

The role of the ergonomics on garment sector within the developing technology

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On every stage of our life, we observe technological developments on the products and communication instruments we use. In the world of technology that changes rapidly the question might come to mind that Will the role of the ergonomics on design of human machine systems lose its effect? We can declare that with the technological development all over the world, as a practical science with the ergonomics, that should be benefited from will not lose its importance, the intensity of the research will increase from the physical ergonomics towards the cognitive ergonomics. With the technological development, in fact the human benefits from the technological change while evaluating the systems those include many parameters, but the last decision maker is human as usual and as in all the automatic systems the human maintains its crucial role in every kind of system. It is possible to state that hybrid human machine systems those compose of various elements and can be solved, when needed, with deterministic, probabilistic and fuzzy models which will become more complex via high level technology. For instance, if the humans and the robots are working together in a production system, if in case of

a malfunction in production a robot that does not stop like human and might cause much more bigger destruction in production or business systems security. In this study, we tried to examine from various perspectives and changing process and the role of the ergonomics in garment sector's business life within the technological development over the world.

Biography

Özlem Kaya completed her Degree in 2004 and her Masters degree on the topic of The Analysis of Branding Level of Small Scale Firms in Leather Clothing Industry at Selçuk University in 2008. She asserted her PhD thesis which was on the topic of The Effects of Supply, Production and Logistics Activities of Textile –Clothing firms in Turkey on National Competition. She has been continuing her academic career at Hittite University since 2009. She acted as a subject expert for various commissions/universities and also as paper setter and evaluator of different institutes/universities. She has a lot of articles which were published in national and international journal. She is the member of Association of Turkish Ergonomics.

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