# Digital Fashion Innovations: Advances in Design, Simulation, and Industry

### **Table of Content**

Part A: Introduction

Chapter 1 - Defining Digital Fashion and Tracking the Developments in relevant Technologies

Abu Sadat Muhammad Sayem, Samit Chakraborty, S M Azizul Hoque, Kowshik Saha, Mushfika Tasnim Mica and Mominul Ahsan

Part B: Digital design and e-prototyping

**Chapter 2 - Clothing Fit Evaluation: From Physical to Virtual** 

Abu Sadat Muhammad Sayem

**Chapter 3 - The Virtual Fitting Process - How Precisely Does 3D Simulation Represent Physical Reality?** 

Simone Morlock, Christian Pirch, and Anke Klepser

Chapter 4 - Virtual Fit of Bodices constructed following Contemporary Methods

Md. Mazharul Islam and Abu Sadat Muhammad Sayem

Chapter 5 - Scan2Weave: Connecting Digital Anthropometry with 3D Weaving Technology

Yuyuan Shi, Lindsey Waterton Taylor, Vien Cheung and Abu Sadat Muhammad Sayem

### Part C: Digital human and metaverse

# Chapter 6- Processing data from high speed 4D body scanning system for application in clothing development

Yordan Kyosev, Vanda Tomanova and Tatjana Spahiu

#### Chapter 7 - Smart Mirrors: Augmented, but not yet reality

Hilde Heim

#### Part D: Digital business and promotion

# **Chapter 8 - Direct-to-Consumer Fashion Brands: The digitally native start-ups in the Retail Industry**

Annie Sautel and Sanjukta Pookulangara

#### **Chapter 9 - Fashion Marketing with Virtual Humans as Influencers**

Evrim Buyukaslan Oosterom, Fatma Baytar and Mona Maher

#### Chapter 10 - A review of blockchain technology for sustainable fashion

S.Y. Ng and P.Y. Mok