

Designing Apparel For Consumers The Impact Of Body Shape And Size Woodhead Publishing Series In Textiles

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Fashion in 21st Century China Bloomsbury Publishing USA

Circular Economy in Textiles and Apparel: Processing, Manufacturing, and Design is the first book to provide guidance on this subject, presenting the tools for implementing this paradigm and their impact on textile production methods. Sustainable business strategies are also covered, as are new design methods that can help in the reduction of waste. Drawing on contributions from leading experts in industry and academia, this book covers every aspect of this increasingly important subject and speculates on future developments. Provides case studies on the circular economy in operation in the textiles industry Identifies challenges to implementation and areas where more research is needed Draws on both industrial innovation and academic research to explain an emerging topic with the potential to entirely change the way we make and use clothing

The Dynamics of Fashion Woodhead Publishing

Given its importance for consumer satisfaction and thus brand success, apparel fit is a major challenge for retailers and brands across the industry. Consequently there have been major developments in sizing research and how it can be used in apparel design. This book reviews how these developments are affecting clothing design for different groups of consumers. Part one identifies various aspects of body shape, size, volume and the psychological aspects of designing apparel. This section covers topics such as body shape and its influence on apparel size and consumer choices, sizing systems, body shape and weight distribution (with a discussion of the Body Volume Index (BVI) versus the Body Mass Index (BMI)), and the psychological and sociological factors influencing consumers' choice of apparel. Part two outlines the challenges in understanding the sizing and shape requirements and choices of particular customer groups. This section discusses apparel designed for infants and children, older consumers, overweight and obese consumers, plus size Black and Latino women, apparel design for Asian and Caucasian ethnic groups, sizing requirements for male apparel, maternity apparel, intimate apparel for varying body shapes, and the challenges of designing headwear to fit the size and shape of Western and Asian populations. Designing apparel for consumers provides an invaluable reference for apparel designers, manufacturers, and R&D managers in the textile industry, as well as postgraduate students and academic researchers in textiles. Reviews developments affecting clothing design for different groups of consumers Identifies various aspects of body shape, size, volume and the psychological aspects of designing apparel Outlines the challenges in understanding sizing and shape requirements and choices of particular customer groups

A Bill to Provide Protection for Fashion Design Elsevier

This book offers cutting-edge knowledge on various design and product development related technologies, and applications of these technologies in fashion. Further, it envisions the future of these technologies when designing and engineering apparel-related products. Demonstrating how theory turns into practice, this volume presents the analysis of cases representing a successful collaboration between innovative technology and fashion. These current examples of industry and consumer cases with the use of various technologies will allow readers to fully connect how the industry currently implements these technologies into product design and development process as well as communicating with consumers. This text will serve as a valuable resource to researchers and educators in the fields of supply chain management, branding, marketing, fashion studies, textiles, and product design.

Shaping Sustainable Fashion Woodhead Publishing

This book is part of a five-volume set that explores sustainability in textile industry practices globally. Case studies are provided that cover the theoretical and practical implications of sustainable textile issues, including environmental footprints of textile manufacturing, consumer behavior, eco-design in clothing and apparels,

supply chain sustainability, the chemistry of textile manufacturing, waste management and textile economics. The set will be of interest to researchers, engineers, industrialists, R&D managers and students working in textile chemistry, economics, materials science, and sustainable consumption and production. This volume focuses on sustainability aspects of consumerism and fashion, emphasizing the environmental issues that stem from textile care and disposal, and how many of these practices detrimentally impact the environment. Also addressed is the role of consumer knowledge and behavior associated with the clothing industry that may exacerbate these issues, and what can be done to better inform consumers about more sustainable options available to them. The case studies presented cover environmental and social sustainability in the clothing industry, and sustainable development in luxury fashion networks.

Assessing the Environmental Impact of Textiles and the Clothing Supply Chain Elsevier

Geotextiles: From Design to Applications presents valuable information on the high performance fabrics used in soil separation, drainage, filtration, reinforcement, and cushioning. These polymeric materials offer solutions for geoengineering and other civil engineering specialties due to their advanced physical, mechanical, hydraulic, and endurance properties. This important book offers comprehensive coverage of the manufacture, functions, properties, designs, and applications of geotextiles. Part One begins with a chapter on the history of geotextiles, followed by chapters giving detailed reviews of the types of fabrics and their manufacturing processes, from resin type, to fiber extrusion, to textile fabrication. Part Two covers the properties, behavior, and testing of geotextiles, with Part Three focusing on applications dealing with the specific primary functions of geotextiles. In Part Four, chapters offer numerous general applications of geotextiles, including those in waste containment, marine engineering, walls/slopes, agriculture, and erosion control. Finally, the chapters of Part Five address quality control and assurance for geotextiles, and the increasingly important topic of sustainability. Reviews the types of fabrics used for geotextiles and their manufacturing processes Covers the properties, behavior, and testing of geotextiles Contains detailed discussions of the primary functions of geotextiles and their wide range of applications

Ink Jet Textile Printing Woodhead Publishing

This book is part of a five-volume set that explores sustainability in textile industry practices globally. Case studies are provided that cover the theoretical and practical implications of sustainable textile issues, including environmental footprints of textile manufacturing, consumer behavior, eco-design in clothing and apparels, supply chain sustainability, the chemistry of textile manufacturing, waste management and textile economics. The set will be of interest to researchers, engineers, industrialists, R&D managers and students working in textile chemistry, economics, materials science, and sustainable consumption and production. This volume discusses novel trends and concepts in sustainable textile design, including innovative topics such as doodling and upcycling in clothing and apparel design for sustainable fashion initiatives. Along with strategies for repurposing fashion sustainability, the book also covers university interventions for the development of proper and environmentally friendly design practices. Specific technologies addressed include UV applications, laser treatments for dyeing, refined surface design techniques for products such as leather.

A Study of Apparel Design Process Woodhead Publishing

This book explores the dynamic landscape of fashion in China since the beginning of the 21st century through an integrated perspective. The book considers key questions related to the changes in China's fashion dynamics driven largely by the shifts in the mindset of Chinese consumers due to the current sociocultural contexts. To provide an understanding of these important shifts, this three-part monograph pays close attention to the new generation of Chinese fashion designers and consumers. The book explores in detail related topics such as, how today's Chinese consumers relate to foreign brands, the meaning of apparel brands as identity symbols or cultural signs to contemporary young consumers, the attractiveness of Western fashion designers and brands in the eyes of current Chinese consumers as compared to past consumers, and how brands could adapt to the online-centered consumption behavior. The book serves as an insightful update on the Chinese fashion landscape for researchers, practitioners and passionate followers of its evolution.

Geotextiles A&C Black

Designing Apparel for Consumers Woodhead Publishing

Technical Sourcebook for Designers Elsevier

Clothing for Children and Teenagers: Anthropometry, Sizing and Fit addresses the complexities of developing size specifications for clothing aimed at seven to seventeen year olds. Children and teenagers experience rapid physical growth and alterations in body shape as they develop—changes that pose significant challenges in creating apparel sizing systems.

The book begins by introducing the principles of apparel fit and sizing systems. Drawing on the author's own fieldwork, it goes on to discuss methods of conducting anthropometric surveys in children and teenagers, and techniques for analyzing the resulting data in order to produce successful sizing systems. Introduces the principles of apparel fit and sizing systems, and discusses methods of conducting anthropometric surveys in children and teenagers Offers systematic and comprehensive coverage of the complexities associated with clothing for children and teenagers Reviews techniques in analysis and classification of children and teenagers' body shapes and sizes Covers the development, designation, and validation of an apparel sizing system for children and teenagers

Advances in Filament Yarn Spinning of Textiles and Polymers Woodhead Publishing

In recent years, all types of businesses have increasingly focused on the importance of the relationship with the customer. Customer knowledge management has become a well-known term used in the business and academic worlds for understanding how to control consumer behavior. The Handbook of Research on Managing and Influencing Consumer Behavior discusses the importance of understanding and implementing customer knowledge management and customer relationship management into everyday business workflows. This comprehensive reference work highlights the changes that the Internet and social media have brought to consumer behavior, and is of great use to marketers, businesses, academics, students, researchers, and professionals.

Clothing for Children and Teenagers Springer

As an emerging technology in the textile industry, digital printing allows the capability to print photo-realistic images on fabric that were never before possible with traditional textile printing methods. The possible consumer response to apparel products with digitally printed imagery is a largely unexplored topic that may be vital to the success of digital printing in the textile industry. The intent of this research was to determine what demographic characteristics, if any, may affect a general consumer's preferences concerning apparel products with digitally printed patterns. Eight photographic patterns were created and validated by design professionals concerning their representation of four basic design elements (line, shape, value, texture). An internet survey tool was developed to collect demographic data and determine general consumers' preferences for specific patterns when applied to six different gender specific apparel products. The subjects' choices were evaluated based on their pattern choices, the garments on which they were chosen, and subject demographics. The results of this research indicated that certain consumers prefer specific design elements within a printed pattern when purchasing apparel products, as well as specific garment styles in combination with these design elements. Some variables such as subject age and garment style had a great impact on which patterns were chosen, including the design elements represented in each pattern. The results of this research indicate the importance of the product design and development process of digitally printed apparel products.

Apparel Quality Woodhead Publishing

This user-friendly guide to evaluating apparel quality presents the roles of product designers, manufacturers, merchandisers, testing laboratories, and retailers from product inception through the sale of goods, to ensure quality products that meet customer expectations. Bubonia provides an overview of apparel production, with emphasis on quality characteristics and cues, consumer influences and motivations impacting purchasing decisions, and the relationship of apparel manufacturing and production processes, cost, price point and the quality level of an apparel product. A key aspect of the book is the focus on both U.S. and International standards and regulations required for apparel analysis, performance, labeling requirements and safety regulations. The text is highly illustrated with images of stitch and seam types plus photos of their uses in actual garments, providing students with the tools needed to skillfully evaluate and critique quality elements in apparel and textile products. Key Features ~ Supplementary Apparel Quality Lab Manual (sold separately) includes hands-on lab activities and projects that simulate real-world garment analysis and material testing ~ Industry Scenario boxes present case studies highlight real world situations such as the Lululemon recall and the environmental impact of apparel manufacturing ~ Provides an illustrated guide to ASTM stitch and seam types Teaching Resources ~ Instructor's Guide with Test Bank ~ PowerPoint presentations for each chapter PLEASE NOTE: Purchasing or renting this ISBN does not include access to the STUDIO resources that accompany this text. To receive free access to the STUDIO content with new copies of this book, please refer to the book + STUDIO access card bundle ISBN 9781501395338. STUDIO Instant Access can also be purchased or rented separately on BloomsburyFashionCentral.com.

Protective Clothing IGI Global

Wear comfort has been listed as the most important property of clothing demanded by users and consumers according to recent studies. A fundamental understanding of human comfort and a knowledge of how to design textiles and garments to maximise comfort for the wearer is therefore essential in the clothing industry. Improving comfort in clothing reviews the latest developments in the manufacturing of comfortable apparel and discusses methods of

improving it in various articles of clothing. The book begins by outlining the fundamentals of human comfort in clothing, from the human perception of comfort in apparel and factors which affect it such as the properties of fibres and fabrics, to laboratory testing, analysing and predicting of the comfort properties of textiles. Part two discusses methods of improving comfort in apparel, from controlling thermal comfort and managing moisture, to enhancing body movement comfort in various garments. Part three reviews methods of improving comfort whilst maintaining function in specific types of clothing such as protective garments, sports wear and cold weather clothing. The international team of contributors to *Improving comfort in clothing* has produced a unique overview of numerous aspects of clothing comfort, provides an excellent resource for researchers and designers in the clothing industry. It will also be beneficial for academics researching wear comfort. Reviews the latest developments in the manufacturing of comfortable apparel and discusses methods of improving fit in various articles of clothing. An overview of how to design textiles and garments to maximise comfort begins with factors affecting comfort and properties of fibres and fabrics that contribute to human comfort. Improvements in thermal and tactile comfort and moisture management are explored featuring developments in textile surfaces.

Advances in Apparel Production Woodhead Publishing

The second edition of this authoritative text has been updated to provide the latest information on the organization and operation of the fashion industry. It traces the steps of fashion apparel, accessories, and home fashions from research through design, manufacturing, and marketing, all the way to the final sale to the consumer. It explains the industry's various components, emphasizing technological changes and global perspectives.

Case Study Createspace Independent Publishing Platform

Anthropometry, Apparel Sizing and Design, Second Edition, reviews techniques in anthropometry, sizing system developments, and their applications to clothing design. The book addresses the need for the improved characterization of population size, weights and the shapes of consumers. This new edition presents the very latest advances, and is expanded to include in-depth coverage of sizing and fit for specific groups and applications. Sections cover the development of sizing systems, classification and body types, the use of anthropometric data, body measurement devices and techniques, including 3D scanners for the full body and for particular body parts, 4D scanning technology and motion analysis. Additional sections cover testing and the evaluation of fit and anthropometric sizing systems for particular functions, thus reflecting the increasing need for apparel to meet specific needs, such as in swimwear, protective clothing, mobility, intimate apparel, footwear and compression garments. This book will be an essential reference source for apparel designers, manufacturers, retailers and merchandisers. Its detailed information and data will also be of great interest to researchers and postgraduate students across clothing technology, product design, fashion and textiles. Reviews methods and techniques in anthropometry, sizing system development, and applications in clothing design. Enables users to understand and utilize detailed anthropometric data. Covers sizing and fit for particular uses, including protective clothing, compression garments, intimate apparel and footwear.

Leading Edge Technologies in Fashion Innovation Elsevier

The textile industry impacts the environment in a number of ways, including its use of resources, its impact on global warming, and the amount of pollution and waste it generates. *Assessing the Environmental Impact of Textiles and the Clothing Supply Chain* reviews methods used to calculate this environmental impact, including product carbon footprints (PCFs), ecological footprints (EFs), and life cycle assessment (LCA). The first chapters provide an introduction to the textile supply chain and its environmental impact, and an overview of the methods used to measure this impact. The book goes on to consider different environmental impacts of the industry, including greenhouse gas emissions, the water and energy footprints of the industry, and depletion of resources, as well as the use of LCA to assess the overall environmental impact of the textile industry. It then deals with the practice of measuring these impacts before forming a conclusion about the environmental impact of the industry. *Assessing the Environmental Impact of Textiles and the Clothing Supply Chain* provides a standard reference for R&D managers in the textile industry and academic researchers in textile science. Reviews the main methods used to calculate the textile industry's use of resources, its impact on global warming and the pollution and waste it generates. Reviews the key methods, their principles and how they can be applied in practice to measure and reduce the environmental impact of textile products. Includes the following calculation methods: product carbon footprints (PCFs), ecological footprints (EFs) and life cycle assessment (LCA).

Advances in Women's Intimate Apparel Technology Woodhead Publishing

This book provides essential insights into Chinese consumer behaviors in the growing and dynamic fashion market. With increasing consumer purchasing power, readily accessible global brands, heavy application of digital technology and social media, as well as growing awareness of environmental issues, the Chinese fashion industry faces great opportunities and challenges at the same time. The

contributing authors provide observations and address issues related to middle class fashion consumption, sustainable apparel consumption, technology application in fashion retailing, and the select traditional and new industry segments in the context of China's recent and massive economic boom. As such, the book offers an invaluable reference guide for all academics and practitioners interested in the Chinese fashion market.

Consumers' Comfort and Satisfaction with Co-design of Custom Apparel Using Computer-aided Design Springer Nature

The production, use and eventual disposal of most clothing is environmentally damaging, and many fashion and textile designers are becoming keen to employ more sustainable strategies in their work. This book provides a practical guide to the ways in which designers are creating fashion with less waste and greater durability. Based on the results of extensive research into lifecycle approaches to sustainable fashion, the book is divided into four sections: source: explores the motivations for the selection of materials for fashion garments and suggests that garments can be made from materials that also assist in the management of textile waste. Make: discusses the differing approaches to the design and manufacture of sustainable fashion garments that can also provide the opportunity for waste control and minimization. Use: explores schemes that encourage the consumer to engage in slow fashion consumption. Last: examines alternative solutions to the predictable fate of most garments – landfill. Illustrated throughout with case studies of best practice from international designers and fashion labels and written in a practical, accessible style, this is a must-have guide for fashion and textile designers and students in their areas.

Designing Apparel for Consumers Designing Apparel for Consumers

Manikins for Textile Evaluation is a key resource for all those engaged in textile and apparel development and production, and for academics engaged in research into textile science and technology. Creating garments that work with the human form, both stationary and in motion, is a complex task that requires extensive testing and evaluation. Manikins allow for performance testing of textiles in a safe, controlled, and appropriate environment, and are a key element in developing new textile products. Everyday apparel needs to be assessed for comfort, sizing and fit, and ergonomics, while technical and protective garments require extensive safety and performance testing. Manikins therefore range from simple representations of the human body to complex designs that simulate body temperature, sweating, and motion. Manikins are safe for use in hazardous testing environments, such as fire and flame protection, where wearer trials would be impossible. This book provides extensive coverage of manikin-based evaluation of protective, heat and flame resistant, medical, and automotive textile applications. The role of manikins in the development of day-to-day garments is also discussed, including fit, comfort, and ergonomics. The book is a key resource for all those engaged in textile and apparel development and production, and for academics engaged in research into textile science and technology. Delivers theoretical and practical guidance on evaluation using manikins that is of benefit to anyone developing textile products. Offers a range of perspectives on high-performance textiles from an international team of authors with diverse expertise in academic research, and textile development and manufacture. Provides systematic and comprehensive coverage of the topic from fabric construction, through product development, to the range of current and potential applications that exploit high-performance textile technology.

Improving Comfort in Clothing Springer Nature

This proceedings volume presents the latest research from the worldwide mass customization & personalization (MCP) community bringing together new thoughts and results from various disciplines within the field. The chapters are based on papers from the MCPC 2017. The book showcases research and practice from authors that see MCP as an opportunity to extend or even revolutionize current business models. The current trends of Industrie 4.0, digital manufacturing, and the rise of smart products allow for a fresh perspective on MCP: Customization 4.0. The book places a new set of values in the centre of the debate: a world with finite resources, global population growth, and exacerbating climate change needs smart thinking to engage the most effective capabilities and resources. It discusses how Customization 4.0 fosters sustainable development and creates shared value for companies, customers, consumers, and the society as a whole. The chapters of this book are contributed by a wide range of specialists, offering cutting-edge research, as well as insightful advances in industrial practice in key areas. The MCPC 2017 has a strong focus on real life MCP applications, and this proceedings volume reflects this. MCP strategies aim to profit from the fact that people are different. Their objective is to turn customer heterogeneities into opportunities, hence addressing “long tail” business models. The objective of MCP is to provide goods and services that best serve individual customers' needs with near mass production efficiency. This proceedings volume highlights the interdisciplinary work of thought leaders, technology developers, and researchers with corporate entrepreneurs putting these strategies into practice. Chapter 24 is open access under a CC BY 4.0 license via link.springer.com.