

Iran Engipedia

First scientific professional session, summer 2019

Venue: Ramzan Conferences Int'l Center

Date: Wednesday 18th September 2019

Speech title: Iran Engipedia, necessity and application

Speakers: Mr. A. Tavafogi, Mr. M. Golabchi and M. Kyani

Mr. M. Golabchi

he began his speech posing questions regarding the applications and necessities of engineering encyclopedia, why it should be edited, what could we learn from it, country's which problems would be solved? Mr. Golabchi asserted that the big challenge enterprises by Mr. Mahmoudi which problems of Iran would face and solve. Talking about the history of technology in Iran, engineering knowledge and the excellent achievements of Iranian civilization, he mentioned the main reasons that stress the necessity of Iran Engipedia edition that are as follows:

- 1-A revision of Iranian architecture and engineering
- 2-The role of Iran in the development of technology and engineering in the world
- 3-The quality of engineering structure in today's Iran

Mentioning and showing Iranian architectural monuments and buildings with millenary history and heritage, Mr. Golabchi said that it was an excellent source of inspiration. Talking about structures that after 15 centuries are still firm and stable, it shows the excellence in design and technology in engineering lasted for centuries. Talking about Soltanieh dome, he asserted its value and original construction becomes more interesting and precious as engineering solution when compared with the dome of Santa Maria del Fiore in Florence, and how it was inspired by the Iranian dome.

Mr. Golabchi continued his speech he spoke Iranian engineering structures and solutions and how at that time were self sufficient to provide clean energies and environmental friendly. He spoke about the bridge of Sioseh Pol in Isfahan that being an engineered structure was used at the same time to encourage and improve social contacts, permitting the transit of pedestrian flows through the bridge. Mr. Golabchi talked also about the role and influence that had structures like the mosque of Shiek Lotfollah or the Naqshe Jahan square in everyday life of Iranian society.

Mr. Golabchi talked also about twelve countries that surround Iran and how Iranian engineering

school inspired and influenced the construction of monuments like Tajmahal. He explained how Iranian engineering mind had decisive role in engineering-architecture, irrigation, water sources engineering, mathematic, astrology, physics, chemistry, geography, handicraft, urban planning, urban spaces development, military industries...

After talking about generations of Iranian scientists and researchers, Mr. Golabchi talked about problems that in our days affect the Iranian society and how the society risks a lot for example during a possible earthquake. All these lacks show how modern Iranian engineering school must adopt a course of revision and revitalization.