

The Mohammed VI International Center of Simulation in Sciences and Health and the Mohammed VI Foundation for Science and Health are organizing the “2nd African Conference on Simulation in Sciences and Health Sciences, in conjunction with the 1st African Congress of Education in Health Sciences. This event will be held from 10 to 12 April 2025 at the Mohammed VI University of Sciences and Health in Casablanca, Morocco.



Sim Africa 2025

The **2nd** African Conference on **Simulation**
in **Sciences and Health Sciences**

The **1st** African Congress of **Education**
in **Health Sciences**

10 - 11 - 12 APRIL 2025

Mohammed VI International Center
of Simulation in Sciences and Health
UM6SS - Campus Anfa City, Casablanca - Morocco





مِنَّا حُبُّ الْجَلِيلَةِ الْمَلِكِ مُحَمَّدِ بْنِ الْبَيْتِ نَصْرُهُ اللَّهُ

Based on Our deep conviction regarding the central role of the human element in achieving reform projects, We invite you to surround the issue of human resources in this vital sector with all the attention it deserves. It is therefore necessary to ensure quality training for them and, consequently, to guarantee their upgrading and adaptation to the scientific and technological developments that have occurred in terms of treatment, prevention, management, and governance of healthcare, in accordance with international standards. It is also necessary to ensure sufficient staffing in all specialties and health professions to meet the growing demand for health services, and to encourage research and innovation in the fields of medicine, pharmacology, and the national pharmaceutical industry."

Excerpt from the royal speech at the second National Conference on Health (Marrakesh, July 1-3, 2013)

The event's Key Visual

The **2nd** African Conference on **Simulation in Sciences and Health Sciences**

The **1st** African Congress of **Education in Health Sciences**



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MOHAMMED VI FOUNDATION
OF SCIENCES AND HEALTH



MOHAMMED VI INTERNATIONAL
CENTER OF SIMULATION IN SCIENCES
AND HEALTH
CIM6SS



MOHAMMED VI UNIVERSITY
OF SCIENCES AND HEALTH
UM6SS



MOHAMMED VI CENTER
FOR APPLIED EDUCATION
IN HEALTH SCIENCES
CM6PASS

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www.CIM6S.ma



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CHEIKH KHALIFA INTERNATIONAL
UNIVERSITY HOSPITAL



COMMUNITY HOSPITAL
CENTERS



SOCIÉTÉ MAROCAINE
DE LA ROBOTIQUE EN SANTÉ

In partnership with

Message from the President of UM6SS

The **2nd** African Conference on **Simulation in Sciences and Health Sciences**

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**Professor
Mohamed ADNAOUI**

President of the Mohammed VI University of Health Sciences, highlights education and training as top priorities.

The issue of education and training is a top priority that His Majesty King Mohammed VI is deeply interested in. This national priority translates into His Majesty's desire to establish a new educational system with the mission of training active citizens for the world of tomorrow, dedicated to serving society. In recent years, Morocco has undergone a real transformation that has radically changed the landscape in which the health sector operates. This transformation has led to several calls for reform following observed changes in healthcare needs, public expectations, and the obvious shortcomings of the existing system. These shortcomings are largely linked to the quantitative and qualitative deficit in human resources, as highlighted in the report on the New Human Development Model and the generalization of Compulsory Health Insurance since December 1, 2022. Training in the health sector is a fundamental component in improving the quality of care provided to Moroccan citizens. Medical simulation has emerged in recent years as an essential training method for all healthcare professionals by creating a patient-centered learning environment where technology serves pedagogy. This teaching technique is more effective than traditional theoretical training, both for acquiring technical and non-technical skills, and it also appears as a tool for improving the quality and safety of care by offering the possibility of repeating common or rare situations. The ultimate goal is to improve patient care based on the principle of "Never the first time on a patient." SIMAFRICA provides a platform for exchange and an opportunity to raise awareness among public authorities about the importance of integrating active pedagogical simulation into the initial and continuing training curriculum for all healthcare professionals: medical students, practicing doctors, specialists, nurses, healthcare actors, biomedical engineers, and managers. During these three days of the congress, we welcome renowned pedagogy experts from different parts of the world, as well as learned societies, who will lead round tables, masterclasses, and workshops, with a rich and multidisciplinary scientific program. This congress encompasses several aspects of pedagogical and technological innovation in education, aligned with the pedagogical innovations advocated in the National Plan for Accelerating the Transformation of the Educational Ecosystem (PACTE ESRI 2030).

Professor Mohamed Adnaoui

Message from the director of CIM6SS

The **2nd** African Conference on **Simulation in Sciences and Health Sciences**

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Professor

Mohamed CHAHBOUNI

Director of the International
Mohammed VI Center for Simulation
in Health Sciences,

Dear partners,

It is with great honor that we invite you to the 2nd edition of SIM AFRICA, a leading event dedicated to simulation in science and health sciences. Building on the success of the previous edition, which brought together more than 1,200 participants and 10 international experts, this new edition aims to reach a new milestone in terms of innovation and academic excellence.

SIM AFRICA 2025 is part of a dynamic transformation of pedagogical methods and continuous improvement of skills in health sciences. The integration of simulation, robotics, and artificial intelligence opens new perspectives for the training of tomorrow's professionals.

The Mohammed VI International Center of Simulation in Sciences and Health (CIM6SS), in collaboration with the Mohammed VI University of Sciences and Health (UM6SS) and the Mohammed VI Center for Pedagogy Applied to Health Sciences, is working to make this event a platform for strategic exchanges and collaborations between academics, industry, and institutional actors.

We invite you to support and accompany this initiative as a partner and sponsor, by actively contributing to the influence of health training on the African continent.

Together, let's shape the future of education in health sciences.

Professor Mohamed Chahbouni

The Event Context

The **2nd** African Conference on **Simulation in Sciences and Health Sciences**

The **1st** African Congress of **Education in Health Sciences**



Sim Africa 2025

The **2nd** African Conference on **Simulation in Sciences and Health Sciences**

The **1st** African Congress of **Education in Health Sciences**

The Mohammed VI International Center of Simulation in Sciences and Health is organizing the 2nd African Conference on Simulation in Sciences and Health Sciences, in parallel with the 1st African Congress of Education in Health Sciences. The event will take place 10-11-12 April 2025 at the Mohammed VI University of Sciences and Health in Casablanca, Morocco.

This major African conference aims to bring together experts, researchers, educators, and healthcare professionals to promote pedagogical innovation, healthcare simulation, and the integration of new technologies into medical and health sciences education.



Topics

The **2nd** African Conference on **Simulation in Sciences and Health Sciences**

The **1st** African Congress of **Education in Health Sciences**



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- AI for Education and Healthcare
- Brain Imaging and Neuro-education, Adaptive Educational Hypermedia
- Medical and Health Sciences
- Coaching, Development, Personal and Communication
- Collaborative Learning
- Computer aided language learning (CALL)
- Continuing professional development (CPD) & prevention of risks associated with healthcare
- Deep Learning and Machine Learning
- Digital skills referential
- Digital technologies in assessment
- Educational MashUps
- Educational Virtual Environments
- Engineering Pedagogy Education
- Ethics and Engineering Education
- Evaluation and outcomes assessment

- Flipped classrooms
- Game-based learning, Gamification
- Knowledge management and learning
- Languages and Educational Sciences
- Learning culture & diversity
- Lifelong learning
- Mobile learning environments applications
- New learning models and applications
- Platforms and authoring tools
- Project based learning
- Remote and virtual laboratories
- Research in Engineering Pedagogy
- Semantic metadata for e-learning
- Simulation program, Infrastructure organization, Research and assessment
- Simulations, Virtual Reality and Augmented Reality
- Sport Sciences : Health, Education & Technology

Presentation of CIM6SS

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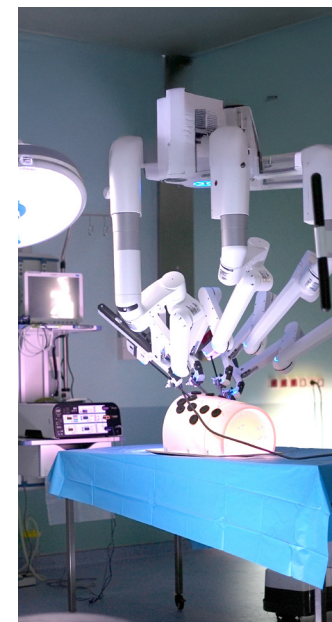


**MOHAMMED VI INTERNATIONAL
CENTER OF SIMULATION IN SCIENCES
AND HEALTH
CIM6SS**

Inaugurated on December 15, 2016, by His Majesty King Mohammed VI, the Mohammed VI International Center of Simulation in Sciences and Health (CIM6SS) is a medical simulation training center located in Casablanca. CIM6SS is an integral part of the Mohammed VI Foundation for Health Sciences ecosystem, which includes :

- Mohammed VI University of Sciences and Health.
- Mohammed VI International University Hospital of Bouskoura.
- Cheikh Khalifa International University Hospital.
- National Reference Laboratory.
- Mohammed VI National Laboratory for Medical Analysis.
- Mohammed VI Center for Research and Innovation.
- Mohammed VI Center for Continuing Education.

CIM6SS plays a key role in improving medical practices through immersive training, integrating cutting-edge technologies such as virtual reality, robotics, and artificial intelligence.



**MOHAMMED VI INTERNATIONAL
CENTER OF SIMULATION IN SCIENCES
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Key figures from the 2023 edition include

The **2nd** African Conference on **Simulation in Sciences and Health Sciences**

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Sim Africa 2025

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1200

National and international participants

10

Experts (5 nationals
5 internationals)

32

MasterClasses

17

Workshops

30

Topics

Academic and institutional partners include:

- Moroccan medical schools
- University of Michigan
- Abulcasis International University of Health Sciences
- Mohammed VI International University Hospital,
- Cheikh Khalifa International University Hospital
- National Center for Scientific and Technical Research.

Participating scientific societies include:

SMSM: Moroccan Society of Medical Sciences

SMAAR: Moroccan Society of Anesthesia, Analgesia and Resuscitation

SMMU: Moroccan Society of Emergency Medicine

SMO: Moroccan Society of Ophthalmology

SMC: Moroccan Society of Oncology

AMU: Moroccan Association of Urology

SMCT: Moroccan Society of Thoracic Surgery

SMCV: Moroccan Society of Vascular Surgery

SMSE: Moroccan Society of Endovascular Specialists

AMPI: Moroccan Association of Interventional Pulmonology

SMED: Moroccan Society of Digestive Endoscopy

AMECHO: Moroccan Association of Echocardiographers

MG Maroc: National Collective of General Practitioners of Morocco

AMMF: Moroccan Association of Family Medicine.

Spec Sheet

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Date: From 10 to 12 April 2025

Location: at the Mohammed VI Congress Center of the UM6SS and The Mohammed VI International Center of Simulation in Sciences and Health in Casablanca, Morocco.

The theme for 2025: "Innovative Pedagogy in Science and Health: Africa in the Era of Simulation, Robotics and Artificial Intelligence."

Accommodation: The Mohammed VI Congress Center can accommodate up to 600 people.

Available spaces:

- Congress Center
- Workshop rooms
- Simulation operating theaters
- Exhibition and networking areas.

Technical infrastructure:

- High-fidelity simulation equipment
- Spaces dedicated to robotics and AI in healthcare
- Audiovisual and live broadcast systems



Congress Center, Mohammed VI University of Sciences and Health



Amphitheater



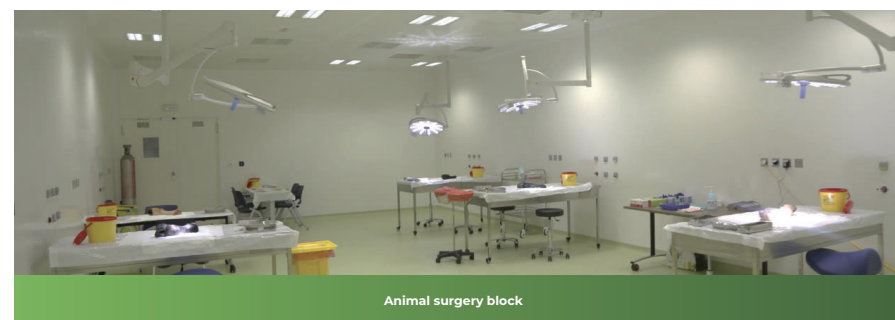
Block 1

Mohammed VI International Center of Simulation in Sciences and Health



Block 2

Mohammed VI International Center of Simulation in Sciences and Health



Animal surgery block

New Developments & Strategic Priorities 2025

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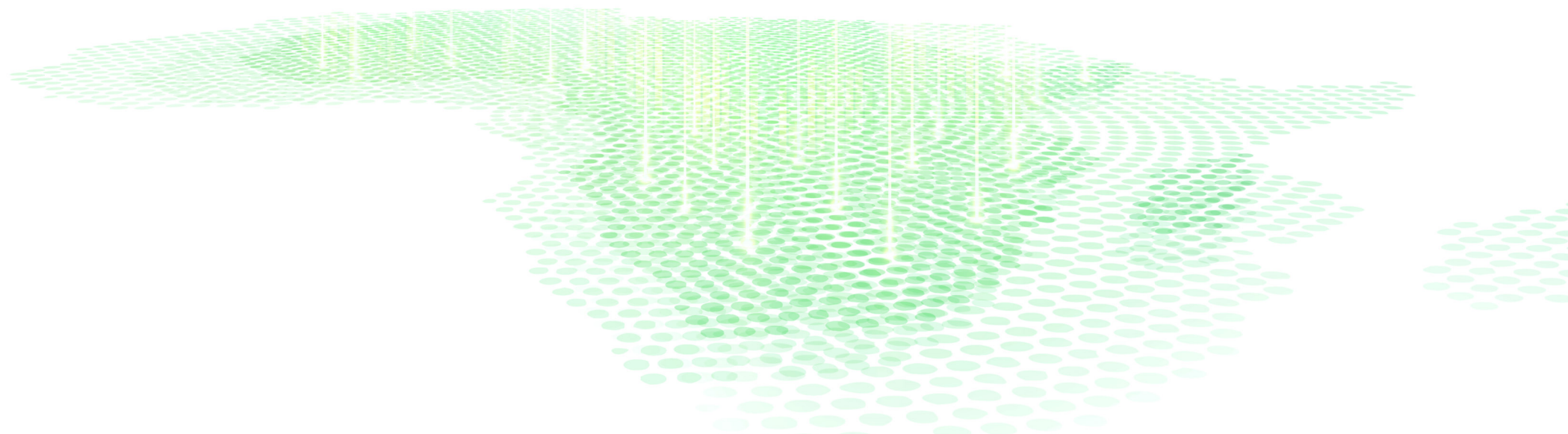
New features for 2025: Include the introduction of robotics and artificial intelligence in pedagogy and healthcare simulation.

Priority themes:

- Applied pedagogy in health sciences
- Simulation and new learning methodologies
- Robotic surgery workshops.

Strategic objectives:

- Promoting pedagogical innovation and strengthening the capacities of trainers and institutions
- Creating a network of expertise in simulation pedagogy
- Supporting research and development in health sciences.



Scientific Program – SIM AFRICA 2025

The 1st African Congress of Education in Health Sciences



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Day 1 | Thursday, April 10th (2:00 PM - 5:30 PM) Conference Hall

Panel 1 : Hospital Internships

- Conference 1** What supervision and environment for the hospital internship?
- Conference 2** What compromise between the learner and the supervisor towards a charter and a frame of reference for internships?
- Conference 3** Place of simulation in clinical learning.
- Conference 4** What place does the Portfolio have in improving learning?

Day 2 | Friday, April 11th (09:00 AM - 12:30 PM) Conference Hall

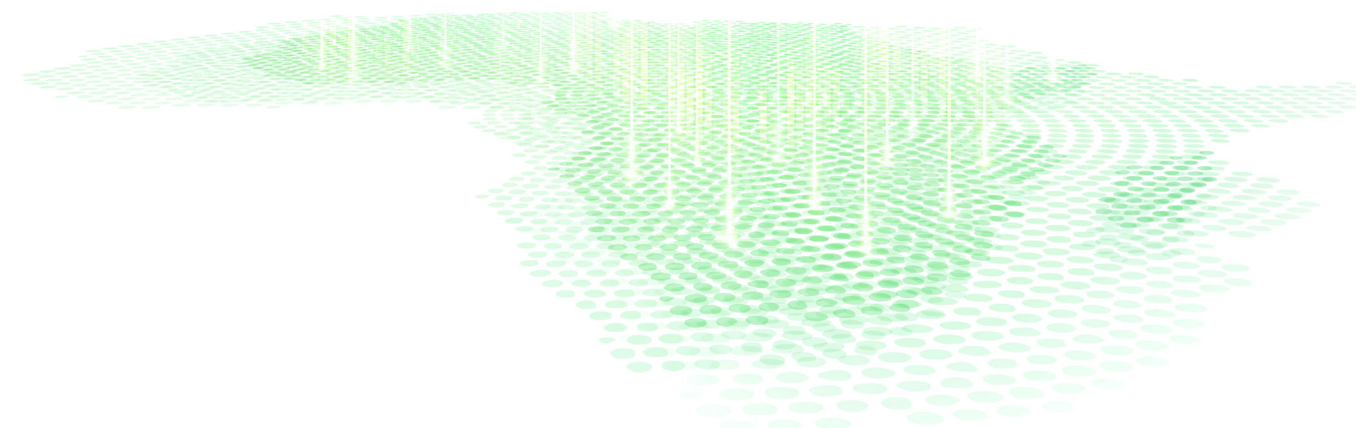
Panel 2 : Evaluation of Clinical Internships

- Conference 1** How to "better" evaluate students in health sciences in their internships?
- Conference 2** "Simulate to better evaluate": The role of clinical simulations in skills assessment.
- Conference 3** "Beyond the grade": Innovative evaluation tools (digital portfolios, clinical simulations, etc.) and their integration into clinical internships.
- Conference 4** How to implement a Competency-Based Approach in clinical internships?

(PM - 5:00 PM 2:30) Conference Hall

Panel 3

- Conference 1** Medical education in Morocco: History of reforms.
- Conference 2** University 4.0 Official inauguration.



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Day 1 | Thursday, April 10th

Panel : Specialized Medicine (09:00 AM - 5:00 PM)

- Robotic Surgery Block** Robotic surgery workshop in urology.
- Cathelab Room** Masterclass in arteriography.
- Microsurgery Room** Masterclass: Introduction to microsurgery.
- Room 1** Masterclass: ECMO.
- Room 2** Masterclass 1 in radiotherapy (contouring workshop)

Panel : Pharmacy (09:00 AM - 5:00 PM)

- Room 3** Workshop 1: The carbohydrate war: our pharmaceutical strategies against diabetes.
- Room 3** Workshop 2: Latrogenic risk cocktails: it's up to you to unravel the interac-

Panel: Engineering (9:00 AM - 12:00 PM)

- Room 4** Workshop: Emerging Technologies in Medical Simulation: Impact of new 3D printing and artificial intelligence technologies on medical simulations.

Panel : Sim-nursing (9:00 AM - 4:00 PM)

- Room 5** Workshop: Obstetrical Sciences.

Day 2 | Friday, April 11th

Panel : Specialized Medicine (09:00 AM - 5:00 PM)

- Robotic Surgery Block** Workshop: Robotic surgery in visceral surgery.
- Block 2** Masterclass: Echoendoscopy.
- Cathelab Room** Masterclass: PID imaging.
- Microsurgery Room** Masterclass: Valvular and truncal surgery
- Room 1** Masterclass: Regional Anesthesia.
- Room 2** Masterclass 2: Radiotherapy (contouring workshop).

Panel : Dentistry (09:00 AM - 4:00 PM)

- Room 3** Masterclass: Simulation in the pedagogy of dental sciences.

Panel: Engineering (09:00 AM - 12:00 PM)

- Room 4** Workshop: Crisis Scenario Simulation and Disaster Management: Training engineers in emergency management through realistic simulations.

Panel: Sim-nursing (09:00 AM - 4:00 PM)

- Room 5** Workshop: Rehabilitation Sciences.

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3rd Day | Saturday, April 12th

Robotic Surgery Block Block 2

Workshop: Robotic surgery in thoracic surgery.
Masterclass: Echoendoscopy.

Panel : Specialized Medicine (09:00 AM - 5:00 PM)

Panel: General Medicine (09:00 AM - 5:00 PM)

Room 1 Workshop 1 - General ultrasound.
Workshop 2 - ECG in practice.
Workshop 3 - Interpretation of a hemogram.
Workshop 4 - Vertigo.

Panel: Dentistry (09:00 AM - 4:00 PM)

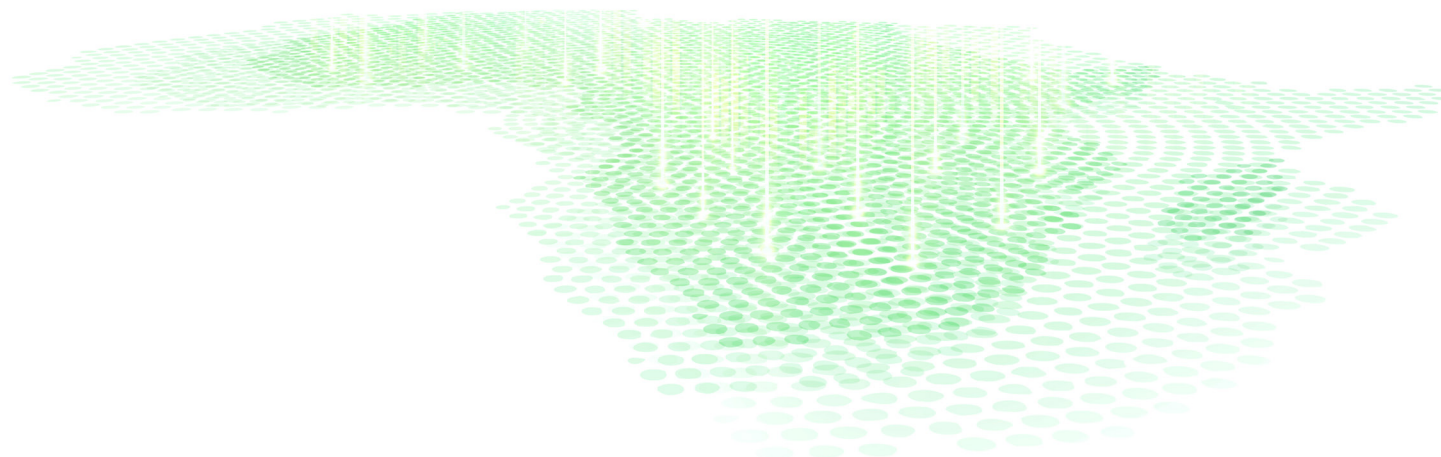
Room 3 Masterclass: Tricks and tips for communicating with the patient.

Panel : Public Health (09:00 AM - 1:00 PM)

Room 4 Workshop: Integration of new technologies and AI in university education.

Panel: Sim-nursing (09:00 AM - 4:00 PM)

Room 5 Workshop: Nursing Sciences.



Sponsorship Packages

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SPONSOR PLATINUM	Stand	- Location: Platinum Zone - Stand size: 12 sq m (4m x 3m) - Includes meals 10 registrations for the Congress 2 registrations for Masterclasses	Symposium	- Priority choice of symposium time slots is based on sponsorship type. 1st choice: Platinum Sponsor	Visibility	- Platinum Sponsor logo on posters and communication materials - Logo on the event webpage - Logo on the event program - Priority during TV interview slots	Fees
							200,000 MAD
SPONSOR GOLD	Stand	- Location: Zone 1 - Stand size: 9 sq m (3m x 3m) - Includes meals 5 registrations for the Congress 1 registration for Masterclasses	Symposium	- Priority choice of symposium time slots is based on sponsorship type. 2nd choice: Gold Sponsor	Visibility (Special rate)	- Gold Sponsor logo on posters and communication materials - Logo on the event webpage - Logo on the event program - Priority during TV interview slots	Fees
							120.000 MAD
SPONSOR SILVER	Stand	- Location: Zone 3 - Stand size: 6 sq m (3m x 2m) - No meals included	Symposium	- Priority choice of symposium time slots is based on sponsorship type. 3rd choice: Silver Sponsor	To increase your visibility	- Silver Sponsor logo on posters and communication materials = 20,000 MAD - Logo on the event webpage = 25,000 MAD - Logo on the event program = 10,000 MAD - Opportunity for TV interview slots = 10,000 MAD	Fees
							50.000 MAD

FOR ALL RESERVATION ENQUIRIES

Please contact Dr. Youssef Arroussi: +212 6 00 06 96 09

E-mail: yarroussi@cim6s.ma

Plan of the Congress Center

The **2nd** African Conference on **Simulation in Sciences and Health Sciences**

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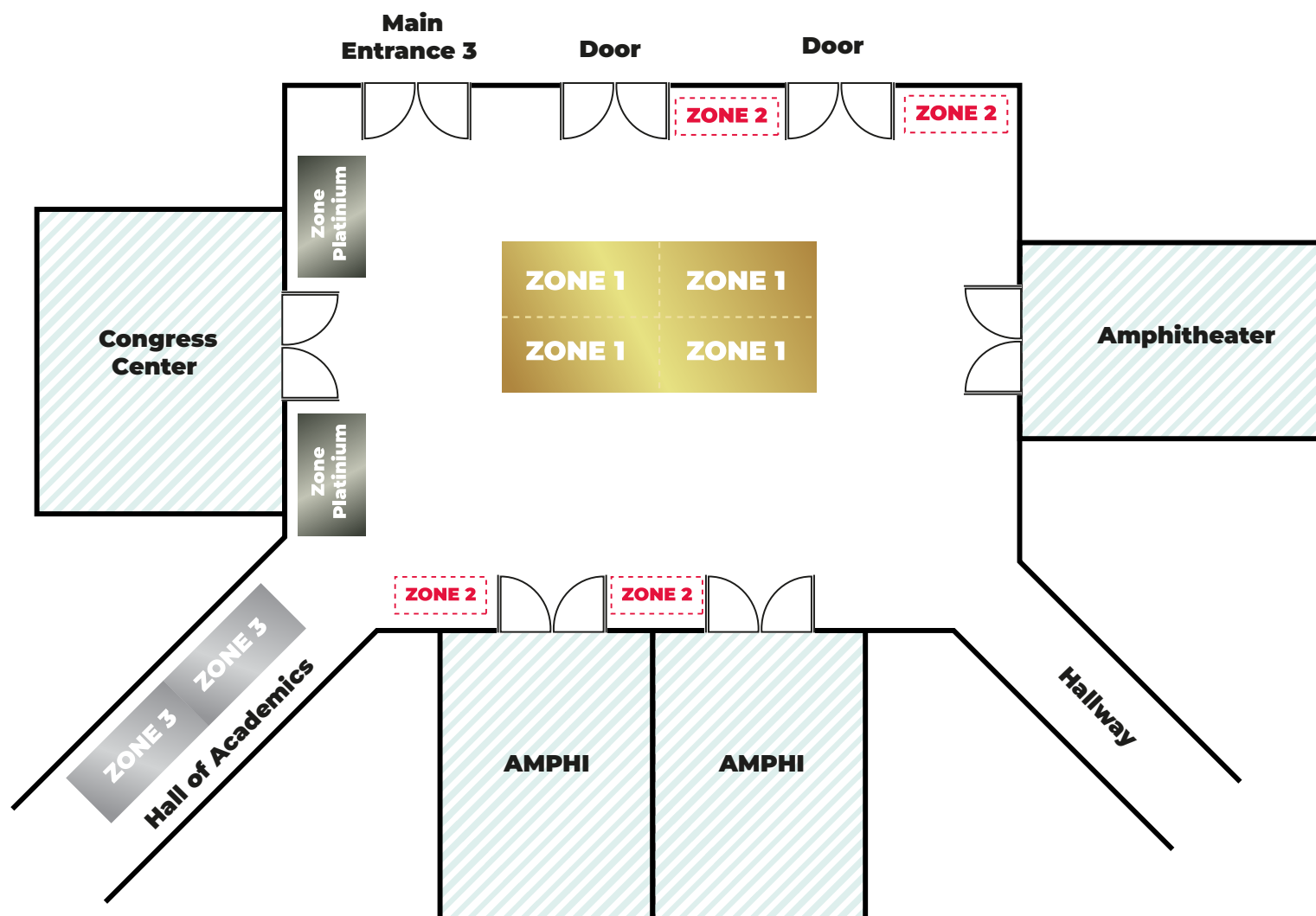


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A plan of the Mohammed VI Congress Center shows the layout of the different zones for sponsor stands and amphitheatres.





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