

The Functional Value of Smart Materials in Design of Luminous Jewellery

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Abstract:

The research sheds light on what smart materials are and their types, dealing with the values of jewellery design, especially the functional values through the use of electric painting and used it Different as a smart material. People who are exposed to a dark environment, which exposes them to fear and to find a source of light that restores peace to them, So they need a close source of light that is easily accessible in the form of a piece of jewellery that carries an aesthetic and functional value, allowing it to illuminate the surroundings without occupying the hands, so the research problem can be formulated in a The question: Is it possible to find innovative design for luminous jewellery using smart materials? The importance of the research is summarized in finding new design for luminous jewellery using smart materials. as The research aims to take advantage of the technological development of smart materials such as electric painting to influence the development of the functional, use, aesthetic and economic aspects of luminous ornaments that help the wearer in illuminating the surrounding place in the dark. The results of the research is that smart materials are the next generation that can influence various fields, including the design of contemporary jewellery, the creation of new functional visions in the field of metal jewellery, as the development in smart materials has become fast and variable, so The product designer must keeps pace with this development and employs it optimally to serve the user

Keywords:

Smart Materials - Electric Paint - Conductive Ink- LED- Luminous .jewellery