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A Study of Shigeru Ban's Environmentally-Sensitive Design Approach

Authors: Duygu Merve Bulut, Fehime Yesim Gurani

Abstract : The Japanese architect Shigeru Ban has succeeded in bringing a different understanding to the modern architectural design approach with both the material selection and the techniques he used while combining the material with the design. Ban, who reflects his respect to people and nature with his designs, has encouraged that design should be done with economic materials, easily accessible and understandable for everyone. Because of this, Ban has attracted attention and appreciated in the architectural world with his environmentally-sensitive design ideology and humanitarian projects. In order to understand Ban's environmentally-sensitive design approach, with this article, Ban's projects which have used natural materials; the projects of Ban's Japenese Pavilion in Germany, Papertainer Museum in South Korea, Centre Pompidou-Metz in France and Cardboard Cathedral in New Zealand were examined and analyzed. In the following parts, 'paper tube' technology that creates awareness in architectural area, which developed and applied by Ban; has been examined in terms of building material and structure of sustainable space design. As a result of this review, Ban's approach is evaluated in terms of its contribution to the understanding of sustainable design.

Keywords: ecological design, environmentally-sensitive design, paper tube, Shigeru Ban, sustainability

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