

THE 3RD INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE, ROBOTICS, AND CYBERSECURITY FOR EMERGING TECHNOLOGIES

3rd Edition

ORGANISED BY :

SISAR TEAM, LARTID LAB. CADI AYYAD UNIVERSITY
MOROCCO

AIRCET'26



OCTOBER 22-24, 2026



EST ESSAOUIRA, CADI AYYAD
UNIVERSITY, MOROCCO



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THE 3RD INTERNATIONAL CONFERENCE ON ARTIFICIAL
INTELLIGENCE, ROBOTICS, AND CYBERSECURITY FOR
EMERGING TECHNOLOGIES

nd
3rd EDITION

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Marrakech, Morocco



Vinayakumar RAVI

Prince Mohammad Bin Fahd University,
Khobar, Saudi Arabia

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- Kamal Bella, Ibn Zohr University Agadir, Morocco
- Hasna Hissou, ENSA Berchid, Morocco
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THE 1ST INTERNATIONAL CONFERENCE ON

Artificial Intelligence for Sustainable Economy and Green Finance



AISEGF'26

ORGANISED BY ENCG KÉNITRA • IBN TOFAIL UNIVERSITY • LIRSEG

Higher School of Technology, Ghazoua — Hybrid: In Person & Virtual



ARTIFICIAL
INTELLIGENCE



GREEN
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SUSTAINABLE
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RENEWABLE
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**THE 1ST INTERNATIONAL CONFERENCE ON
ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE
ECONOMY AND GREEN FINANCE**

1st EDITION

GENERAL CHAIRS



Qafas Ahlam

ENCG, Ibn Tofail University, Kenitra,
Morocco



Fatima Zahra Moussaid

ENCG, Ibn Tofail University, Kenitra,
Morocco

CHAIRS

- Mohamed Abdedaïme, ENCG Kenitra, Ibn Tofail University of Kenitra, Morocco
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- Abdessalam ELMOUDDEN, ENCG Kenitra, Ibn Tofail University of Kenitra, Morocco
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AIRCET'2026/AISEGF'2026

Conferences

Program Time Slots

Timing <u>GMT</u>	Thursday, October22, 2026	
08:30-09:00	Registration	
09:00-09:30	Opening Ceremony	
09:30-10:45	Keynote Speaker 1	
10:45-11:15	Coffee Break	
11:15-12:30	Keynote Speaker 2	
13:00	LUNCH	
14:30-15:30	Keynote Speaker 3	
15:30-16:30	AIRCET-P1	AISEGFS-S1
16:30-17:00	Coffee Break	
17:00-18:00	AISEGFS-S2	AIRCET-V1

Timing <u>GMT+1</u>	Friday, October23, 2026		
09:00-10:30	Keynote Speaker 4		
10:30-11:30	AIRCET-P2	AISEGFS-S3	AIRCET-V2
11:30-12:00	Coffee Break		
12:00-13:00	AISEGFS-S4	AIRCET-V3	AIRCET-V4
13:00	LUNCH		
15:00-16:00	AISEGFS-S5	AIRCET-V5	AISEGFS-S6
16:00-17:00	AISEGFS-S7	AIRCET-V6	AIRCET-V7

Detailed Program

Thursday, October 22, 2026

Registration	08:30–09:00
Room: Registration Room	
Opening	09:00–09:30
Welcome of participants to the conference and Opening Ceremony	
▪ President of Cadi Ayyad University Marrakech ▪ President of Ibn Tofail University, Kenitra, Morocco ▪ Director of EST Essaouira, Cadi Ayyad University Marrakech. ▪ Director of ENCGKenitra, Ibn Tofail University, Morocco ▪ AIRCET2026 conference organizing committee ▪ AISEGFS2026 conference organizing committee	
Keynote Speaker 1	09:30–10:45
The Generative Frontier: Architecting Resilient, Agentic, and Human-Centric AI Ecosystems	
Dr. Imad Zeroual, FST Errachidia, Moulay Ismail University of Meknes Morocco Session Chairs: Dr. S. Benkirane, EST Essaouira, Cadi Ayyad University Marrakech Dr. M. Azrour, FST Errachidia, Moulay Ismail University of Meknes	
Coffee Break	10:45–11:15
Room: Meeting Foyer	

Keynote Speaker 2	11:15-12:30
On the matrix Leslie models in Population Dynamics. Applications: A New Economic Approach	
Dr.Mustapha RACHIDI Instituto de Matemática - INMA Universidade Federal de Mato Grosso do Sul Campo Grande, MS - Brazil	
Session Chairs: Dr. A. QAFAS , National School of Business and Management, Ibn Tofail University, Kenitra, Morocco Dr. M.Tahori , National School of Business and Management, Ibn Tofail University, Kenitra, Morocco	
Lunch	13:00
Technical Sessions	15:30-16:30
Session AIRCET-P1: AIApplications	
Session Chairs: Dr. M. EDDABBAH , EST Essaouira, Cadi Ayyad Marrakech Morocco Dr. M. Mohy-eddine , ENSAM, Hassan II University Casablanca,	
28:Challenges Linking Digital Tax Platform Quality to SME Performance in the Era of Artificial Intelligence <i>BadrMachkour, HoudaMahboub, Ahmed Abriane</i>	
36:Reinforcement Learning in the Context of Multi-DOF Systems: Emerging trends and modern tools <i>Mohamed Souihli, AbdelaliElmounadi, Mohammed Salihoun, and NaoualBerbiche</i>	
55: Trustworthy Causal Explainable AI for Neurological Disorders: Simultaneous Causal Discovery and Counterfactual Reasoning across Alzheimer's Disease and Autism Spectrum Disorder <i>ImaneMarrouss and Aziz Darouichi</i>	

58:Towards AI-Based Air Traffic Controller Vigilance Monitoring Using Synthetic Physiological Data

Ahmed Ammar, Mohamed El Moufid, Yassine Zahidi, Aouatif Arqane, Hassan Gziri, Wafaadachry, Hicham Medromi

60:Multi-Mode Learning with Encoder Refinement for Scene Text Recognition

Hamza Boughfir and Hassan El Bahi

Session AISEGFS-S1:Green Finance, Climate Risk, and Sustainable Investment

Session Chairs:

Dr. F. Moussaid, ENCG Kenitra Ibn Tofail University, Morocco

Dr. S.Assal, ENCG Kenitra Ibn Tofail University, Morocco

Forecasting CO2 Emissions Using Machine Learning: Implications for Sustainable Economic Development in North African Countries

Lahboub Karima, Gotti Zineb

Green finance et risque climatique: vers une finance véritablement durable ?

Hiba Saidi, Aziz Moutahaddib

Geopolitical Risk and the Development of Green Finance in the MENA Region: The Moderating Role of Institutional Quality

Malak Ouardi, Aziz Moutahaddib, Fatima Zahra Moussaid

Climate Risk, Disclosure Challenges, and Firm Valuation: An Indian Perspective

PinkiInsan

Environmental Policy Stringency and Moroccan Sectoral Exports to European Partners: Evidence from a System GMM Model

Hassan Ait El Mahjoub, Anas Benjelloun

Coffee Break

16:30-17:00

Room: Meeting Foyer

Technical Sessions

17:00-18:00

Session V1: AI for Intrusion Detection Systems

Session Chairs:

Dr. Z. Asebriy, EST Essaouira, Cadi Ayad University, Morocco
Dr. R. Fajr, Sup2i Casablanca, Morocco

3:Min-Max Normalization in Machine Learning-Based Intrusion Detection: A Comparative Study

Hiba Allah ESSARGHI and Aziz DAROUICHI

18:Adaptive Intrusion Detection in IoT Networks with Proximal Policy Optimization

ZainebRahmani and AsmaeBengag

37:Explainable Hybrid Ensemble Learning Framework for Multiclass Intrusion Detection in Internet of Vehicles Networks

AbdeslemBlali, El houssaineOuajbir, MouradeAzrour, AzidineGuezzaz, Fatima Amounas, and AbdulatifAlabdulatif

43:Zero-Day Attacks in the Internet of Medical Things: AI-Driven Security Trends and Future Research Directions

El houssaineOuajbir, AbdeslemBlali, MouradeAzrour, AzidineGuezzaz

50:Explainable AI for Intrusion Detection: Methods, Evaluation Challenges, and Empirical Insights

Hiba Laknaoui, Abdellatif El Ghazi, and Mohamed Fihri

74: Lightweight Intrusion Detection System For Resource-Constrained Cyber-Physical System Devices

HNIOUA Abdessamad and DAROUICHI Aziz

Session AISEGFS-S2:Artificial Intelligence and Explainability in Finance

Session Chairs:

Dr. F. Moussaid, ENCGKenitraIbn Tofail University,
Dr. A. El Moudden, ENCGKenitraIbn Tofail University,

The Impact of ALM Strategy Risks on Performance Trends: A Moroccan Study with Machine Learning and Deep Learning Models

Said TAHIRI ALAOUI, Mohammed BOUASABAH

Artificial Intelligence in Internal Audit: Opportunities, Challenges and Explainability Issues

Soukaina El Bakali

Explaining the Biased Investor: An Explainable AI Framework

for Detecting Behavioral Biases and Its Implications for Sustainable Finance

El Moubarik Ayoub, Qafas Ahlam

Décentralisation du Recouvrement des Créances Médicales dans un Groupe Hospitalier Privé Multi-Sites : Impact sur la Performance Financière et la Trésorerie

Ayoub Boudadene, AhlamQafas, Amal Raji, Omar Kharbouch

Les principaux indicateurs de la performance financière: apports

Jouiry Sami, Oulkebir Abdellah and Benazzou Lotfi

Friday, October23, 2026

Keynote Speaker 3

09:00-10:30

Intelligence artificielle et finance verte : construire des trajectoires d'une économie durable et résiliente

Dr. Fatima Arib,

Faculty of Law, Economical and Humans Sciences, Cadi Ayyad, Marrakesh, Morocco

Session Chairs:

Dr. F. Z. Moussaid, National School of Business and Management, Ibn Tofail University, Kenitra, Morocco

Dr. A. El Moudden, National School of Business and Management, Ibn Tofail University, Kenitra, Morocco

Intelligence artificielle et durabilité: Vers un nouveau paradigme de gouvernance environnementale et de responsabilité juridique

Dr.Mohamed, Behnassi

Economic, Social and Environmental Council, Morocco

Session Chairs:

Dr. A. QAFAS, National School of Business and Management,
Ibn Tofail University, Kenitra, Morocco
Dr. M.Tahori, National School of Business and Management,
Ibn Tofail University, Kenitra, Morocco

Technical Sessions

10:30-11:30

Session AIRCET-P2: AI for Cybersecurity

Session Chairs:

Dr. E. Guarmah, ERA Marrakech, Morocco
Dr. Aziz Darouichi, FST Marrakech, Cadi Ayyad University,

**22:HCCF-FS: A Two-Stage Feature Reduction Framework for
Lightweight AI-Based Network Intrusion Detection
Systems**

*Ibrahim El Houzi, Sara Chadli, Mohammed, GhaouthBelkasmi, and
Mohammed Saber*

**31:Toward Trustworthy Federated Healthcare IoT: A Layered
Edge-Blockchain Architecture**

Salma Sabrou, AzidineGuezaz, Said Benkirane, and MouradeAzrour

**51:Towards Responsible Intelligent Hiring: AnEthical Risk
Mapping Framework for AI-DrivenRecruitment**

LoubnaAminou, Abdelaziz Daaif, MahaSoulami, and Mohamed Youssfi

**57:PerfXCR: A Practical Framework for Evaluating AI-Driven
Network Intrusion Detection under Data Shift**

BouchraNkila, BtissamAcim, Hicham Laanaya

**66:Toward Standardized Data Integration Development: A
Conceptual Modeling Framework Enhanced by Articial
Intelligence**

Fatima Gaouzi

**Session AISEGFS-S3: Sustainable FinTech, Digital
Finance, and Financial Inclusion**

Session Chairs:

Dr. A. Nouib,FSJE Marrakech Cadi Ayyad University, Morocco
Dr. A. Qafas, ENCG Kenitra Ibn Tofail University,
Machine Learning Approaches for Predicting Digital Financial

Inclusion in Morocco: A Composite Index and Explainable Artificial Intelligence Framework

Lahboub Karima, Gotti Zineb

Digital Transformation, Artificial Intelligence, and Educational Equity

Najib Bahmani, Mohamed Drar, Amine Hamdaoui, El Mostafa Alifdal, Sidi Youssef El Baghdadi

Accompagner l'entrepreneuriat féminin dans les économies émergentes : entre performance économique et autonomisation sociale – une revue systématique de la littérature.

SafaeKhoudrane, QAFAS Ahlam

Telemedicine and Smart E-Health in Morocco: Perspectives and Challenges

Ali Ikkou, Mohamed Echkaou

From Digital Transformation to Spatial Justice: The Intersecting Trajectories of AI, Governance, and Social Inequalities

Najib Bahmani, Naima Boutbirt, Souad Bartiche, Abdellah Ait Ouahman, Jamal Oulaich

Session V2: AI for cybersecurity

Session Chairs:

Dr. I. Hassnaoui, EST Essaouira, Morocco

Dr. Rihab Benaich, ENSAM, HASSAN II University Casablanca,

16:Optimal Control and Security in Multi-Agent Networks: A Systematic Review of Modern Reinforcement Learning Algorithms

Mohamed Diallo, HafidaBenazza, Khadija Bihiche, Hicham Medromi

62:A Review of Text-Based Evasion Attacks

SafaeLaatyaoui, Mohammed Saber

41:Two-Tier Hard-Threshold/ML Architecture for Real-Time Multi-Protocol ICS Intrusion Response in SDN

Abderrahmane Cadi, Ayoub Bahnasse, MouaadMohy-eddine, and RadouaneMajdoul

12:Exploring Internal Model Interventions for Large Language Model Security

Zineb Zahir, Yassine Sadqi, and OumaimaChakir

15:Do Published XSS Detectors Generalize? AReproducibility and Cross-Dataset Generalization

ImaneCherifi, Sara Chadli, Mohammed GhaouthBelkasmi, and Mohammed Saber

61: Linguistically Informed LoRA for Low-Resource Moroccan Darija-English Neural Machine Translation

Iqbal Zahra Telbissi, Soufiane Hourri, Youssef Amzil, Mohamed El Müliss, Yassine Mabchour,Said EL Abdellaoui

Coffee Break

11:30-12:00

Room: Meeting Foyer

Technical Sessions

12:00-13:00

Session AISEGFS-S4: Circular Economy, IoT, and Intelligent Resource Management

Session Chairs:

Dr.H. El Ferrachi, ENCG, Kenitra, Morocco

Dr.M. Tahori, FSJE , El Jadida, Morocco

From Digital Maturity to AI-Enabled Sustainable Transformation: Exploratory Evidence from Industrial SMEs in an Emerging Economy

Houda El Barnichi, MamdouhTlaty

Digitally-Enabled Industrial Symbiosis: An IoT-Based Framework for Intelligent Resource Management in Emerging Economies

WijdaneEz-Zegraoui, Marouane Ikira

Beyond Smart and Green Ports: A Conceptual Framework for Intelligent Resource Management

Abdelhamid Adarrab, Mohamed Mamad

Artificial intelligence maturity in procurement: A four-phase process model in an emerging economy

HinajeAbdelmalek, SahbaniSiham

Towards Sustainable Inventory Management Using Hybrid Deep Learning and Reinforcement Learning

Zineb Gotti, Karima Lahboub, Fatima Zahra Moussaid

Session V3: AI for Healthcare

Session Chairs:

Dr. F. Amounas, FST Errachidia, Morocco

Dr. H. Mikram, EST Essaouira, Cadi Ayyad University, Morocco

14:Multimodal Large Language Models for Recommender Systems: Architectures, Challenges, and Future Directions

MounaOulbacha, Aziz Darouichi

46:Decision-Level Observability for Clinical Multi-Agent LLM Systems: A Competency-Question Instrument and Preliminary Evidence

Salma Rohi, Amine Berqia

9:Span-Based Named Entity Recognition: A Comparative Analysis of Entity Representation Methods

Aymanefdaoui, Salma Laamari, and Hassan EL Bahi

70:U-KAN for 2D Multimodal MRI Brain Tumor Segmentation

Mourad Hikki, Aziz Darouichi, and AbdessamadElboushaki

71:Reversible Interpolation-Based Steganography for DICOM and Grayscale Medical Images with GA-Optimized Integer Weights

Amine Benhfid and Yassine Laarichi

56: Entity Extraction and Disambiguation in Crisis Management: A Hybrid RAG Approach on the HumAID Dataset

Aya Boujnia, Soufiane Hourri, Said El Abdellaoui

Session V4: IoT security

Session Chairs:

Dr. Yousef Taouil, EST Essaouira, Cadi Ayad University,

Dr.ChaimaeHazmane, ENSEM, Hassan II University, Morocco

7: A Lightweight and Secure Authentication Protocol for IoMT using ECC, HKDF, and Blockchain-Based Integrity Verification

Amal Benqassmi, Hind Timouhin, Fatima Amounas and MouradeAzrour

19:A PUF-Assisted Offline/Online Lightweight Authentication Protocol for Secure Internet of Drones Communications

NaoualRida Allah, Amal Benqassmi, Fatima Amounas, MouradeAzrour, Mohamed Badiy, Salma Bendaoud

21:Adaptive Federated DDoS Detection with Concept Drift Awareness in SDN-IoT Networks

Ilham Lamzouri and Mohammed Saber

23:Trustworthy Artificial Intelligence for Electronic Health Records: A Critical Review and Lifecycle Governance Framework
Hajiba Ifrah, Youssef Mellah, Sara Chadli and Mohammed Saber

26:Privacy-Preserving Federated Learning for Heterogeneous Agricultural IoT Data: Techniques, Trade-offs, and a Decision Framework

SouhaylaKasmi, Sara Chadli, and Mohammed Saber

53: Character-Aware XLM-RoBERTa for Depression Severity Detection in Code-Switched Moroccan Darija

OumaimaOuayres and Said El Abdellaoui

LUNCH

14:00

Technical Sessions

15:00-16:00

Session AISEGFS-S5:Quantitative Methods, Econometrics, and Data Science for Sustainable Development

Session Chairs:

Dr. O. Zirari,University Hassan 1st, Morocco

Dr. F. El Agri, FPE, Errachidia, Morocco

Predictive Modelling of Sustainable Development Goal Performance Using Explainable Artificial Intelligence

Khalid Boulahris, Mohammed Arabi and Said Maizzou

Determinants of Blue Economy in ASEAN Region: Evidence from the MMQR Approach

Siti FauziyyahDwiAstuti

Herding Behavior in Cryptocurrency Markets: An Econometric Analysis Using CSAD, Quantile Regression, and Regime-Switching Approaches

YousraBourdi , Ahlam Qafas

La capacite de l'intelligence artificielle et la performance durable des startups marocaines : Le rôle de médiation de la capacite d'innovation sociale

Hafsa Boukhrisse, AhlamQafas

Artificial Intelligence and Project Monitoring and Evaluation in Social and Solidarity Economy Organizations: A

Bibliometric Analysis of Practices, Determinants, and Implications for Performance in Morocco
IkkouLahoucine, Halima El Fadli, BrahimAkouz

Session V5: IA for Smart Healthcare
Session Chairs:
Dr. L.Idoglid, Ibn Zohr University, Morocco
Dr. S.Khobizy, Cadi Ayyad University, Morocco

8:Graph Neural Networks for RET Kinase Bioactivity Prediction: A Comparative Study with Classical Machine Learning
Hamza Ennasty, Aziz Darouichi

10: A Hybrid Deep Learning Framework with Bidirectional Cross-Attention for Biomedical Named Entity Recognition
Salma Laamari, AymaneNefdaoui, and Hassan EL Bahi

11:A Comparative Study of Channel and SpatialAttention Mechanisms for Retinal OCT DiseaseClassification
Kawtar NAIM and Aziz DAROUICHI

17:AI for Predictive Maintenance in Healthcare System: A Bibliometric Analysis
ECHALH Somaia, EsseddikElqars, Asmae EL Byere, WafaaDachry, Hassan Gziri and Hicham Medromi

40:A Comparative Investigation of Synthetic Oversampling and Generative Modeling for Healthcare Classification
IbtissamEssadik and BrahimGhazoui

49: Multi-Scale Deformable AttentionNetwork Built on ResNet-50 for FacialAffect Recognition on BoLD
Asmaa Elkourchi, Imrane Errafi, Aya El Jahidi, Fatima Ouahlim, Said El Abdellaoui

Session AISEGFS-S6:Management, Governance, and Territorial Development in Emerging Economies
Session Chairs:
Dr. L. IKKOU, Ibn Zohr University, Agadir, Morocco
Dr. M.Bouasabah, ENCG, Kenitra, Morocco

The Impact of Sustainable Place Branding on the Intention to Adopt Pro-Environmental Behaviors: A Conceptual Extension of the TPB

Saoussen Belkadi, Said El Guennouni

Formations entrepreneuriales et performance des coopératives agricoles : une étude qualitative à la région de Sous-Massa

AKOUZ BRAHIM, IKKOU Lahoucine

Understanding the Mechanisms Linking University Business Incubation and Entrepreneurial Resilience: A Methodological Literature Review with Implications for

Hiba EL AOUFIR, Khaoula JABARI

Maritime control and surveillance of fisheries as a condition for the effectiveness of marine protected areas: towards an integrated governance of the blue economy

RajaeJanatiIdrissi, WafaeAghbal, Youssef Pheniqi

Strategic Management and Integrated Governance of the Regional Blue Economy in Morocco: Artificial Intelligence, Marine Aquaculture and Just Ecological Transition

Zineb Mroul, Youssef Pheniqi

Technical Sessions

16:00-17:00

Session AISEGFS-S7:AI, Energy, and Digital Infrastructure for a Just Transition

Session Chairs:

Dr. A.Aberda,Hassan 1st University, Morocco

Dr.

Ethical dimensions of AI-driven marketing and consumer trust: An empirical study in the Moroccan context using SEM approach

Salma Erraoui, AsmaeErraoui

Artificial Intelligence for Port Energy Transition: Governance, Barriers, and Perceptions in an Emerging Moroccan Port

WafaeAghbal, RajaeJanatiIdrissi, Youssef Pheniqi

Digital First, Green Later? Twin -Transition Contingencies of Accelerator Support in Morocco's Startup Ecosystem

Walid Dalal,AmelAttour, DouniaRabhiand Marouane Ikira

Artificial Intelligence, Governance, and Inclusive Development

Najib Bahmani, Mohamed Drar, Amine Hamdaoui, El Mostafa Alifdal,

Sidi Youssef El Baghdadi

Session V6: Smart City

Session Chairs:

Dr. K. Bella, Cadi Ayad University, Morocco

Dr. Meryem Cherrat, Mohamed bin Abdillah Fes, Morocco

45:A Comparative Framework for Artificial Intelligence-Based Brake Fault Diagnosis Using Temporal and Time-Frequency Signal Representations

Zakariya Abderrahmani, Ismail Anoiri, MouadKaddiri, and Said Benkachcha

34:AI-Based Predictive and Prescriptive Vehicle Maintenance: A Bibliometric Analysis

JalilaMounaji, Nora Baaalla, N. Maaouni, AbdelmounaimeDachry, WafaaDachry, Hassan Gziri, and Hicham Medromi

64:TinyML-Based Real-Time Detection and Localization of Structural Defects in High-Speed Railways

MohamedElJazouly, YassineEzahidiMohamedElMoufid, Hassan Gziri, WafaaDachry, and Hicham Medromi

24:AI Ambivalence Selectively Undermines Meaning-Based Work Engagement

ChaymaeHamieddine

68:Liquidity Connectedness and Systemic Stress in Global Equity Markets: A VAR-Based Early-Warning Framework for AI-Enabled Market Monitoring

Youssef Karim El Alaoui and Yassine Laarichi

35: Inclusive Virtual Try-On Systems: Geometric andGenerativeApproaches for Diverse Garments

Mohammed Yassine El Abdellaoui, Ilham Kachbal, Ilham Mounir, and Said El Abdellaoui

Session V7: AI Applications

Session Chairs :

Dr. Y. Bourfiaa, EST Essaouira, Morocco

Dr. H. Hissou, ENSA Berchid, Hassan I University, Morocco

25:Public Street Lighting through Photometric Analysis and IoT-based Monitoring: Case Study of University Campus Road in Errachidia

Mustapha Laandour, Malika Ouhadou, NouhaylaHassani and Youssef El

Hassouani

32:A Multi-Horizon PADA Framework for Distributed Decision-Making in Industrial Edge-Fog-Cloud Systems

Hafsa Amalik and Hicham Medromi

54:Chatbots and Virtual Reality in the Smart Classroom: a Literature Review on Higher Education in the Age of AI

Hajar Chafik, Rachid El Ganbour, MohcineKodad,

65:MSR-BiGRU-AttNet: Multi-Scale Residual and Temporal Attention Learning for ECG Arrhythmia Classification

Ismail Anoiri, Ahmed El Abbassi, and Amine Tilioua

30: From Stills to Motion: Flow-Guided TemporalVirtual Try-On for Traditional Gulf Garments

Ilham Kachbal, Mohammed Yassine El Abdellaoui, Khadija Arhid, and Said El Abdellaoui