

Professional scientific sessions for art, architecture and urban planning Thursday evenings

Held in: Conference hall of Herampey Consulting Engineers

Date: 27.07.2017

Title: Application and capability of 3D glasses in the presentation of architectural projects.

Speakers and panel members: Mr. N. Norouzi and Mr. M. Saffar.

The first speaker was Mr. Norouzi. He began his speech saying why the use of 3D glasses has become a necessity, while at the beginning it had been introduced as an entertainment tool.

Before talking about the use 3D glasses in design and architecture fields, Mr. Norouzi presented and explained the systems that permit the creation and application of such glasses. The first system is the pyramid one, where the ruling group occupies the top of the pyramid and the rest occupies the lower levels of the pyramid. The characteristic of this system is that the persons lying in the lower levels of the pyramid can't reach the top levels that are an exclusivity of the rulers.

The second system called ryzor. In this system the designers tried to exclude the monopole existing in the field. The designer of this system have been inspired by the plant called ryzor that grows in an independent manner on the ground. The philosophy of this system is the decentralization. The first international sample is the internet designed in base of this system. Internet permits the same and equal access to all.

Continuing his speech Mr. Norouzi talked about the VR systems that were introduced in commercial market for public use, as game tools. In the next step the VR system was upgraded for design purposes, when designers and architects enjoyed the upgraded capacities of this system. In this system the designer is able to make changes. The customer can see and feel the design through the 3D glasses and pretend different solutions and changes to the designer. Mr. Norouzi presented and explained the characteristics of the AR system that has different characteristics, improving the interaction between the designer and the employer.

The second speaker was Mr. Saffar. He began his speech talking about the VR and AR system and how the Iranian companies hesitate to introduce them in the Iranian market, fearing that the users will not welcome the new technologies and innovations. This is the reason that in Iran the consumers continue to use tools and technologies that in other parts of the world are outdated. He expressed that in the next future the new technologies and solutions will substitute the outdated tools.

Talking about the AR technology, Mr. Saffari explained that it can uploaded on the mobile phones, in order to be accessible wherever. This capability permits to present any type of product to the potential buyers, like cars, apartments...This technology has been also used by architects to improve their works characteristics.

In the VR system it can be uploaded on a computer system, having greater capabilities to satisfy the users' needs. Mr. Safari explained that today limited users have the possibility to use the VR system, but in the next future this tool will be used by more architects and designers to introduce their ideas and projects to the customers.