A creative journey developing an integrated high-fashion knitwear development process using computerized seamless v-bed knitting systems

This PhD applied a participatory action research approach to address the organizational problems that compromise the use of computerized seamless V-bed knitwear systems in the high-fashion knitwear sector. The research is a response to a widely acknowledged conflict between high-fashion design processes and processes by which designs are developed on computerized seamless V-bed knitting systems. The social, organizational, and technical aspects of design and manufacturing using computerized seamless V-bed knitting technology in high-fashion knitwear design were analyzed as a socio-technical system (STS). This approach led to a review of the workflows, tasks and roles; identifying and testing new design and manufacturing processes, design methods, and garment solutions; creating a theory model of a new integrated design process; and developing and testing new design processes, design methods, and fashion design education courses that teach these new fashion knitwear approaches. The research demonstrated a high-fashion knitwear designer can undertake all aspects of managing computerized seamless V-bed knitwear design and production to the completion of 1st sample, the first successful sample of a new fabric or garment, was produced using the computer knit data. This finding was developed into a new integrated design process and design methods that remove most of the problems of computerized seamless V-bed knitting systems in high-fashion and offers additional benefits including reduction in time to market and design costs, and increases in the creative solution space for high-fashion knitwear design. The researcher has called this new role, a ‘designer-interpreter’ to denote a professional knitwear designer with additional...
In the fashion industry, every fashion designer should follow fashion design development process to design a new dress. Fashion design mainly influenced by cultural and social attitudes, and it has varied over time, place and religion. Fashion designing knowledge is mainly comes from the theoretical background. Students are learned step by step fashion design development process from their institute. All of these information’s are very important for the beginner. When developing your designs for a new collection involves many components like inspiration, drawing, color, design functionality, t... a. Toile modeling: To develop a successful design, balance and fitting garment, three dimensional prototypes are essential.