The Virtual Reality Science Museum of Kongju National University in Korea

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We will present our recent developments of the virtual reality science museum (VRSM) of Kongju National University in Korea. Our group works together to build the VRSM covering many scientific areas. The purposes of the VRSM are (1) the development of new concept of science museum for the 21C science education, (2) the contribution to the popularization in science literacy for citizens, and (3) the development of new teaching and learning methods in science education, etc.

A virtual reality science museum (VRMS) is a new concept of the educational system using VR interface, which brings together a 3D model of some real scientific situation and a virtually real visualization of the natural phenomena. And clients control the virtual world in terms of their scientific understanding. There are many virtual show-rooms such as the experience of virtual reality, the exploration of the space universe, the exploration of the earth and its’ environment, the exploration of physical world, the exploration of materials, the exploration of life and human, the exploration of mathematics, and the exploration of high-technology, etc. The url address of VRMS is http://science.kongju.ac.kr/cyber_science/web/original/.