



International Congress for  
Hospital Build & Facility  
Management

## *International Congress for Hospital Build & Facility Management*



Iran University of Medical Science

4<sup>th</sup> specialized congress and 1<sup>st</sup> international congress for hospital build & facility management is held in 10-11 December 2017 by the attempts of Iran University of medical Science and National Health Charity Community by the cooperation of Healthcare Commission of Islamic Council Assembly; Budget and Plan Organization; Physical Resources Development and Civil Affairs Office of Ministry of Health; Food and Drug Administration (FDA); Medical Council of Islamic Republic of Iran; Public Facilities and Buildings Enforcement Agency of Ministry of Roads and City Planning; Center for Hospital Management and Clinical Service Excellence; Center for Disaster Management and Emergency Response; Center for Monitoring and Accreditation of Health Care; Center for Occupational and Environment Health; Iranian Society of Consulting Engineers; Shahid Beheshti University of Medical Science; Tehran University of Medical Science; Faculty of Architecture and Urbanization of Shahid Beheshti University; Tehran University; Social Supply Organization (SSO); Hospital Management Researching Institute; Scientific Society of Hospital Administration; Iranian Society of Medical Device Specialists; OZAN and Iran Housing Investment Company, a subsidiary of SSO and Standard Administration of Tehran, with specific website of [www.hospitalbuild.ir](http://www.hospitalbuild.ir) together with festival for honoring the health philanthropists and pioneers for hospital build and retraining rating for specialists, managers and experts and specialized workshops , in Razi International Conference Center.

### **Congress Slogan:**

“Congress motto is creating the national commitment for coordinating related organizations and increasing the attraction of public cooperation for building and equipping the safe hospitals by innovative designs.

### **Objectives of Congress:**

The purpose of congress is integrating and coordinating between all related organizations and institutes having activity in the field of hospital build and facility management in the levels of needs assessment; designing, consultation; approval; contracting; implementation; supervision and operation in order for increasing the efficiency of sources and attracting the public cooperation as well as building and equipping new hospital equipment based on international and national standards and better servicing to the patients.

### **Topics of Congress:**

- 1- New approaches and international experiences for financing, manufacturing, equipping and operating the hospital and solutions for increasing the public cooperation;
- 2- Designing, building and equipping the Mega hospitals;
- 3- New approaches and technologies for designing, building and equipping the future hospitals;
- 4- Secure hospitals responding under crisis occasions, natural accidents and disasters;
- 5- Modern hospital installations and optimal approaches for reducing the energy consumption in hospitals;
- 6- Modern equipment in future hospitals;
- 7- Maintenance engineering and managing the physical resources and hospital equipments;
- 8- Challenges and approaches for designing and building and equipping the hospitals;



***1- New approaches and international experiences for investment and solutions for increasing the public cooperation***

- Public private partnership for development of health sector and solutions for increasing the public participation such as Iranian people living overseas;
- Emerging markets (opportunities for investment on health);
- Solutions for holding the consortiums for designing, manufacturing and equipping together with funds supplier;
- International experiences for building the hospitals and challenges for funding in Iran;
- Funding solutions required for hospital build by transferring/ cooperation,...;
- Building and operating the hospitals by the resistance economic approach;
- Investment on IT infrastructures.

***2- Designing, building and equipping the mega hospitals***

- Different methods for selecting the consultant and process for designing the mega hospitals;
- Comparative study and evolution of creation of mega hospitals in the world;
- Studying the efficiency of mega hospitals in the world;
- Selecting the land and indicators influencing on property of lands for mega hospitals;
- Planning and designing the mega hospitals proportional to health need assessment of these hospitals;
- Reviewing the four functional relationships (materials, patient, personnel and accompanies) and their effect on designing the hospitals;
- Solutions for modifying the motion flow of patients in the hospital;
- Methods of construction management and project control for implementing the mega hospitals.

***3- New approaches and technologies for designing, building and equipping the future hospitals***

- Optimizing the designing proportional to current budget constraints;
- Establishing the relations of sustainable approach with designing and building the projects;
- Evaluating the effects of hospitals on environmental pollutions;
- Intelligent hospitals and their effects on way of designing the hospitals;
- Digital hospitals and modern IT technologies in future hospitals;
- Role of innovations and modern medical technologies in interior space of hospitals;
- Strategies for engagement of stakeholders (physicians, personnel, patients and their accompanies) in hospital design;
- Reviewing the modern hospital materials and innovation in interior design and fine works and providing the arrangements for implementing them in the hospitals;
- Reviewing the buildup of modern structures in designing the future hospitals;
- New approaches for designing the specials treatment centers such as Comprehensive Cancer Centers, Children's Hospitals,...;
- Strategies for creating the desirability in the hospitals by improving the quality of interior spaces;
- Solutions for creating the flexibility in designing and building the hospitals.



**4- *Secure hospitals responding under crisis occasions, natural accidents and Disasters***

- Feasibility study and indicators for determining the land of secure hospitals;
- Approaches for designing and building the secure hospitals by defense approach;
- Designing methods and technologies for building the mobile and modular hospitals;
- Designing methods and technologies for building the prefabricated hospitals.

**5- *Modern hospital installations and optimal approaches for reducing the energy consumption in hospitals***

- Promoting and improving the management of energy consumption by modifying the methods for designing, implementing and operating the hospitals;
- Scientific approaches for replacing the sustainable, clean and new energy carriers with existing energy sources;
- Modern standards for designing and implementing electric and mechanical facilities of hospitals;
- Promoting the existing platform for intelligent control of hospital installations and equipment;
- Modern approaches for hospital air conditioning;
- Modern infrastructures for low current electricity and low voltage electric current in medical equipment and facilities;
- Existing challenges for eliminating the hospital wastes and improved sanitation;
- Promoting and improving the situation of eliminating the wastes and safe discharge of sewages for existing hospitals by benefiting from international experiences and modern methods.

**6- *Modern equipment in future hospitals***

- Need assessment and determining the technical specifications of modern medical equipment;
- Method of activity and cooperation of supplying companies and consultants of medical equipment in hospital design;
- Modern strategies for meeting the requirements for installing and launching hospital equipment;
- Plan for equipping the hospital by the approach of optimal usage of limited resources;
- Attracting the capacities of public sector for equipping the hospitals;
- Challenges for maintenance of equipment in existing public hospitals and proposed solutions;
- Modern and advanced equipment and challenges for using them in existing hospitals;
- Supply management and supporting the medical equipment;
- Innovation in technology.

**7- *Maintenance engineering and managing the physical resources and hospital equipments***

- Removing the challenges ahead for promoting and transient from traditional maintenance and repair towards mechanized and efficient maintenance management;
- New approaches for developing the computerized maintenance management system (CMMS);
- Optimized solutions for establishing new approaches of managing the resources and equipment maintenance such as preventive and supportive approaches;
- Reviewing the key and effective role of financial areas and supporting for attaining the results required by maintenance management;



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- Economic aspects and efficiency of mechanized maintenance management of physical sources and equipment of health service;
- Role of management system and electronic archive of documents in the physical sources and equipment maintenance process;
- Redefining the situation of hospitals managers, engineers and technical observers as well as contractors of facilities and equipment for maintenance management;
- Technologies and techniques for facility management and solutions for executing them in the hospitals.

### ***8- Challenges and approaches for designing and building and equipping the hospitals***

- Issues for hospital build and executive management challenges;
- Solutions for enforcing the non-structure elements in the hospitals;
- Methods for management and supervision on designing, building and equipping the hospital and role of consultants.

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