and legislation in practice.

**About the Author** Dr John T. Williams is a Senior Lecturer in the Textiles Engineering and Materials (TEAM) group, De Montfort University, UK. He has published numerous scientific papers and several book chapters dealing with protective clothing. Dr Williams has also presented numerous academic lectures internationally. He is a member of many groups including Euratex and TechniTex.