

# AL NEELAIN UNIVERSITY AND ALMAYZAB DIGITAL LIBRARY

**THE FIRST ARTIFICIAL INTELLIGENCE CONFERENCE IN SUDAN**

## Conference Title

**Artificial Intelligence for Advancing Education and Scientific Research  
Envisioning a Promising Future and Addressing Contemporary Challenges**

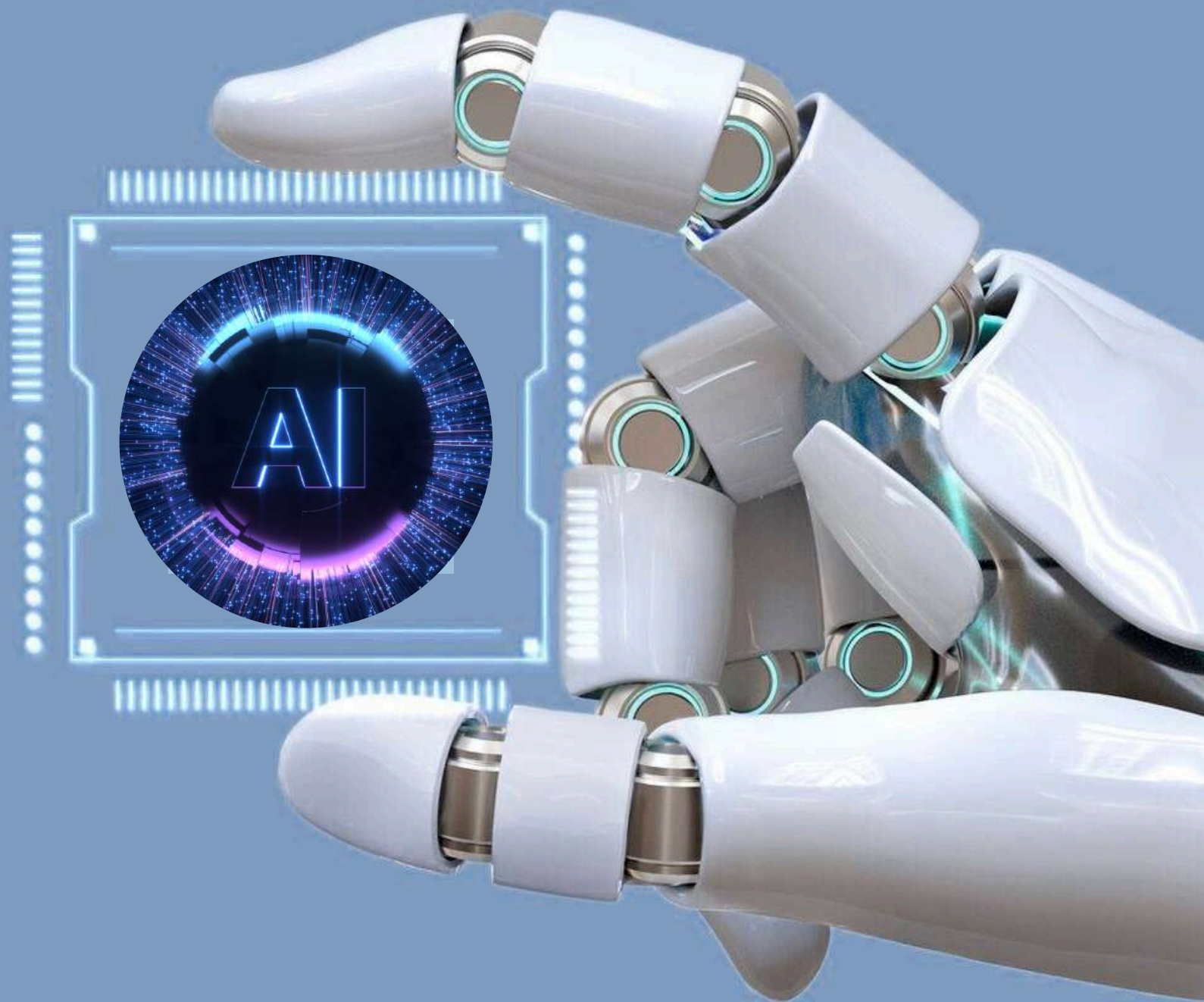
## Conference Motto

**TOWARDS LEADING SCIENTIFIC AND RESEARCH HORIZONS**

The conference will be held virtually from September 20-22, 2025.

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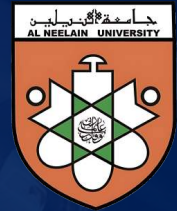
KNOWLEDGE BEGINS WITH YOUR  
SMART TRANSFORMATION





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# CONFERENCE INTRODUCTION

CONSIDERING THE ACCELERATING DIGITAL REVOLUTION, ARTIFICIAL INTELLIGENCE (AI) HAS EMERGED AS A TRANSFORMATIVE FORCE, RESHAPING THE EDUCATION AND SCIENTIFIC RESEARCH LANDSCAPES. WHILE IT OFFERS UNPRECEDENTED OPPORTUNITIES FOR DEVELOPMENT AND INNOVATION, IT ALSO POSES COMPLEX CHALLENGES THAT CALL FOR SERIOUS DIALOGUE AND STRATEGIC PLANNING TO ENSURE MAXIMUM BENEFIT WHILE SAFEGUARDING ETHICAL AND ACADEMIC VALUES.

AI IS NOW A STRATEGIC PARTNER, ENHANCING TEACHING METHODS, DATA ANALYSIS, AND RESEARCH OUTCOMES, RATHER THAN JUST A SUPPORTING TOOL. ACADEMIC AND RESEARCH INSTITUTIONS ARE INCREASINGLY EMPOWERED TO ACHIEVE MILESTONES THAT WERE ONCE OUT OF REACH. HOWEVER, THIS SMART DIGITAL TRANSFORMATION IMPOSES A SIGNIFICANT RESPONSIBILITY ON US TO ADOPT AND UTILISE AI IN A MANNER THAT ENSURES SUSTAINABLE PROGRESS WITHOUT COMPROMISING OUR HUMAN AND ETHICAL PRINCIPLES. THIS CONFERENCE WILL BE HELD **VIRTUALLY** UNDER THE THEME **"ARTIFICIAL INTELLIGENCE FOR ADVANCING EDUCATION AND SCIENTIFIC RESEARCH: ENVISIONING A PROMISING FUTURE AND ADDRESSING CONTEMPORARY CHALLENGES"**, THIS CONFERENCE SEEKS TO PROVIDE A PLATFORM FOR EXPERTS, RESEARCHERS, AND INNOVATORS TO EXPLORE AI'S ROLE IN EDUCATION AND RESEARCH, AND TO CRITICALLY EXAMINE THE OPPORTUNITIES AND CHALLENGES OF THIS RAPIDLY EVOLVING DIGITAL ERA.

WE GATHER UNDER THE MOTTO:

## **TOWARDS LEADING SCIENTIFIC AND RESEARCH HORIZONS**

TO ENVISION THE FUTURE TOGETHER, EXCHANGE IDEAS, AND DISCUSS HOW TO EMPLOY AI THOUGHTFULLY AND CREATIVELY - SO IT BECOMES A TOOL OF EMPOWERMENT, NOT REPLACEMENT; OF INNOVATION, NOT ELIMINATION.



## CONFERENCE COMMITTEES

Prof. Al-Hadi Adam Mohammed Ibrahim  
President of Nileen University and Chair of the Higher Committee  
Prof. Awad Taha Ali Ahmed - Member  
Prof. Ezz Eldin Mohammed Othman - Member

## THE ORGANIZING COMMITTEE OF THE CONFERENCE

Dr. Mohammed Hassan Ahmed Abdullah – Nileen University  
Dr. Seif Al-Islam Adam Abdullah – Nileen University  
Dr. Al-Tayeb Al-Samani Abdel-Jabbar – Nileen University  
Dr. Dalia Mahmoud Adam Mahmoud – Nileen University  
Dr. Tareq Abdel-Karim Abdel-Fadil – Nileen University  
Dr. Suhair Abdel-Rahman Ahmed – Nileen University  
Dr. Saad Mamoun AbouAlwan– Almayzab Digital Library  
Eng. Abdallah Elgyli Mohammed Ahmed – Almayzab Digital Library  
Dr. Wisal Ibrahim Ahmed Alim – Almayzab Digital Library  
Dr. Selwa Yousif Abdeldafie Mohammed – Almayzab Digital Library  
Dr. Nadia Ahmed Eltayeb Elrayah Sanhoury – Almayzab Digital Library  
Dr. Fatima Abdalla Elzein Alfadoul – Almayzab Digital Library  
Mr. Hala Gasim Adam Margan – Almayzab Digital Library  
Mr. Lamyaa Mohamed Osman Ali – Almayzab Digital Library



## SCIENTIFIC COMMITTEE

**Prof. Amin Babiker Abdalnabi Mustafa**

**Al Neelain University - Sudan**

**Chair**

**Dr. Fakhreldin Abbas Mohamed Saeed**

**Al Neelain University - Sudan**

**Deputy Chair**

**Dr. Tarig Abdalkarim Abdalfadil**

**Al Neelain University - Sudan**

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**Dr. Namarig Mohemed Taha**

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**Sudan University of Science and Technology**

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**Al-Bayan University - Iraq**

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**Prof. Ahmed Fal MERKAZI**

**ARID International University for Higher Studies**

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**Dr. Ali Hussein Zolait**

**Bahrain University - Bahrain**

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**Sudan University of Science and Technology**

**Member**

**Dr. Moawia Eldow**

**University of North Texas - USA**

**Member**

**Dr. Dalia Mahmoud Adam Mahmoud**

**Al Neelain University - Sudan**

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**Al Neelain University - Sudan**

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**Dr. Saif AL-islam Adm Abdallah**

**Al Neelain University - Sudan**

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**Dr. Wisal Ibrahim Ahmed Alim**

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**Dr. Selwa Yousif Abdeldafie Mohammed**

**Almayzab Digital Library - Sudan**

**Member**

**Dr. Saad Mamoun AbouAlwan**

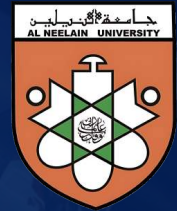
**Almayzab Digital Library - Sudan**

**Member**

**Dr. Muawya Ahmed Hussein**

**Almayzab Digital Library - Sudan**

**Member**



# CONFERENCE OBJECTIVES

1. EXPLORE THE DIVERSE APPLICATIONS OF AI IN VARIOUS SCIENTIFIC DISCIPLINES AND PROMOTE INTERDISCIPLINARY COLLABORATION.
2. DEVELOP A COMPREHENSIVE FRAMEWORK FOR THE ETHICAL AND RESPONSIBLE USE OF AI IN EDUCATION AND RESEARCH.
3. HIGHLIGHT THE ROLE OF AI TOOLS AND TECHNOLOGIES IN IMPROVING EDUCATION AND RESEARCH OUTCOMES.
4. BRIDGE THE GAP BETWEEN THEORY AND PRACTICE IN THE FIELD OF AI.
5. EXAMINE THE ROLE OF GOVERNMENTS, INSTITUTIONS, AND INTERNATIONAL ORGANISATIONS IN SUPPORTING AND FUNDING AI INITIATIVES.
6. ANALYSE THE POSITIVE AND NEGATIVE IMPACTS OF AI ACROSS DIFFERENT KNOWLEDGE DOMAINS.





# CONFERENCE THEMES

## 1. AI IN RESEARCH AND EDUCATION

- APPLICATIONS OF AI IN NATURAL SCIENCES, SOCIAL SCIENCES, AND THE HUMANITIES
- AI TOOLS FOR RESEARCH DATA ANALYSIS AND ENHANCING RESEARCH QUALITY
- ADAPTIVE LEARNING AND INTELLIGENT ASSESSMENT: AI-SUPPORTED EDUCATIONAL PLATFORMS

## 2. INTERDISCIPLINARY INTEGRATION AND PRACTICAL APPLICATIONS

- LEVERAGING AI TO INTEGRATE SCIENTIFIC DISCIPLINES: CASE STUDIES AND MODELS
- ROLE OF RESEARCH LABS AND STARTUPS IN BRIDGING THEORY AND PRACTICE
- TRANSLATING THEORETICAL AI MODELS INTO REAL-WORLD APPLICATIONS: OPPORTUNITIES AND CHALLENGES

## 3. ETHICS, PRIVACY, AND RESPONSIBILITY

- ETHICAL STANDARDS AND INSTITUTIONAL POLICIES FOR RESPONSIBLE AI USE IN RESEARCH AND EDUCATION
- DATA PRIVACY, SAFETY, AND THE ROLE OF ETHICS COMMITTEES IN MONITORING AI APPLICATIONS
- EVALUATING THE POSITIVE AND NEGATIVE IMPACTS OF AI IN RESEARCH, INCLUDING RISK ASSESSMENT

## 4. POLICIES AND INSTITUTIONAL SUPPORT

- GOVERNMENTAL POLICIES AND PUBLIC-PRIVATE PARTNERSHIPS IN FUNDING AND DEVELOPING AI TECHNOLOGIES
- ROLE OF INTERNATIONAL ORGANISATIONS IN SETTING STANDARDS AND PROMOTING AI INNOVATION

## 5. FUTURE OUTLOOK AND INNOVATION

- EMERGING TRENDS AND FORESIGHT INTO THE FUTURE OF ARTIFICIAL INTELLIGENCE



## PARTICIPATION GUIDELINES

- Submitted papers must be original and unpublished.
- Submissions must align with the conference themes.
- Extracted papers from MA/PhD theses are accepted if relevant.
- All submissions are subject to plagiarism checks.
- Papers will be peer-reviewed by the Scientific Committee, and its decision is final.
- Papers may be submitted in Arabic or English.
- Accepted papers will be published in peer-reviewed journals and the official conference proceedings.



# FULL PAPER SUBMISSION GUIDELINES

- Length: 3,000 to 5,000 words, including references.
- Use academic and properly referenced language following the IEEE citation style.
- Arabic papers: Arabic Simplified, font size 14 (main), 16 bold (main titles), 14 bold (subtitles)
- English papers: Times New Roman, font size 12 (text), 12 bold (titles and subtitles)
- Charts and figures should be clear and coloured.
- Include full author contact information.





# CONFERENCE TIMELINE

Date	Event
8 July 2025	Call for Papers Opens
5 September 2025	Submission Deadline
10 September 2025	Final Acceptance Notification
13 September 2025	Final Conference Program Announcement
20 September 2025	Conference date and launch of activities



## PAPER SUBMISSION PORTAL

All paper must be submitted through EasyChair

EasyChair link



[https://easychair.org/conferences/?  
conf=aiers2025](https://easychair.org/conferences/?conf=aiers2025)



## CONTACT AND SOCIAL MEDIA



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