THE EVOLUTION OF TEXTILE SUPPLYING HUMAN NEEDS: THE PRIMITIVE TO TECHNOLOGICAL

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ABSTRACT

One of the most influential factors for the creation of textiles was the need of primitive peoples, to protect themselves against severe temperatures, with the initial order to maintain their body temperature. This research aims at the development of the textile industry and the creation of new fibers, yarns and technologies under the aspect of social and cultural evolution of mankind, being able to verify the functional factors that technologically developed the industry to provide a material textile that meets social expectations and the physiological needs of its members. Thus, we see the need for differentiation, innovation and adding value to products in order to impress them and meet their needs in full.

Keywords: Textile design, technology, society, evolution.

INTRODUCTION

From primitive textiles made by cave dwellers to smart wires, capable of incorporating technological innovations and environmental concerns, a long history has been woven. A development which must be studied in its various details and developments, showing the interaction of progress in weaving with changes in customs (...). (Pezzolo, 2007, p. 7).

A wide path was traversed between the textiles conducted by the caveman to the development and evolution of fabrics and textile industry, reaching textiles currently regarded as intelligent. Man seeks, through its existence, meet their needs, as strategies to meet the challenges of survival. This may have been a factor for the emergence of textiles, originally used as a cover for the body, which in this role were named clothing.

Since the emergence of the first fabric, woven with natural fibers, through the integration and development of artificial and synthetic fibers, to the present day with said smart fabrics, we can observe how, at various times the origin of technologies was linked to the history of the textiles. (Menegucci, et al, 2011, p. 3).

The integration of technology applied to textiles and added to the development of new fibers and fabrics, it has transformed the clothes in a functional article, suggesting a greater response to real human needs and desires. This study aims to review the evolution of human needs, the angle of the textile development, with emphasis on the creation and integration of new technologies and materials in the industry, exemplifying how these advances transpired whole cultural and social evolution of humanity, drawing aspects textile demand.

This project seeks to make a literature review on how developed the textile industry, from the beginnings to the present textiles, explaining how these needs were being met throughout history, seeking to explain how they came about smart textiles concepts and how these
technologies can be perceived, in fiber, yarn, fabric and finishing process. This paper is intended to make a comparison on macro trends of behavior and technologies that can already be perceived in the market, called microtendência. Followed by the application of a questionnaire in order to understand what are the future needs related to textiles.

RESULTS AND CONCLUSIONS

Cover the body, protection and aesthetics are important attributes when associated the function of fabrics for garments. However, with the rapidly changing needs of today's consumers, a third dimension is emerging, the "intelligence" that is being integrated into fabrics to produce interactive textiles.

The fact to know the future gives us power over him, because we can prepare in advance to take advantage of the opportunities and defend us of future threats. Analyse and interpret these directions means identifying trends, so that understanding the macro trends can be very useful.

The application of high technology associated with trend research to textile products, does not mean make them more complicated, but they are perfectly integrated in objects of daily life, enhancing the functionality, performance and interactivity. The development of smart textiles require new reflections that involve disciplines of science the design, in the search for new solutions, thus generating valuable innovations for the segment. The challenges related to research and development of these new smart textiles and its adoption by the industry depend on the success of interdisciplinary technology and knowledge about the textile universe.

It can be inferred that innovations do not necessarily need to offer something completely new to the market. So many of the great advances being applied in existing technologies, along its creation and development to the present day, serving more and better human needs.

Thus, this research opens doors for future trials related to the segment of technical and smart textiles, trying to understand what their possible applications and uses in the future, considering factors related to macro trends and the evolution of society.

REFERENCES