

Proactive Home Furnishings: Inspiring From Interactive Art for Designing  
Functional Aesthetics in a Space

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Abstract

This paper presents our vision of the futuristic product. Proactive Home Furnishings allows user to realize (useful) information embedded of physical objects and/or on the top of architectural surfaces. Proactive Home Furnishings also display as interactive art form through the used of interactive techniques and computer graphics in an augmented physical object. The goal of Proactive Home Furnishings is to create the combination between both the digital aesthetics and the functional information, as well as seamless with living environment in a soothing way. This paper describes five interactive artworks used biomimetic perspective to develop the interaction feature - MSOrgm, Lbskeletons, Portrait of Dandelion, Artificial Phototropism, River Space. We treat them as pioneers to investigate the ongoing relation between the user and the home furnishings in a future living.

Keyword : Design philosophy of HCI and UX, biologically-inspired computing, responsive environment, digital art, interactive installation.