



**The First International Conference on  
“Universities and Artificial Intelligence  
Technology”**

**Grand Hyatt Hotel - Amman, Jordan**

**June 24-25, 2024**



**Conference Booklet**



## **Dear Esteemed participants**

I am thrilled to welcome you to the first International Conference on Universities and AI Technology, taking place at the Grand Hyatt Amman on June 24-25, 2024.

This conference marks a pivotal moment in shaping the future of education. As Artificial Intelligence rapidly transforms our world, universities must adapt and integrate this technology to enhance learning, research,

and overall student experience.

This gathering brings together a distinguished group of academic leaders, researchers, AI developers, policymakers, and students from across the globe. Over the next two days, we will engage in stimulating discussions, share cutting-edge research, and explore how AI can revolutionize higher education. Through keynote addresses, panel discussions, oral presentations, and poster sessions, we will delve into a variety of themes.

We will explore how AI can personalize learning, support faculty research, and streamline administrative processes. We will also address the ethical considerations and challenges associated with AI integration in universities. This conference serves as a platform for collaboration and knowledge exchange. It is an opportunity to build bridges between academia and the tech industry, fostering innovation and charting the course for the future of universities powered by AI.

We look forward to your active participation in this historic event. Let us embark on a journey of discovery together, as we shape the future of learning in the age of artificial intelligence.

**Welcome, and let the conversation begin!**

**Prof. Amr Ezzat SALAMA**  
**Secretary General**  
**Association of Arab Universities**

## About the Conference

The Hashemite Kingdom of Jordan is delighted to host the inaugural **International Conference on Universities and AI Technology** at the prestigious Grand Hyatt Amman, taking place on June 24-25, 2024. This groundbreaking event brings together a global community of academics, researchers, industry leaders, and students to explore the transformative power of Artificial Intelligence (AI) in higher education.

## Conference Themes

- The use of AI in teaching and learning
- The development of AI-powered educational tools and resources
- The impact of AI on university research
- The ethical implications of AI in higher education
- The future of AI in universities

## Unveiling the Future in a Historic City: Amman Welcomes the First International Conference on Universities and AI Technology



The Hashemite Kingdom of Jordan takes immense pride in hosting the inaugural International Conference on Universities and AI Technology in the vibrant capital city of Amman. This historic metropolis, steeped in rich cultural heritage and brimming with modern innovation, provides the perfect backdrop for this groundbreaking event.



truly inspiring atmosphere for exploring the transformative possibilities of AI in universities.

Imagine engaging in thought-provoking discussions about the future of education amidst the ancient Roman ruins of the Amman Citadel, or networking with fellow attendees overlooking the awe-inspiring cityscape from one of Amman's many rooftop restaurants. This unique blend of historical significance and cutting-edge development provides a



vibrant art scene showcased in Jabal Al Lweibdeh's galleries. For a taste of contemporary Amman, ascend the Abdali district's skyscrapers and marvel at the city's ever-evolving skyline. Amman offers an unforgettable experience, where history whispers from ancient stones and the future unfolds in the city's energetic pulse.

Nicknamed "The White City" for its pale stone buildings bathed in sunlight, Amman boasts a rich tapestry woven from millennia of civilizations. Explore the awe-inspiring Roman ruins of the Amman Citadel, perched atop Jabal al-Qala'a, offering panoramic cityscapes. Wander through bustling souks overflowing with spices and handicrafts, or delve into the

# Meet the Organizers: Leading the Way in Educational Technology



The Association of Arab Universities (AArU), serves as a vital link between universities across the Arab world. Established in 1964 under the Arab League, the AAU works to support and connect these institutions, fostering collaboration and enhancing the overall quality of higher education in the Arab region. Through various initiatives and programs, the AAU plays a crucial role in promoting knowledge exchange, research advancement, and student development within the Arab academic landscape.



The China Association of Higher Education (CAHE) is the oldest, largest, and most influential non-profit academic organization for higher education in China. Established in 1983, CAHE functions as an alliance of universities, institutions, and professionals dedicated to advancing the country's educational system. They play a key role in pooling knowledge and resources for reforms, providing academic leadership, and strengthening governance within China's higher education landscape.



The Arab Academy for Science, Technology & Maritime Transport (AASTMT), a regional university operated by the Arab League, serves as a proud host for this inaugural conference. Established in 1972, AASTMT boasts a rich legacy of excellence in education, training, scientific research, and project management. Renowned for its programs in marine

transportation, business, and engineering, AASTMT is a leading institution committed to advancing knowledge and fostering collaboration within the Arab world.



The **Ajloun National University (ANU)**, located on the Ajloun-Irbid road in Jordan, serves as a proud academic partner for the 1st International Conference on Universities and AI Technology. Established in 2008, ANU is a private institution dedicated to providing high-quality higher education. Accredited by the Higher Education Accreditation Commission in Jordan, ANU offers a range of undergraduate programs and postgraduate master's degrees.

Their commitment to innovation and collaboration aligns perfectly with the conference's theme of exploring the transformative power of AI in universities.

## Keynote Speakers

### **Prof. Dr.-Ing. habil. Jorge Marx Gómez Since 2006 Prof.**



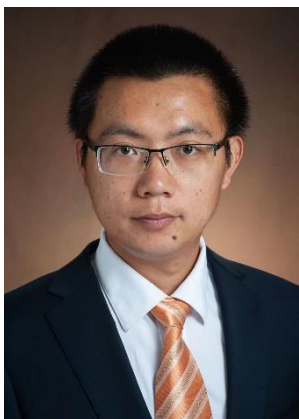
Dr.-Ing. Jorge Marx Gómez is Full Professor and the Head of the Chair of Business Information Systems (Very Large Business Applications) at the Carl von Ossietzky University of Oldenburg (Germany). He is the Director of the Center for Environmental and Sustainability Research (COAST) at Oldenburg University and board member of the Energy Group at OFFIS-Institute (Oldenburg). Furthermore, he is the German speaker of the working group Environmental Management Information Systems in the GI association. In addition to the abovementioned positions he is a board member of the Oldenburg Center for Sustainability Economics and Management – CENTOS (Oldenburg University) and a board member of the Open Source Business Alliance Group (OSB). Prof. Dr. Marx Gómez studied Computer Engineering and Industrial Engineering at the University of Applied Science in Berlin (Germany). He was a lecturer and researcher at the Otto-von-Guericke-University Magdeburg (Germany) where he also obtained a PhD degree in Business Information Systems in 2001. From 2002 until 2003 he was a visiting professor for Business Informatics at the Technical University of Clausthal (Germany) and worked as guest lecturer in different countries. In 2004 he received his postdoctoral lecture qualification (Habilitation) at the Otto-von-Guericke-University Magdeburg. In 2004 he received a Honorary Professorship in Business Informatics at Universidad Central de las Villas (Cuba). Prof. Dr. Marx Gómez's research interests include business information systems, federated ERP systems, software technology, business intelligence, data science, deep learning, interoperability, environmental management information systems, ICT for sustainability, and eand mobile commerce. Prof. Dr. Jorge Marx Gómez successfully coordinated several worth mentioning national and international research (BMBF, BMWK, BMEL, BMZ), capacity building and mobility projects (Tempus, Erasmus Mundus, Erasmus+, DAAD) and participated in several EU-FP7 and EU-Horizon projects. Prof. Dr. Marx Gómez is the main academic coordinator and grant holder of the GIZ/DAAD funded project dSkills@EA - CENIT@EA: Digital Skills for an Innovative East African Industry (center of Excellence on ICT for East Africa)





## **Prof. Yan Shi**

Yan Shi is a professor, doctoral supervisor, and vice dean of the School of Information Science and Engineering at Lanzhou University, and also a Distinguished Professor of "Feitian Scholar" in Gansu Province. He obtained a Ph.D. in Engineering from Akita Prefectural University in Japan in 2010, and has been engaged in research on intelligent control of complex systems. He is the leader of 6 national level projects, including 3 national key projects. He published over 60 papers in top international journals such as IEEE Transaction on Automatic Control, IEEE Transaction on Circuit and Systems I, and IEEE Transactions on Industrial Electronics. He is a member of IEEE and a senior member of the Chinese Society of Automation.



## **Prof./Dr. Zhao Zhang**

Resume: Dr. Zhao Zhang is currently a professor with College of Information and Electrical Engineering, China Agricultural University (CAU). Before joining CAU, he worked with Department of Agricultural and Biosystems Engineering, North Dakota State University (NDSU), as a research assistant professor and with worked in the USDA Agricultural Research Service (ARS) Sugarbeet and Bean Research Unit at East Lansing, Michigan as a postdoc. Dr. Zhao Zhang mainly works in the area of smart agriculture, such as developing robotics in benefitting agricultural production.





## **Prof. Nagwa Ibrahim Elshenawy**

is a highly accomplished scholar and advisor, currently serving as a Professor of Digital Economy at Cairo University and an Advisor for Informatics and Data Analytics at the Ministry of Communications. Her expertise spans the vast domains of digital economy, informatics, and data analytics, making her a sought-after expert in these rapidly evolving fields.

### **Academic Excellence and Research Prowess**

Dr. Ibrahim's academic journey is marked by excellence and a deep commitment to knowledge. She holds a PhD in Economics from Cairo University, where she has been a faculty member for over two decades. Her research interests lie in the intersection of economics and technology, focusing on the impact of digital technologies on various economic aspects, including e-commerce, digital entrepreneurship, and the digital divide.

### **A Passion for Digital Transformation**

Dr. Ibrahim's passion for digital transformation extends beyond academia, leading her to actively engage in industry and government initiatives. As an Advisor for Informatics and Data Analytics at the Ministry of Communications, she plays a pivotal role in shaping Egypt's digital transformation strategy. Her expertise guides the development of policies and initiatives that promote the adoption of digital technologies across various sectors, driving economic growth and enhancing citizen services.



## **Prof. Nadia Badrawi**

President of ANQAHE  
Advisory Board Member of CIQG & NARIC-TNE

Board Member of the Planning Committee,  
Medical Sector

Supreme Council of Universities

Prof. Emeritus of Pediatrics Cairo University

An Egyptian expert in Quality Assurance and  
Accreditation in Higher Education, Medical  
Education and a professor Emeritus of Paediatrics

at Cairo University.

**At the International level;** Prof. Badrawi is a Board Member of: The Advisory Council of the CHEA International Quality Group (CIQG), the Ecctis/TNE QB advisory board and the Global Paediatrics Education Consortium (GPEC) and she served two terms in the board of INQAAHE. She also serves as member of the assessor recognition team for the WFME.

**At the Regional level;** Prof. Badrawi is the main founder and currently the president of the Arab Network for Quality Assurance in Higher Education (ANQAHE). She disseminated the culture of Quality Assurance in Higher Education at Regional and National levels.

**At the National level;** Prof. Badrawi is chairing the reform of Medical education committee for undergraduate and foundation years at the Supreme Council of Egyptian Universities, a member of the board of trustees of the Al-Alamein international University, she is also a board member of Medical Sector Committee for Planning and Development. Dr. Badrawi is the founder of the Egyptian Association of Neonatology and currently, she is the president of this society. She was one of the main founders to establish and develop the National Quality Assurance Authority in Education in Egypt. Prof. Badrawi was the chairperson of the Paediatrics Department Cairo University, and she served as the chair of the board of director of Nile Badrawi hospital for many years.



# First International Conference “Universities and Artificial Intelligence Technology”

Program at a Glance

Grand Hyatt Hotel, Amman 24-25 June 2024

Day 1: Monday, June 24 <sup>th</sup> , 2024	
08:30 - 09:30	Registration desk Open
	<b>OPENING CEREMONY</b> <b>Master of Ceremony: Pr. Walid Salameh</b> <b>Venue: Iris Hall</b>
09:30 - 10:30	<b>Welcome by Conference Chairs</b> <ul style="list-style-type: none"><li>▪ Prof. Amr Ezzat Salama, Secretary General Association of Arab Universities</li><li>▪ Prof. Yan Chunhua, Vice President China Association of Higher education</li><li>▪ Prof. Feras Hanandeh, President Ajloun National University</li><li>▪ Prof. Ismail Abdel Ghafar, President Arab Academy for Science, Technology &amp; Maritime Transport</li></ul> <b>Official Opening</b> HE. Mr. Ahmad Hanandeh, Minister of Digital Economy and Entrepreneurship

10:30 – 10:40	<b>Group Photo and Honoring Sponsors</b>	
10:40 - 11:30	<b>Exhibition visit</b> <b>Venue: Jasmine Hall</b>	
11:30 – 12:00	<b>Coffee break</b>	
	<b>PLENARY LECTURES</b> <b>Venue: Iris Hall</b>	
12:00 13:30	<p>Lecture 1 <b>Prof. Jorge Marx Gomez,</b> University of Oldenburg, Germany <b>Beyond data: Federated learning as a bridge between machine learning and data protection</b></p> <p>Lecture 2 <b>Prof. Nagwa Elshenawy,</b> Undersecretary for Information &amp; Decision Support, Ministry of Communication and Information Technology (MCIT) <b>“The importance of integrating digital economy into Arab Universities' curriculum”</b></p> <p>Lecture 3 <b>Prof. YAN Shi,</b> Vice Dean of the school of information science and engineering at Lanzhou University <b>“Some progress and thoughts on Artificial Intelligence Technology “</b></p>	
	<b>Parallel sessions</b>	
13:30 15:00	<b>Parallel Sessions 1</b> <b>Session chair Prof. Obadah Sarhan</b> Venue : Room 1	<b>Parallel Sessions 2</b> <b>Session chair Prof. Amjad Daoud</b> Venue : Room 2
15:00- 16:00	<b>Lunch</b>	

Parallel sessions		
16:00 - 17:30	<b>Parallel Sessions 3</b> <b>Session chair Prof. Ammar Awda</b> Venue : Room 1	<b>Parallel Sessions 4</b> <b>Session chair Prof. Qassem Al-Radaideh</b> Venue : Room 2

20:00 -22:00
<b>Dinner at Reem AlBawadi Restaurant</b>

<b>Day 2 : Tuesday, June 25th, 2024</b>		
09:30-10:30	Lecture 1 <b>Prof. ZHANG Zhao,</b> China Agricultural University (CAU), China <b>“AI powered Apple Production in China “</b> Lecture 2 <b>Prof. Nadia Badrawi,</b> Vice President, Arab Network for Quality Assurance in Higher Education (ANQAHE) <b>“Artificial Intelligence in quality assurance in Higher Education”</b>	
10:30-11:00	<b>Coffee break</b>	
Parallel sessions		
11:00- 12:30	<b>Parallel Sessions 5</b> <b>Session chair Prof. Saleh Abu Al-Saud</b> Venue : Room 1	<b>Parallel Sessions 6</b> <b>Session chair Prof. Ibrahim Obeidat</b> Venue : Room 2

12:30 - 14:00	<b>Parallel Sessions 7</b> <b>Session chair Prof. Basil</b> <b>Muhafaza</b> Venue : Room 1	<b>Parallel Sessions 8</b> <b>Session chair Prof. Zhao Zhang</b> Venue : Room 2
14:00 – 14:30	<b>Closing Ceremony</b> <b>Session reports / Global Discussion / Closing</b> <b>remarks</b>	
14:30- 15:30	<b>Lunch</b>	

## Cultural day Optional

# Day 3: Wednesday, June 26th, 2024 ---- Optional

Cultural day organized by Ajloun National University (70 Km from Amman)

10:00 - 10:30	Welcome and reception
10:30 - 11:30	Lecture
11:30 - 14:00	Sightseeing Tour in Ajloun
14:30	Arrival at Ajloun Reserve
15:00 – 17:00	Lunch at the Reserve





# Thanks to our sponsors



وزارة الاقتصاد  
الرقمي والريادة

