



**INTERNATIONAL SEMINAR
PROSPECTIVE IFHE-2021**

HOSPITAL ^{OF THE} FUTURE
XVIII INTERNATIONAL CONGRESS SMAES

REGENERATE HEALTH WITH
**INTELLIGENCE...
ARTIFICIAL**



www.smaesac.org
www.ifhe.info
www.congreso2021.smaes.org

Nov. 2021 **CDMX**
6TH-10TH MEXICO CITY

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1st ANNOUNCEMENT

IFHE International Prospective Seminar 2021

SMAES 18° International Congress

"Hospital del Futuro"

MÉXICO-CDMX. 6-10Th November 2021

"Regenerate health with Intelligence...but Artificial"



www.turismo.cdmx.gob

INTRODUCTION

The weaknesses that most of the health systems of the different countries have been shown and evidenced through the impact generated by the Covid-19 pandemic. It was on January 30, 2020 when the World Health Organization (WHO) established that the outbreak of severe acute respiratory syndrome (SARS-COV2) constitutes a public health emergency of international importance, and later, on March 11, the "coronavirus" is declared a pandemic. However, the Organization for Economic Cooperation and Development (OECD) had established in its report "Health at a Glance 2019" that as of 2015 in 19 countries life expectancy decreased and in recent years respiratory diseases took on more lives, particularly in the older population. The foregoing reflects that, before the pandemic, the performance of health systems presented significant lags and inequities in quality, timeliness, sufficiency, coverage, and demand for health care services, negatively affecting the health status of the population.

MULTIPLE IMPACT and HEALTH

This pandemic has also taught us: it has created a clear opportunity to reflect individually and has placed us in the true dimension of who we are and what we have; the pandemic affects the social, economic and environmental spheres, that is sustainable development; we highlight the impact on education, science and culture, industry, employment, energies, mobility and transport, climate and nature, housing, the development of cities and the countryside, just to mention some sectors or niches, therefore, the pandemic has created the greatest space of time ever to think collectively, in everything and by everyone; and it has been the main reason of influence towards the construction of sudden, forced changes and to a great extent of styles and quality of life previously unknown.

Health systems have not been the exception and have readjusted the complex range of their health technologies (ET'S), through complex, slow and trial-error processes, trying to adapt to a permanent questioning of best practices both in planning and in management and budget sufficiency. Only the public policies of some countries have been successful in the crossroads of this pandemic, while most nations suffer and struggle to improve their public image and social credibility trying to find solutions that reduce the relentless mortality rates, indicators of spread and occupancy levels of the infrastructure.

FUTURE CHALLENGES

The short-term challenge, towards a new normal, in addition to the vaccination process, is to continue managing its impact, reducing contagion and fatality rates, while accommodating the accumulated deficit of ordinary care during this pandemic. As medium and long-term challenges, health systems must improve the imbalances accumulated over decades in the provision of health care services, **preparing for the next pandemics and to continue orienting to the ODS-2030**. These challenges need to be approached with a new mentality, with strategies for change and innovation that border on disruption, establishing public policies that move away from limited human intelligence, demerited by the political power struggle, subordinated by the economic interests of a few, by the ideological imposition of various social groups and by the indifference in the advance of climate change.

This pandemic shows us the urgent need to reorient the public policies of the world health systems, becoming a window of opportunity for a paradigm shift towards future challenges. As a trend line, technological development has evolved exponentially orienting itself to the so-called Revolution 4.0, a stage that envisions amazing transformations in science and their respective impact on lifestyles, directly affecting the state of people's health. The rapid production of the anti-covid vaccine is an example of this. This stage has a future bearer who is alien or not very influenced due to human weakness and even when its philosophical questioning is current, it maintains a dynamic and efficient development. **The biggest carrier of futures known to date is Artificial Intelligence (AI).**

1st ANNOUNCEMENT

The International Federation of Healthcare Engineering (IFHE) and the Mexican Society of Architects Specialized in Health (SMAES), in coordination with prestigious allied institutions and companies, they invite all health systems in the world, public and private organizations, specialists, professionals, experts, academia and the general public to participate and attend this **"IFHE International Prospective Seminar 2021"** and **SMAES 18th International Congress "Hospital del Futuro"**, event that will take place in a mixed format (virtual and face-to-face) on 6-10th November , 2021, taking place in Mexico City.

OBJECTIVE

To be a space for the exhibition and transmission of ideas, experiences, reflections and opinions about future challenges to improve public policies of the various health systems, focusing the contents on the potential benefit it brings, in the evaluation of technologies for the health (ET's) infrastructure and architecture, the advancement and development of Artificial Intelligence (AI).



www.IA.latam.org

SUBJECT MATTER. Thematic Areas and Focus

“Regenerate Health with Intelligence...but Artificial”. Show experiences, research, projects and proposals on the incidence of Artificial Intelligence in the planning, management and evaluation of health technologies (ET's) and Infrastructure: **4 Thematic Areas**

Area	Focus	Content
1 ARTIFICIAL INTELLIGENCE and SUPPORT CAPABILITY	<ul style="list-style-type: none"> • Rights • Health Systems • Social Security • Public - Private Services • Operation Models • New Pandemics 	Inequity- Inequality Bio-Ethic Global Security Urban-Rural Hiperconnectivity- Big Data Internet of things (iot) Financing Singularity
2 ARTIFICIAL INTELLIGENCE and PEOPLE	<ul style="list-style-type: none"> • Medical, Auxiliary and Technical staff • Administrative staff • Ambulatory Patients • Hospitalized Patients • Community • Today Pandemic 	Gender Vision Electronic File APPS- Chat bots Digital Consultant -Telemedicine Long Distance Education Research Life Style and conduct Covid-19
3 ARTIFICIAL INTELLIGENCE and INFRASTRUCTURE	<ul style="list-style-type: none"> • New Prototypes • Reconversion • Temporary • Maintenance 	Archi-datacture Normativity and regulations Proxemic (Healthy Distance) Hybrid Space (virtual -physical) Enginnering (fluids - energetics) Climated Change-Resilience
4 ARTIFICIAL INTELLIGENCE and APROPRIATE TECHNOLOGIES	<ul style="list-style-type: none"> • Prevention • Diagnostic • Treatment • Rehabilitation 	Traditional Medicine Robotic-Automatic Learning Wearables Augmented Reality Nanotechnologic Genetic-Genomic Medicine

Prospective FORUM

The Prospects Forum is a space for reflection whose specific objective is to introduce the advances and convergence between Artificial Intelligence and Health. The Forum is made up of 4 EPISODES, each addressing, as an introduction, the 4 thematic areas of the Congress and Seminar:



27th July



24th August



28th September



26th October

ORGANIZING COMMISSION

PRESIDENCE Decision Maker-PPP	SCIENTIFIC COMMITTEE Evaluation -CC	COORDINATION GROUPS Evaluation -GT
<ul style="list-style-type: none"> • President IFHE Daniela Pedrini • President SMAES Briseyda Reséndiz Marquéz • Event President Luis E. López Cardiel 	<ul style="list-style-type: none"> • International <ul style="list-style-type: none"> - IFHE Members - 5 Continents • National (Host) <ul style="list-style-type: none"> - SMAES Members - México Institutions 	<ul style="list-style-type: none"> • Promotion - Alliances • Financing • Public Relations • Communication System • Monitoring- Evaluation • Alternate Event

CITY VENUE

The Historic Center of Mexico City (CDMX) is one of the most vibrant and multicultural areas in this megalopolis, this was the prehispanic city origin of the Aztec Empire, a combination of old customs and traditions with new ways and lifestyles. An experience that you will never forget.



www.expansion.mx/cuartoosuro.CDMX.

PLATFORM VENUE

Under the Virtual Venue platform, we will get together to enjoy and live the virtual reality experience, as avatar assistance, according to the theme of the congress.



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