

**FOUNDING EVALUATION INDICATORS AND SCALES OF CREATIVITY
AND AESTHETICS OF INTERIOR DESIGN WORKS
BY APPLYING FUZZY-LOGIC SYSTEM**

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ABSTRACT

In the profession of interior design, in addition to satisfying the basic needs for function, creativity and aesthetics are two key factors which influence the additional values and preference of a work. But what are creativity and aesthetics? What qualities or characters of a design work should possess in order to be regarded as creative and aesthetic? These are key issues but have not been explored systematically. The advanced progress of artificial intelligent such as Fuzzy-Logic in the recent decades provides further possibilities and breaking through for the scientific research on those sensational concepts such as creativity and aesthetics which are fuzzy, vague and beyond observation. By applying Fuzzy method, questionnaire and experts meeting, this research is aimed to analyze constructional components and their images and characters of creativity and aesthetics of interior design works based on the data collected from 948 samples. The result of this research will be used as the basic foundation for further exploration of drawing up evaluation indicators and scales of creativity and aesthetics of interior design works.

KEYWORDS: *Creativity, Aesthetics, Interior Design, Fuzzy Logic*

Received: Jan 15, 2016; **Accepted:** Jan 21, 2016; **Published:** Jan 27, 2016; **Paper Id.:** IJEEFUSFEB201611