



INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»

59th Course: HOSPITALS AND HEALTHCARE INFRASTRUCTURES OF THE FUTURE

Planning, designing and managing the facilities for the new global healthcare: bridging the gap between designers and Public Health professionals

ERICE-SICILY: 15 – 18 MARCH 2023

Sponsored by the: • Italian Ministry of Education, University and Scientific Research • Sicilian Regional Government

PROGRAMME AND LECTURERS

WELCOME ADDRESSES

- G.M. FARA, G. GIAMMANCO, C. SIGNORELLI, F. VITALE
Directors of the School
- S. CAPOLONGO, D. D’ALESSANDRO, A. CASUCCIO, M. FERRANTE
Directors of the Course
- R. SILIQUINI, President of the Italian Society of Hygiene, Preventive Medicine and Public Health (SItI), Turin, IT

MASTER LECTURES

Re-think the territorial medicine and the role of hospitals for a global defy of Public Health

- S. BRUSAFERRO, President of the National Institute of Health, Rome, IT

Enabling the future of hospitals in the WHO european region

- M. CHAOUALI, WHO Collaborating Centres EU

INTERNATIONAL LANDSCAPE

From “signs of change” to “next generation hospitals”

- S. CAPOLONGO, Politecnico of Milan, IT

Healthcare design approach in Spain

- A. De PINEDA, Pínearq, Barcelona, ES

Healthcare design approach in Brazil

- M. NASCIMENTO de OLIVEIRA, Instituto de Pesquisas Hospitalares Jarbas Karman – IPH, São Paulo, SP, BR

HOSPITAL DESIGN & MANAGEMENT

Architecture and medicine

- M. MAURI, National Center for Hospital Building and Technology (CNETO), Milan, IT

Hospitals: innovative architectural models

- M. CARABILLÒ, “Planning for Health”, Milan, IT

Managerial models in the hospitals: what is there and what will come

- L. CHIAPPA, IRCCS Policlinico Milan, IT

New frontiers for the organizational models of the Italian National Health Service

- S. TAFURI, University of Bari, IT

ARCHITECTURES FOR THE HEALTHCARE NETWORK

Community healthcare centres, community hospitals

- M. BUFFOLI, Politecnico of Milan, IT

Long-term care facilities and senior living

- S. MANGILI, Politecnico of Milan, IT

Emergency-Urgency network and its operations center

- A. ZOLI, Regional Agency for Emergency-Urgency (AREU), Milan, IT

Vaccinal hubs: Conversion prospects

- C. COSTANTINO, University of Palermo, IT
- C. SIGNORELLI, Vita&Salute University, Milan, IT

Healthcare design approach in Scandinavia

- C. CAIRA, Chalmers University of Technology, Göteborg, SE

RISK ASSESSMENT & MANGEMENT

Designing healthcare-associated infections control

- A. AGODI, University of Catania, IT

Health promoting hospitals: Public health interventions, now and then

- A. CASUCCIO, University of Palermo, IT

Mangement of environmental risks in the healthcare facilities: From the early innovations to the full project

- M. FERRANTE, University of Catania, IT

Management of air quality in healthcare facilities

- G. SETTIMO, National Institute of Health, Rome, IT

Evidence based design

- G. LINDAHL, Chalmers University of Technology, Göteborg, SE

PURPOSE OF THE COURSE

In the last few years, the social transformation, accelerated by the Covid-19 pandemic, the aging of the population, and the consequent increasing of chronicity, has moved the focus of the healthcare system toward a plurality of new facilities. These have been proposed to optimize the response to the different healthcare needs of the population. While hospitalization remains the only choice for complex and acute diseases, most issues can be addressed in local facilities (structure of proximity), able to offer a more widespread and effective delivery of social and healthcare services. Recently, the D.M.77 of 23rd May 2022 has regulated models and standards for these different kinds of facilities: in most cases, they are still in the design phase, therefore poorly known by the healthcare professionals and even less by the population. The “Next generation EU”, a financial plan recently approved by the European Union to help member countries to push their resurgence after the SARS-CoV-2 pandemic, has brought to our Country additional resources. Part of these will be used, according to the PNRR, to realize a solid network of proximity facilities to respond to the pre-hospital medical needs, such as “Community Healthcare Centers” and “Community Hospitals”. As the Scientific Community demonstrated, the quality of spaces plays an important role in the medical processes, contributing both to improve the experience and comfort perceived by users and to increase the efficiency of staff. For this reason, hospital planners and stakeholders are called to act and give rise to user-centered systems in terms of comfort, efficiency, and organizational-operational effectiveness, with an evidence-based design approach.

The LIX Course intends, first, to help the future public health professional get acquainted with the new different healthcare facilities and, next, to share knowledge and tools to cooperate with architects and other figures involved in healthcare design. Issues like the evolution of “Architectures for Health” regarding different fields of interest such as building typologies and functional layouts, sustainability, and flexibility, will be considered during this course.

APPLICATIONS

Those who intend to join the course are invited to fill the form at the following URL:

<https://forms.office.com/e/94fXp6e9nh>

Information about the course can be obtained from the Secretary of the Course:

Dr Andrea Rebecchi
DABC Politecnico di Milano, Milan, Italy
email andrea.rebecchi@polimi.it - tel +39.02.2399 5180

POETIC TOUCH

According to legend, Erice, son of Venus and Neptune, founded a small town on top of a mountain (750 metres above sea level) more than three thousand years ago. The founder of modern history — i.e. the recording of events in a methodic and chronological sequence as they really happened without reference to mythical causes — the great Thucydides (~500 B.C.), writing about events connected with the conquest of Troy (1183 B.C.) said: «After the fall of Troy some Trojans on their escape from the Achaei arrived in Sicily by boat and as they settled near the border with the Sicanians all together they were named Elymi: their towns were Segesta and Erice.»

This inspired Virgil to describe the arrival of the Trojan royal family in Erice and the burial of Anchises, by his son Aeneas, on the coast below Erice. Homer (~1000 B.C.), Theocritus (~300 B.C.), Polybius (~200 B.C.), Virgil (~50 B.C.), Horace (~20 B.C.), and others have celebrated this magnificent spot in Sicily in their poems. During seven centuries (XIII-XIX) the town of Erice was under the leadership of a local oligarchy, whose wisdom assured a long period of cultural development and economic prosperity which in turn gave rise to the many churches, monasteries and private palaces which you see today.

In Erice you can admire the Castle of Venus, the Cyclopean Walls (~800 B.C.) and the Gothic Cathedral (~1300 A.D.). Erice is at present a mixture of ancient and medieval architecture. Other masterpieces of ancient civilization are to be found in the neighbourhood: at Motya (Phoenician), Segesta (Elymian), and Selinunte (Greek). On the Aegadian Islands — theatre of the decisive naval battle of the first Punic War (264-241 B.C.) — suggestive neolithic and paleolithic vestiges are still visible: the grottoes of Favignana, the carvings and murals of Levanzo.

Splendid beaches are to be found at San Vito Lo Capo, Scopello, and Cornino, and a wild and rocky coast around Monte Cofano: all at less than one hour’s drive from Erice.

More information about the activities of the Ettore Majorana Foundation can be found on the WWW at the following address:
<https://ettoremajoranafoundation.it>

PLEASE NOTE

Participants must arrive in Erice no later than 12 a.m. on 15th March 2023.