

عنوان مقاله:

Analyzing Augmented reality application to present designing patter of housing open space

محل انتشار:

دومین کنفرانس ملی بازیهای رایانهای؛ فرصتها و چالشها (سال: 1395)

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خلاصه مقاله:

In recent decades, the indoor housing space have been decreased in Iranian capital cities. That is why the housing open space become important and it house some social activities. Based on environmental psychologist perspective, the physical factors of environment have effect on household feeling and wellbeing that increase the usability of housing open space. Sense of community is one the major principles in analyzing effect of physical elements in human behavior. After analyzing this principle in two residential complexes in Isfahan, Iran, the result show that four landscape elements have major impact on household feeling than any other factors. Until fairly recently visual elements of these factors is not study by any researches. So this research tries to implement a new methodology that can convey visual factors of physical elements and their designing patterns to human cognition. After long searching for a practical method, finally augmented reality have been chosen. In the first step, a 3D scan of housing open space is captured and import to an augmented reality softwares. The user can see the open space and added visual physical elements simultaneously in AR head mounted display and unleash his feeling about them. The results shows that not only Augmented Reality is an ideal methodology for analyzing human feeling about visual type of physical elements and designing patterns but also shows a enormous capabilities in other architectural research filed.

کلمات کلیدی:

Augmented Reality, Sense of Community, Residential Complex, Environmental Psychology

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