Republic of Iraq Ministry of Higher Education & Scientific Research



The 18th International Conference Middle Eastern Simulation and Modeling 2023

Organized By

Al-Farahidi University, Baghdad University, University of Technology, Al-Nahrain University, Istanbul Medipol University

Conference General Chair

Prof. Dr. Marwan Al-Akaidi



Steering Committee

Prof. Dr. Tareq H. Al-Khayat Prof. Dr. Mooner H. Al- Saadi Prof. Dr. Ahmed M. H. Al-Ghaban Prof. Dr. Ali Abdel Aziz Al-Shawi Asst. Prof. Dr. Raed Khalid Ibrahem Prof. Dr. Gökhan Silahtaroğlu Prof. Dr. Khawla Salah Khashan Prof. Dr. Hikmat Najem Abdullah Prof. Dr. Saba J. Neamah Al-Khafaji Asst. Prof. Dr. Moayed R. Hasan

On 20th – 23th November 2023



The aim of the conference is to bring people from various parts of the middle east in contact with colleagues working in modeling and simulation from around the world. The conference also aims to integrate the contacts into a wider network of simulation excellence. The conference covers a wide range of simulation subjects in order to capture the general thrust of simulation research at present being done in the Middle East.

Conference Motto

Sober Scientific Research the Portal for Sustainable Development.

Organizing Committee

Prof. Dr. Muhsin Jaber Jweeg \ Al-Farahidi University Asst. Prof. Dr. Waleed K. Ibrahem \ Al-Farahidi University Prof. Dr. Elif Baykal \ Istanbul Medipol University Dr. Batool Moafaq kadhem \ Al-Farahidi University Prof. Dr. Mohammed S. Mahdi \ Al-Nahrain University Prof. Dr. Mohsin A. Al-Shammari \ Baghdad University Prof. Dr. Sadeq Hussein Bakhy \University of Technology Asst. Prof. Dr. Ammar E. Abdelkareem \Al-Nahrain University Asst. Prof. Dr. Mohsin N. Hamzah \ University of Technology Asst. prof. Dr. Sadiq H. Abdulhussain \ Baghdad University Asst. Prof. Dr. Jasim M. Mahdi \ Baghdad University Asst. Prof. Dr. Waleed K. Abdulsahib \Al-Farahidi University Asst. Prof. Dr. Ayman M. Khodayer \ Al-Farahidi University Asst. Prof. Dr. Bushra Kadhim Oleiwi \ University of Technology Dr. Mokdad Hayawi Rahman \ Al-Farahidi University Dr. Ahmed A. K. Hussain \ Ministry of Higher Education Asst. Lect. Ahmed Nameer Taha \ Al-Farahidi University Eng. Mohammed Nabeel (IT) \ Al-Farahidi University

Conference Topics

- Sustainable Environment.
- Architecture and Civil Engineering.
- Artificial Intelligence.
- Applied Mechanics & Thermal Engineering.
- Space Environment and Aviation Technology.
- Nanotechnology and Smart Materials.
- Control System & Robotics.
- Laser Optoelectronics Engineering.
- Computer Networks, Communications & the IoT.
- Signal Processing.
- Information Security.
- Biochemistry.
- Microbiology.
- Applied Sciences.



MIDDLE EASTERN SIMULATION AND MODELING

<u>Contact</u>

- <u>Conference Website:</u> <u>https://www.eurosis.org/conf/mesm/2023/i</u> <u>ndex.html</u>
- <u>Facebook:</u> https://www.facebook.com/FarahediUC
- <u>Email:</u> mesm2023@uoalfarahidi.edu.iq

<u>What</u> Middle Eastern Simulation and Modeling (MESM 2023)

The MESM2023 will draw together experts, scientists and researchers from around the world. The conference will consolidate the communications of the people working in the simulation and modeling aspects and exchange their thoughts and experiences and the latest scientific activities in different fields.



Where Al-Farahidi University

Al-Farahidi University is one of the largest Iraqi Universities which was established in Baghdad in 2012. The University includes (8) Faculties and despite its recent establishment, it was able, in a record period, to keep pace with the current academic programs in teaching and learning. It rises to the ranked of sober Universities and has entered the local and international rankings of Universities and organized a number of distinguished conferences and festivals in various scientific fields, making it a center for attracting students and researchers in scientific and humanitarian disciplines.

The Conference will take place in collaboration among 5 universities: AL-Farahidi University, Baghdad University, Al-Nahrain University, University of Technology, and Istanbul Medipol University.



Scientific Committee

Prof. Dr. Havder Abed Dhahad Prof. Dr. Tarek Hafdhi Al-Khayat Prof. Dr. Mooner H. Al- Saadi Prof. Dr. Basim Khalil Nile Prof. Dr. Muhsin Jaber Jweeg Asst. Prof. Dr. Raed Khalid Ibrahem Prof. Dr. Özge Doguc Prof. Dr. Tuba Khalifa Prof. Dr. Esra Bavtören Prof. Dr. Öznur Gülen Ertosun Dr. Batool Moafao kadhem Prof. Dr. Adnan Naii Jamil Prof. Dr. Khulood Waheeb Abbood Prof. Dr. Nidal A. Mohammed Prof. Dr. Mungith Saleem Dawod Prof. Dr. Fareed Faris Rasheed Prof. Dr. Ayad Murad Takhakh Prof. Dr. Jumaa Salman Chiad Prof. Dr. Mohsin A. Al-Shammari Prof. Dr. Muhannad Lafta Al-Waily Prof. Dr. Ekhlas M. Fayyadh Prof. Dr. Basim D. Hasan Prof. Dr. Nasser Nafea Khamees Prof. Dr. Nabil Hassan Hadi Prof. Dr. Firas Mohammed Tuaimah Prof. Dr. Fathi A. Al-Shamma Prof. Dr. Ali Sadeg Abdulhadi Jalal Prof. Dr. Jawad Khadim Oleiwi Prof. Dr. Khadim Kamil Resan Prof. Dr. Amjad Jaleel Hamidi Qanbar Prof. Dr. Wissam Hamid Aliwi Ajeel Prof. Dr. Zaidoon Muhsin Shakur Prof. Dr. Ali Abdul Rahman Taha Prof. Dr. Jabbar Abbas Ghafil Hassan Prof. Dr. Hanan Abdel Reda Prof. Dr. Bashar Owaid Bedaiwi Asst. Prof. Dr. Ahmad M. Hasson Asst, Prof. Dr. Ahmed Ali Akbar Akbar Asst. Prof. Dr. Mohsin Noori Hamzah Asst. Prof. Dr. Avad M. Al Jubouri Asst. Prof. Dr. Mohanned M. AL-Khafaji Asst. Prof. Dr. Mohammed I. Mohsin Asst. Prof. Dr. Ali A. Khleif Asst. Prof. Dr. Laith Shakir Rasheed Asst. Prof. Dr. Alaa Abdul Hadi Jaber Asst. Prof. Dr. May Ali Muslim Rasheed

Ministry of Higher Education Al-Farahidi University Baghdad University University of Kerbala Al-Farahidi University Al-Farahidi University Medipol University Medipol University Medipol University Medipol University Al-Farahidi University **Al-Farahidi University** Al-Farahidi University **Al-Farahidi University Al-Farahidi University** Al-Farahidi University **Al-Nahrain University** Al-Nahrain University **Baghdad University** Kufa University University of Technology Al-Nahrain University Al-Nahrain University **Baghdad University** Baohdad University **Baghdad University** Al-Nahrain University University of Technology Al-Mustansirya University University of Technology Al-Mustansirva Universitv Al-Farahidi University Al-Farahidi University University of Technology University of Kerbala University of Technology University of Technology

Asst. Prof. Dr. Evan Abdel Zahra Asst. Prof. Dr. Mohammed Ali Fayyad Asst. Prof. Dr. Waleed Khalid Ibrahem Asst. Prof. Dr. Waleed K. Abed Ali Asst. Prof. Dr. Ayman M. Khodayer Asst. Prof. Dr. Ayman M. Khodayer Asst. Prof. Dr. Mohamed Abdel Hadi Dr. Laith Ayad Salman Dr. Ahmed Sabah Abdul Amir Dr. Muqdam Tariq Jijan University of Technology University of Technology Al-Farahidi University Al-Farahidi University Al-Farahidi University Al-Farahidi University University of Technology University of Technology University of Technology

Publication

Papers should be Submitted via:

https://www.eurosis.org/conf/mesm/2022/email-reply.html The accepted and presented papers will be submitted to be published in EUROSIS Conference proceedings which is Scopus Indexed.



Important Dates

- Paper Submission Deadline: 20th June 2023
- Notification of Acceptance: 20th August 2023
- Final Paper Submission and Registration Fees: 20th October 2023
- Conference Dates: Thursday 20th 23th November 2023



Registration Fees

Payments can be done by international bank transfer using Western Union in € to the ETI account in BELGIUM.

- Registration Fees: <u>150€</u>.
- Registration Fees for Students: <u>75 €</u>.