

INTERNATIONAL CONFERENCE ON ADVANCED INTELLIGENT SYSTEMS FOR ENGINEERING AND ENVIRONMENT

02 - 03
JULY 26
CAMPUS HAY RIAD



General Chair

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Director at the Higher Institute of Management,
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Professor at the National
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Professor at the Higher School
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**DR. SOUMIA
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Professor at the Faculty
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The International Conference on Advanced Intelligent Systems for Engineering and Environment (AISEE 2026) will spotlight emerging trends, innovations, and discoveries in key areas related to intelligent systems, engineering, and environmental applications. This event aims to unite researchers, engineers, and practitioners to share and discuss their latest advancements across all major fields of intelligent systems and sustainable engineering.

The AISEE 2026 program will include keynote addresses from distinguished speakers and esteemed experts, as well as technical papers, tutorials, and special sessions. Papers presented at AISEE 2026 will be published in the conference proceedings and indexed in leading databases, ensuring that your research is widely accessible and recognized within the global academic and professional communities, significantly boosting its visibility and impact.



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CONFERENCE TRACKS

Track 1: Advanced Intelligent Systems for Engineering

Track 2 : AI and Data Science for Environmental Systems

Track 3 : Sustainable Engineering and Intelligent Technologies

Track 4 : Smart Sensors, IoT, and Embedded Intelligent Systems

Track 5 : Smart Materials and Advanced Technologies

Track 6 : Intelligent Systems for Healthcare and Biomedical Applications

Track 7 : Risk Management, Resilience, and Intelligent Decision Systems

Track 8 : Ethics, Governance, and Societal Impacts of Intelligent Systems

We are delighted to announce that all papers accepted, presented, and published in the conference proceedings will be indexed in Scopus

Scopus

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INTERNATIONAL CONFERENCE ON ADVANCED INTELLIGENT SYSTEMS FOR ENGINEERING AND ENVIRONMENT

SCIENTIFIC PROGRAM

TIME	ACTIVITY
Registration	08h30 – 10h00
Opening	10h00 – 10h30
Coffee Break	10h30 – 11h00

DAY 1

CONFERENCE ROOM

TIME	ACTIVITY
11h00 – 12h40	Dr. Soumia Ziti Du savoir computationnel à l'IA agentique : une odyssée millénaire de l'intelligence humaine et artificielle.
	Dr. Khalil Boukri From Detection to Resilience: Rethinking Cybersecurity in the Age of AI-Driven Infrastructures.
	Dr. Idriss Moumen From Vehicles to Crowds : A real -Time Digital Twin for Safety and Resilience at Major Events
12h40 – 13h00	Discussion
13h00 – 14h30	Lunch

THURSDAY, JULY 02 _____ ROOM : A

Chairmen : Dr. Khalil Boukri
Dr. Kamal Najem & Youssra El Hamdouni

TIME	PARTICIPANT
14h30 – 16h00	Oussama Ritahi Green packaging and business performance: the role of competitive advantage in the Moroccan context
	Achraf Assouri Comparative Study of Machine Learning Models for Estimating Irrigation Water Consumption from Remote Sensing and Climate Data
	Brahim El Hajjaji A Data Science Approach for Analyzing Competitive Performance Systems in FIFA World Cup Teams Using Principal Component Analysis (PCA) and Multiple Correspondence Analysis (MCA)
16h00 – 16h30	Coffee Break
16h30 – 18h00	Ali Berchane Hardware Security in System-on-Chip Architectures: A Comparative Survey of Monolithic, Discrete, and Chiplet Paradigms
	Ahmed Hadri A Survey of Auto-Scaling Strategies in Kubernetes Environments
	Amana Aboubit TCP-based emulation of NFC payment security architecture
	Zakaria Atif ASR-MDA: A Model-Driven Architecture Framework with Formal Structural Soundness and Multi-Objective Transformations for Engineering Cross-Platform Automatic Speech Recognition Systems

THURSDAY, JULY 02

ROOM : B

Chairmen : Dr. Issam Eddine Zidane,
Dr. Abdillah Moussa & Dr. Ennadi Mouad

TIME	PARTICIPANT
14h30 – 15h00	Mehdi Nouaa Sustainable Food Packaging and Profitability: Assessment of the Effect of Sustainable and Recyclable Packaging on Consumer Perception of High-Quality Food Products and Their Purchasing Decisions in the Moroccan Context»
	Reda Elalaouy Elmhamdi Vup-Auto: A Physics-Informed Multi-Source Index for Coastal Upwelling Segmentation
	Najlaa Maimouni Toward Intelligent Microlearning: A Narrative Synthesis of AI-Driven Personalization in Corporate Professional Development
16h00 – 16h30	Coffee Break
16h30 – 18h00	Noura Eladila Early Detection of Autism Spectrum Disorder in Toddlers: An Explainable AI Framework Combining Machine Learning and Deep Learning Models»
	Mohamed Louriz A Taxonomy of Self-Healing Approaches for Highly Available Cloud-Native Systems
	Bouchra Manfouchi A Multi-Scale Convolutional Neural Network with Attention Mechanisms for Efficient Crop Disease Recognition in Intelligent Agricultural
	Rabab El Azhar AI-Based Detection of Abnormal Vehicular Behaviors in VANETs: A Comprehensive Review

THURSDAY, JULY 02

ROOM : C

Chairmen : Dr. Nassim Kharmoum,
Dr. MENOUNGA MBILONG Paul, Dr. Jamal Labradhi

TIME	PARTICIPANT
14h30 – 15h00	Meriem Bhihi An Enhanced YOLOv-26HOG Approach for Accurate Breast Cancer Detection and Segmentation in Magnetic Resonance Imaging
	Riham Labrazi MedVQA-CAF: Lightweight Medical Visual Question Answering via Knowledge Distillation and Cross-Attention Fusion
	Doha Chemaou KAVNA: A Multi-Scale Stacking Framework with XGBoost for Medical Image Classification
16h00-16h30	Coffee Break
16h30-18h00	Hasna Oubella Intelligent Multi-Target Drug Discovery Against Insulin Resistance: A Computational Framework Integrating 3D-QSAR, Molecular Dynamics, and AI-Driven Perspectives for Next-Generation Antidiabetic Therapeutics
	Ahlam Bahari Enhancing Healthcare Resilience: An Integrated Approach to Emergency Department Congestion and Resource Equity
	Safia Abouchane Unveiling the research landscape of Artificial Intelligence in mental health care: A bibliometric study
	Meriam El Qaba MCCAG: A Cross-modal Attention Architecture for Automatic Radiology Report Generation

THURSDAY, JULY 02

ROOM : D

Chairmen : Dr. Mohammed Amine Fouad,
Dr. Othmane El Jaouhari & Dr. Maha S'hail

TIME	PARTICIPANT
14h30 – 16h00	Ilham Glissi A Hybrid AI–ISO 21001 Framework for Intelligent University Performance Management
	Wafae Aghbal Forecasting National Port Traffic in Morocco under Data Scarcity : A Comparative Study of GM(1,1), ARIMA, and SVR Models
	Btissam Acim Artificial Intelligence Based Deepfake Detection for Trustworthy Engineering and Critical Infrastructure Systems
	Othmane El Jaouhari Beyond the Algorithm: Unpacking Public Trust in AI Through Capacity, Risk, and Legitimacy in Morocco
16h00 – 16h30	Coffee Break
16h30 – 18h00	Rajae Janati Idrissi Intelligent maritime surveillance systems for the fight against IUU fishing: towards a sustainable blue governance
	Zineb Mroul Artificial Intelligence-Enabled Strategic Governance and Risk Management in the Blue Economy: The Case of Marine Aquaculture in Morocco
	Asmae Mahboubi Gestion de risques par l'IA pour des Supply chains résilientes / IA-Enabled Risk Management for Resilient Supply Chains
	Wiam Watik AI-Assisted Evaluation of Forensic Tools for Hybrid Mobile Applications

FRIDAY, JULY 03

ROOM : A

Chairmen : Dr. Mohammed Amine Fouad,
Dr. Othmane El Jaouhari & Dr. Maha S'hail.

TIME	PARTICIPANT
09h00 – 10h30	Fadwa Nafssi Navigating Institutional Pressures: The Conditional Role of Managerial Perception in Shaping CSR in an Emerging Economy
	Sara Zine El Abidine Digital Transformation of the HR Function as a Lever for Organizational Agility and Innovation: A Qualitative Multi-Case Study of Moroccan Organizations
	Sanae Charaqa Adaptive AI-Driven Risk Prediction and Decision Support for Agile Sprint Management
10h30 – 11h00	Coffee Break
11h30 – 12h00	Maha S'Hail Intelligent Content Marketing Systems using Generative AI : A Framework for Automated, Personalized, and Scalable Content Production
	Mouad Ennadi Organizational Learning, Absorptive Capacity, and Academic Resilience Among Health Sciences Students: Towards an Integration of Intelligent Learning Support Systems ?
	Mohammed Amine Fouad Deciding with AI: How Trust, Transparency, and Data Quality Shape Decision Support Adoption in Moroccan Organizations

FRIDAY, JULY 03

ROOM : B

Chairmen : Dr. El Makrani Adil, Dr. Issam Eddine Zidane, Dr. Youssra El Hamdouni

TIME	PARTICIPANT
09h00 -10h30	Driss Rami From Natural Language Requirements to UML Models: A Narrative Review of Large Language Models in Software Design Automation
	Hasnae Nouhas Adaptive Microservice Architectures in the Cloud-Edge Continuum: Challenges, Design Principles, and Research Opportunities: A Survey
	Issam Eddine Zidane A Comparative Study of Siamese Deep Learning Architectures for Urban Change Detection on Sentinel2- Imagery: Application to the City of Rabat, Morocco (2025–2017)
10h30 – 11h00	Coffee Break
11h00 – 12h30	Othmane Zougari Large Language Models for Requirements Engineering : A Narrative Study of Prompt-Based and Fine-Tuning Approaches
	Manal Ouykhf Enhancing Cyberattack Detection Using AI-Generated Synthetic Data
	Alae Sbayji Towards Automated Detection of Non-Compliant Constructions : A Pipeline Combining BIM, GIS, and Artificial Intelligence



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