

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

Held in: Conference hall of Herampey Consulting Engineers

Date: 17.04.2014

Title: Light in arts, architecture and architecture

Speakers and panel members: Mr. M.F. Hanifi, Mr. H. Moslehi, Mr. S. Noursalehi and Mr. M.M. Mahmoudi

The light and lighting has a great importance, so the architects used it (natural and artificial sources) in the design process to achieve the best results. Le Corbousier says that architecture is a mixture of volumes shown in lighting situations.

The first speaker of the 17-th session was Mr. M.M. Mahmoudi who began his speech talking about the church of Rochant in Algeria, designed by Le Corbousier, inspired by an Islamic monument. In this project Le Corbousier took in consideration the local strong lighting conditions to create a structure that doesn't follow specific rules in lighting the interior. Mr. Mahmoudi stressed the importance of the scientific and professional knowledge of the architects, when they use lighting sources in their works.

The second speaker was Mr. H. moslehi, who spoke about the lighting process and concept. He explained the importance of natural lighting, especially in Iran that under this aspect is a reach country, so the architects and designers should pay attention to this particular characteristic. About some Iranian structures, where the Iranians used particular techniques to light and stress the monuments specificities they built. Some examples are the Burned city buildings, religious buildings in Sassanid era, where through the openings in the buildings they gave solutions to structural and lighting problems.

The last speaker was Mr. M.F. Hanifi who spoke about the problems that the mislighting has caused in different countries (the so called lighting pollution). Mr. Hanifi gave many examples that cause this kind of pollution; most of them are the consequence of a misuse of lighting tools. Mr. Hanifi explained that this kind of pollution has many negative effects on humans, animals and plants that should be taken in consideration very seriously. At the end of his speech Mr. Hanifi spoke about the lighting problems in Tehran, where most of these problems are caused by the absence of a complete regulation related to the matter, and of course an over and exaggerated use of lighting sources complete the sphere of the problems.