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Université Abdelmalek Essaâdi

المدرسة العليا للتكنولوجيا بتطوان
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Ecole Supérieure de Technologie de Tétouan

Mediterranean Smart Cities Forum

المدرسة العليا للتكنولوجيا - العيون
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ÉCOLE SUPÉRIEURE DE TECHNOLOGIE - LAÂYOUNE

جامعة ابن زهر
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UNIVERSITÉ IBN ZOHR

AFRICAN SMART CITIES & INNOVATION CONGRESS

ASCIC2026

AFRICAN SMART CITIES & INNOVATION CONGRESS

PROGRAM AND USEFUL INFORMATION

27-29 October 2026

LAAYOUNE - MOROCCO

Contact : Prof. Ahmed Bendahmane **+212669447481** **abendahman@uae.ac.ma**

Partners:



" In this respect, Morocco believes in a kind of co-development which is based on intra-African cooperation, economic complementarity, active solidarity and the pooling of resources and efforts. These are prerequisites for any inclusive growth and for sustainable human development on the Continent. The goal, ultimately, is to transform Africa into a dynamic force and to make it a major player on the international scene for the benefit of our populations.

To promote progress in Africa and boost intra-African trade, we need to build on the technological development the world has witnessed and to turn our intra-African trade deficit into opportunities for the development of new digital technologies.

Africa is on its way to becoming a global digital laboratory. Spurred on by young people's ingenuity, creativity and audacity, digital technology is changing the face of our Continent. We owe this digital quantum leap to young startups operating in the fields of finance, telecommunications, industry and agribusiness, to name but a few. Often, those behind this innovative process are young people from low-income segments of the population. Our young people ought, therefore, to take center stage in our public policies."

Excerpt from the message of His Majesty King Mohammed VI, may God assist him, addressed to the participants of the Crans Montana Forum (FCM), on March 18, 2016 in Dakhla.

Program Overview: Day 1

Venue: EST, LAAYOUNE - MOROCCO

October 27

8 :30	**Registration & Welcome Tea**
10 :00	**Opening speeches and Ceremony**
10 :30	**Keynote talk: Prof. Hayar Aawatif** University Mohammed VI Polytechnic Former Minister of Solidarity Social Inclusion and Family **FUSSAIFOSA: Frugal Sovereign Social AI for Sustainable Africa**
	Panel: Official's institutions
	Keynote talk: Mr. Tarik Moudni Director of STM, Morocco **Smart Cities industry**
	Keynote talk: Prof. Mike Singh Chairman of the Telkom Caribe Group, TC Energy & ICT Infra, USA **Africa's Role in Powering, Connecting & Innovating the Next Century for The Global South** **Upskilling, Infra & R&D - Morocco's Indispensable Role in Fostering 4th Industrial Revolution for the Global South**
	Signing of Agreements
	visit to "ASCIC'2026 Expo" **B2B & B2D**
	Official Reception
	Launch of the Hackathon Program
12 :30	**Keynote talk 1: Prof. Saad Y. Jasim** President, SJ Environmental Consultants (Windsor) Inc., Canada **Advanced Technologies to Achieve Water Sustainability in Smart Cities**
13 :00	**Keynote talk 2: Dr. Jaewon Peter Chun** President, World SmartCities Forum (WSCF) **From Vision to Implementation: Building Africa's Smart Cities Through Global Partnerships, Innovation, and Real-World Testbeds**
13 :30	**Break**
14 :30	**Keynote talk 3: Dr. Laurent Canale** CNRS Research Engineer at the LAPLACE Laboratory, Toulouse, France. **The LED Revolution: A Global Transformation with Unforeseen Consequences**

15 :00	**Keynote talk 4: Mr. Cherif Laaroussi** Regional Delegate of the Institution of the Mediator of the Kingdom – Laâyoune-Sakia El Hamra Region **The Transition Toward Smart Cities: Administrative Regional Delegate of the Institution of the Mediator of the Kingdom – Laâyoune-Sakia El Hamra Region**
15 :30	**Keynote talk 5: Dr. Navy Captain Mostafa BOUSSIF** Colonel/Marine Royale (Retired) **Smart Cities along Morocco's Southern Coast: Drivers of Moroccan Smart Sea Power, Sahelian Integration, and Atlantic Connectivity**
16 :00	**Break**
16 :15	**Keynote talk 6: Dr. Mounir Saleh** Sekretar-General of the National Forum for Saharan Dialogue and Cultures. **الجيل الجديد لبرامج التنمية التربية المندمجة: نحو جيل جديد من الذكاء الترابي**
16 :45	**Panel 1: Artificial Intelligence for Smart Cities** Moderator: Dr. Badr Ben Hichou - **Panelist 1: Prof. Mohammed Seaid** - **Panelist 2: Prof. Abdellatif El Afia** - **Panelist 3: Prof. Az-Eddine Bennani** - **Panelist 4: Mr. Radouane Abdesslem**
17 :30	**Closing Ceremony of Day 1**
20 :00	**Gala Dinner**

Program Overview: Day 2

October 28

09 :00	**Keynote talk 7: Mr. Coffi Dieudonné ASSOUVI** General Director of CAFRAD - African Training and Research Centre in Administration for Development **Intelligent digital Transformation : Digital Technologies for Sustainable Governance**
09 :30	**Keynote talk 8: Prof. Az-Eddine Bennani** Professor and Senior Expert in Artificial Intelligence, Digital Strategy, and Systemic Governance **From Smart City to Smart Region** **Digital Twins as Instruments for Simulation, Governance, and Territorial Sovereignty**
10 :00	**Keynote talk 9: Dr. Robert Laurini** INSA, University of Lyon, France **Identifying and Interconnecting Bundles of Knowledge for Natural Disaster Management**
10 :30	**Keynote talk 10: Prof. Mohammed Seaid** Durham University, United Kingdom **Climate-informed Urban Flood Risk Mapping: Integrating Physics-based Modelling and AI for Climate-resilient Smart Cities**
11 :00	**Break**
11 :30	**Keynote talk 11: Shaik Hamdan** Middle East Regional Lead for the Smart Cities Council, Abou Dabi, Émirats arabes unis **Beyond Smart Cities: Building African Cities People Love to Live In**
12 :00	**Keynote talk 12: Prof. Karim Dasuki** Universidad del Sinú & i-Cluster, Colombia **Seven Western cities analysis regarding of smart city actions in response to the El Niño phenomenon**
12 :30	**Keynote talk 12: Sandra Baer** Brand Ambassador, SmartCitiesWorld, Washington, United States of America **Africa's Smart City Revolution: The Future Is Now** **From Digital Innovation to Intelligent Governance, Youth Leadership, and Cities That Thrive**
13 :00	**Break**

14 :30	**Panel 2: Big Data, Urban Analytics, Decision Support, Cybersecurity & Data Protection** Moderator: Prof. Abdelaaziz EL Hibaoui - **Panelist 1: Mr. Mohamed Serrhini** - **Panelist 2: Mr. El Mehdi Benaabd** - **Panelist 3: Mr. Monir El Mounaoui** - **Panelist 4: Mr. Walid Boukhress**
15 :30	**Keynote talk 13: Prof. Bashir SALEH** Libyan Academy for postgraduate, Tripoli, Libya **Smart Buildings in Future Cities: Integrating Structural Health Monitoring and Finite Element Analysis Using ABAQUS**
16 :00	**Break**
16 :15	**Keynote talk 14: Christian Bardon** President & CEO VotreCity Monaco **Development of Smart City - How to do it ? Risks and challenges**
16 :45	**Panel 3: Digital ID, Digital Economy, Innovation & Entrepreneurship** Moderator: Prof. Houssain Kettani - **Panelist 1: Mr. Tarik Moudni** - **Panelist 2: Mr. Anne bureau** - **Panelist 3: Mr. Hazem Galal** - **Panelist 4: Mr. Shaik Hamdan**
17 :30	**Closing Ceremony of Day 2**

Program Overview : Day 3

October 29

09 :00

Keynote talk 15: Mr. Hazem Galal

Founder and Chief Executive Officer of Top Urban AI, UAE

The institutional conditions that decide whether an AI deployment survives

09 :30

Keynote talk 16: Dr. Sultan Al Sultan

CEO, Environmental Center Of Remote Sensing, Ryiadh, KSA

State of The Art Digital Transformation in Data-Driven Public Decision-Making

10 :00

Keynote talk 17: Grace Kimaru

ASCIF Ambassador and Founder Foster Green Organization, Kenya

Beyond Digital Infrastructure: Community-Led Innovation for Climate-Resilient and Inclusive African Towns

10 :30

Keynote talk 18: Cornelia Levy-Bencheton

Expert in Community Engagement, Marketing, and Urban Innovation

Rethinking the Smart City from Technological Capability to Human Possibility

11 :00

Break

11 :30

Keynote talk 19: Abdelaziz Lakhfaouni

Delegate Member of the Arab Council for Creativity and Innovation and Representative of the Council in the Kingdom of Morocco

Laayoune at the Heart of Africa: Reimagining the City through AI Algorithms and Digital Transformation

12 :00

Panel 4: Smart Cities Resilience and Climate Action

Moderator: Prof. Mohammed Seaid

- **Panelist 1: Dr. Abderrahim kssiri**
- **Panelist 2: Dr. Hassan Agouzol**
- **Panelist 3: Prof. Amine Hourairi**

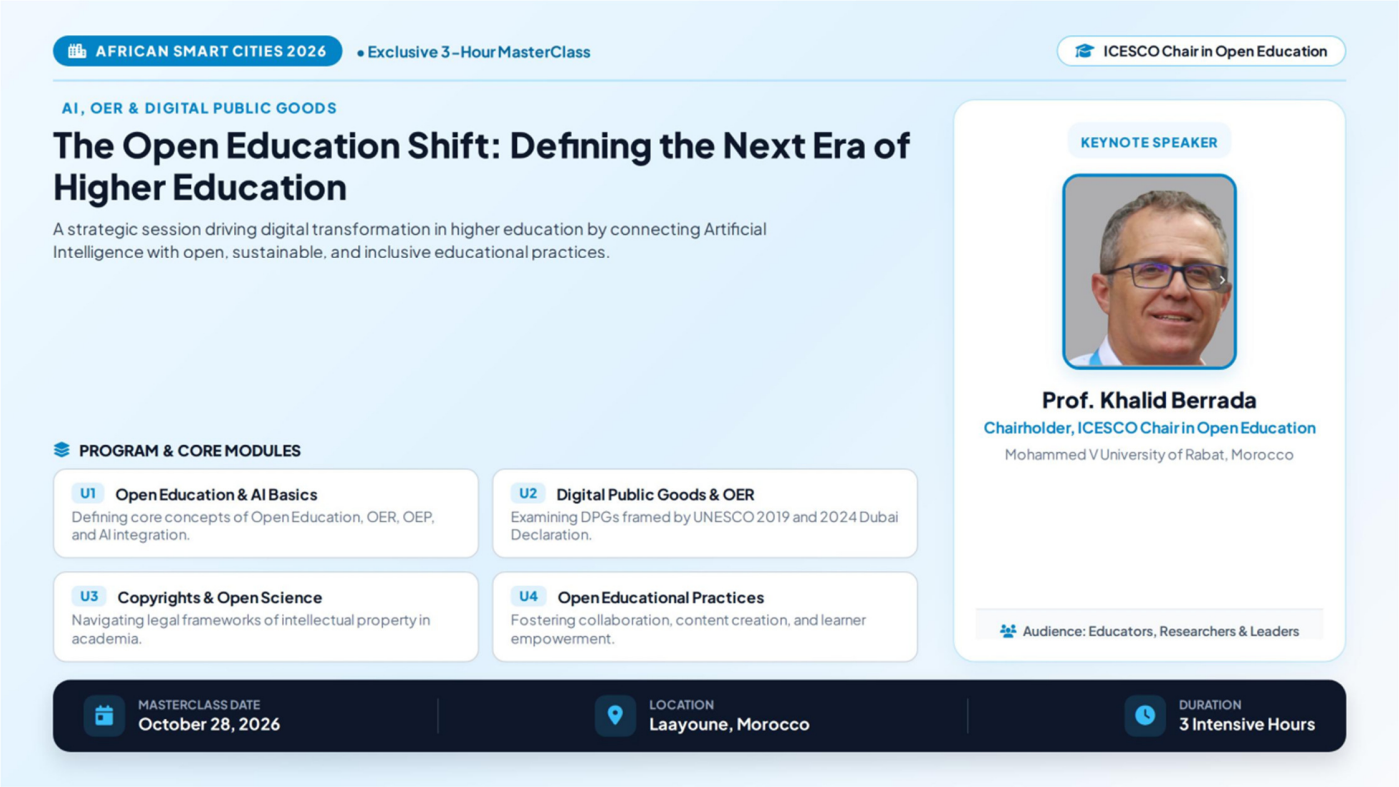
12 :45

Closing and Awards Ceremony

MasterClass: The Open Education Shift – Defining the Next Era of Higher Education through AI, OER, and Digital Public Goods

October 28

13h : 00 – 16 : 00



Workshop Program

9 workshops spread over 2 days, organized into parallel sessions

Jour	Session	Thème de l'atelier	Intervenant(s) / Responsable(s)
Jour 2	Session 1 2 ateliers en parallèle	ATELIER 1 Intelligence et gouvernance territoriale	Badr Ben Hichou
		ATELIER 2 Management juridique et finance	Boulaksili Abdelhamid
	Session 2 3 ateliers en parallèle	ATELIER 3 Développement web, mobile et agent IA	Abdelaaziz El Hibaoui
		ATELIER 4 Management RH	Abdelfettah Lahiala
		ATELIER 5 Introduction to quantum computing	AIT ZAOUIAT Charaf Eddine
Jour 3	Session 3 2 ateliers en parallèle	ATELIER 6 Cyber sécurité et IA	Abdel Ali Harchaoui
		ATELIER 7 Media Marketing digital	António COSTA VALENTE
		ATELIER 8 Merchandising et cycle de vie d'un produit	Laila Drouiche
	Session 4 3 ateliers en parallèle	ATELIER 9 Biotechnologie et santé numérique	Abdellatif El Afia
		ATELIER 10 Génie civil	Bashir Saleh
		ATELIER 11 Systèmes d'information entrepreneuriat	Mohamed Amine Lahiala

AFRICAN SMART CITIES HACATHON

SMART CITIES BOOT CAMP

Sunday, October 25th, 2026 | Hybrid Mode Google Meet)

Moderator: Pr El Harrak Hajri Mohammad (SUP MTI Rabat)

Time	Module / Speaker	Topic / Theme
11:00 AM - 12:00 PM	Soft Skills (FS Tetouan) Pr El Hibaoui Abdelaziz	Beyond Words: the art of Non-Verbal Communication
12:00 PM - 01:00 PM	Digital Skills (FS Tetouan) Pr Ali Younes	Cloud-Native DevOps: Automating Deployment, Scaling and Resilience
01:00 PM - 02:00 PM	Power Skills (France) Mr El Mounaoui Mounir	Building Secure Smart City Solutions

HACKATHON & CEREMONY PROGRAM

October 27th – 29th, 2026 | Palais des Congrès, Laayoune, Morocco

Time	Activity / Session
Tuesday, October 27th | DAY 1: OPENING & RALLYING	
08:00 AM - 07:00 PM	Team Registration & Welcome Tea
10:30 AM - 12:30 PM	Official Opening Ceremony & Congress • Opening Speeches (Moderator: Laila Zaouel) • Keynote Talk: Dr. Hayar Aawatif • Panel: Official Institutions • Panel: Smart Cities Industry (B2B & B2D) • Keynote Talk: Dr. Ranjeet Singh • Signing of Agreements / Memorandums • Visit to the 'ASCIC 2026 Expo' (B2B & B2D) • Official Reception • Launch of the Hackathon Program
14:00 PM - 15:00 PM	Hackathon Official Kick-Off
09:00 PM - 09:45 PM	Workshop: The Business Model
10:00 PM - 09:00 AM	Brainstorming & First Steps (Overnight Work)
Wednesday, October 28th | DAY 2: DEVELOPMENT & PROTOTYPING	
08:00 AM - 03:45 PM	Hackathon: Prototype Development
04:00 PM - 04:45 PM	Workshop: The Product Design

05:00 PM - 07:45 PM	Hackathon: Prototype Finalization
08:00 PM - 08:45 PM	Workshop: The Pitch
09:00 PM - 09:00 AM	Pitch Preparation (Slide finalization & rehearsals)
Thursday, October 29th | DAY 3: FINALS & AWARDS	
08:00 AM - 08:45 AM	Projects' Final Submission
09:00 AM - 12:00 PM	Hackathon: Pitches to the Jury
12:15 PM - 01:00 PM	Jury Deliberation
01:15 PM - 02:00 PM	Closing Ceremony & Award Distribution

🚀 Parallel Track: Hackathon Kids

Time	Activity / Session
Tuesday, Oct 27	**DAY 1: DISCOVERY & CONCEPTUALIZATION**
09:30 AM - 12:00 PM	Discovery Workshop: Introduction to Coding and Visual Logic (Scratch/Blockly).
02:30 PM - 05:00 PM	Green City Challenge: Designing cardboard eco-districts and eco-friendly parks.
Wednesday, Oct 28	**DAY 2: ROBOTICS & DEMO DAY**
09:30 AM - 12:00 PM	Smart Robotics Lab: Hands-on electronic prototyping (Using educational micro-controllers and simple sensors for automated streetlights/waste management).
02:30 PM - 04:30 PM	Show & Tell Session: Young creators showcase their miniature smart cities to parents and supervisors.
Wednesday, Oct 28	**DAY 3: Pich and ceremony**
08:00 AM - 08:45 AM	Projects' Final Submission
09:00 AM - 12:00 PM	Hackathon: Pitches to the Jury
12:15 PM - 01:00 PM	Jury Deliberation
01:15 PM - 02:00 PM	Closing Ceremony & Award Distribution

Foreword

Welcome to the **African Smart Cities & Innovation Congress.** Proudly hosted in the city of Laâyoune, a vibrant symbol of the Moroccan Kingdom's development strategy in its Southern Provinces. The city represents a dynamic environment where forward-looking urban development meets advanced digital technologies. This major international event will serve as a strategic platform to showcase pioneering initiatives in smart cities, digital governance, and urban innovation.

As Africa experiences rapid urban growth and accelerated digital transformation, the continent has emerged as a fertile ground for innovative smart city solutions. From ***IoT, AI, big data, and 5G technologies*** to interdisciplinary perspectives across all scientific fields, the Congress will bring together policymakers, technology experts, industry leaders, researchers, startups, civil society actors, innovators, and PhD students. Together, they will explore forward-thinking initiatives designed to shape the cities of tomorrow. With the growing need for sustainable and inclusive urban development, this congress provides a unique opportunity to exchange knowledge, address emerging challenges, and build new international collaborations.

Join us for three days of inspiring experiences, featuring visionary keynote speeches, interactive panels, and presentations of proven projects and successful case studies. The event will offer valuable opportunities for networking, partnerships, and the sharing of innovative ideas that will influence the future of smart and sustainable urban ecosystems across Africa and beyond.

Ahmed Bendahmane
Abdelmalek Essaadi University, Morocco

ASCIC'2026 General Chair

Detailed Sessions Program

S1 (Onsite & Online)	Artificial Intelligence for Smart Cities Smart Governance Sensing and Smart Products for Energy Smart Health Digital Transformation Smart Services, Urban Logistics Innovations and Smart Manufacturing
S2 (Onsite & Online)	Intelligent Transportation Systems and Smart Mobility Data Analytics for Smart Cities Smart Environment and Climate Resilience Big Data, Urban Analytics and Decision Support Digital Transformation Smart Education Digital Economy, Innovation and Smart Entrepreneurship Artificial Intelligence for Smart Cities
S3 (Online)	Artificial Intelligence for Smart Cities Smart Governance Digital Transformation Territorial Intelligence Smart Health
S4 (Online)	Territorial Intelligence Digital Transformation Smart Governance Community Engagement
S5 (Online)	Digital Economy, Innovation and Smart Entrepreneurship Cyber Security for Smart Cities Smart Education
S6 (Online)	Smart Education Digital Inclusion Smart Governance Smart Health
S7 (Online)	Smart Health Artificial Intelligence for Smart Cities Smart Electrical / Electronic devices, Microelectronic design Sensing and Smart Products for Energy Smart Energy Integrated circuits and Embedded Technologies
S8 (Online)	Integrated circuits and Embedded Technologies Smart Electrical / Electronic devices, Microelectronic design Smart Energy Internet of Things networking and communication Artificial Intelligence for Smart Cities Cyber Security for Smart Cities Smart Governance

S9 **(Online)**	**Cyber Security for Smart Cities** **Big Data, Urban Analytics and Decision Support** **Data Analytics for Smart Cities** **Sustainable Urban Planning** **Innovation in Infrastructure** **Smart Building and Demotic Automation** **Smart Environment and Climate Resilience** **Resilience and Climate Action**
S10 **(Online)**	**Smart Environment and Climate Resilience** **Resilience and Climate Action** **Intelligent Transportation Systems and Smart Mobility** **Artificial Intelligence for Smart Cities** **Smart Services, Urban Logistics Innovations and Smart Manufacturing** **Irrigation And Agriculture**

Onsite sessions

Sessions présentiel ASCIC2026

27 October					28 October					29 October				
Horaire	Salle 1	Salle 2	Salle 3	Salle 4	Horaire	Salle 1	Salle 2	Salle 3	Salle 4	Horaire	Salle 1	Salle 2	Salle 3	Salle 4
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Onsite sessions

S1a	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 10:00 - 11:45	**From Opaque Oracles to Procedural Filters: Engineering a Sovereign Graph-RAG Architecture for Citizen-Centric Urban Governance (ID:17)** Kharbach, Oussama*; Chenal, Jérôme ; EBNOU ABDEM, Seyid Abdellahi; AZMI, Rida; Lahlouh, Ayoub; Bounabi, Mariem
	An Integrated DEA-Artificial Intelligence Framework for Sustainable Smart City Supply Chain Performance Evaluation (ID:62) DARHA, RAYHANA*
	From Data to Decision: A Multi-Source AI-Driven Decision-Support System for Urban Governance in African Cities: Evidence from Nouakchott (ID:71) Ebnou Abdem, Seyid Abdellahi*; Chenal , Jérôme ; Azmi, Rida ; Bounabi, Mariem; DIOP, ELBACHIR; LAHLOUH, AYOUB; Ziki, Rajae; KHARBACH, Oussama; EL GARNAOUI, Mohamed ; Claude Munyaka , Baraka Jean
	The Connected Urban Organism: A Systematic Review and Closed-Loop Framework for Real-Time Adaptive Governance in African Cities (ID:326) Berramdane, karim*
	Green AI for Sustainable Formal Verification of Embedded System Components (ID:349) ELJADIRI, Lamia*; Assayad, Ismail; Nahhal, Tarik
	Digital Transformation, Artificial Intelligence, and Communication Professions: Toward a Reconfiguration of Professional Profiles in the Casablanca Smart City Ecosystem (ID:78) CHAOUI EL GHOR, Khaoula*

S1b	**Smart Governance** Artificial Intelligence for Smart Cities
	Chairs :
28 October 10:00 - 11:45	**Smart Governance through Mega Sporting Events: Translating Strategic intentions into Tourism Diplomacy and African cooperation in the Case of AFCON 2025 (ID:117)** BOULOUAH, Wissal*; Bouriqui , Zahrae; El Youssiffi, Meryem ; Chatt , Khaoula ; Drouiche , Laila ; Lahiala , Abdelfattah
	Resilient Technology Adoption in Contested Environments: A Framework and Workbook for Government Decision-Making (ID:164) Peck, Andrew*; Phillips, Iain; Watson, Tim
	Corruption and Export of Small and Medium-sized Enterprises in Vietnam (ID:168) Huyen, Nguyen*; Trang, Be; Van, Nguyen
	Smart Foresight in Smart City Planning and Governance: Developing a Conceptual Framework for Long-Term Participatory Decision-Making (ID:191) Soltani, Seyed yasser*; Montazer, Gholamali
	Digital Property Tax Reform and Municipal Revenue Mobilization: Evidence from Freetown, Sierra Leone (ID:298) Ghrara, Somia*; Bentaleb, Lahoucine
	Algorithmic Governance and Ethics in Urban Public Recruitment: Toward a Responsible AI Framework for African Smart Cities (ID:207) Maidoumi, Chaima*; Chaouki, Farid; alaoui , lalla amina

S1c	**Sensing and Smart Products for Energy** Smart Health Artificial Intelligence for Smart Cities Digital Transformation Smart Services, Urban Logistics Innovations and Smart Manufacturing
	Chairs :
28 October 10:00 - 11:45	**Contribution of computational chemistry to DSSC development: A Bibliometric study of Triphenylamine-based dyes (ID:131)** Toubbali, Hamoud*; Khadiri, Abdelhamid; Zarrok, Hassan ; El Hezzat, Mounir ; Zarrouk, Abdelkader
	Numerical Investigation of Enhanced $MAPbI_3$ Perovskite Solar Cell Efficiency Using TiO_2/ZnO Bilayer Electron Transport Layers (ID:378) BOUGHANBOUR, khadija*
	Convergence of Artificial Intelligence, Mobile Health, and Mental Health: A Bibliometric Analysis of Research Trends and Conceptual Structure (ID:334) El Alaiki, Ayoub; LAFRAXO, Mohammed Amine*; Kaddouri, Mohammed; Yacoubi, Abdelkader; Soulaymani, Aida; Hami, Hinde
	SaharaCare: An AI-assisted GIS platform for monitoring earthen buildings in desert areas (ID:364) abba, Salma*
	Écrire la ville connectée : la littérature numérique comme contre-récit de la smart city (ID:330) Chahbi, Latifa*
	Beyond Employment Creation: Labor Relations, Intersectional Vulnerability, and Sustainable Industrial Development in Ethiopian Industrial Parks (ID:11) Bekela, Latera*

S2a	**Intelligent Transportation Systems and Smart Mobility** Data Analytics for Smart Cities Smart Environment and Climate Resilience Big Data, Urban Analytics and Decision Support Digital Transformation
	Chairs :
28 October 11:45 - 13:30	**ECONOMIC VALUE OF AI-DRIVEN BUS NETWORK OPTIMISATION USING AGGREGATED TELECOM MOBILITY DATA: A CONCEPTUAL FRAMEWORK FOR EMERGING-ECONOMY CITIES (ID:14)** Grigoryev, Andrey*
	Economic Value of AI-Driven Bus Network Optimisation Using Aggregated Telecom Mobility Data: A Conceptual Framework for Emerging-Economy Cities (ID:269) Grigoryev, Andrey*
	Semantic-Driven Digital Twins: Data Governance with Open Standards, Data Models and Ontologies (ID:213) Jara, Antonio *; Cuevas Martinez, Iris; Fernandez, Jesualdo
	Physical AI at the Human-Approval Gate: Event-Triggered Flood Decision Support for a Multi-Agent Reservoir Pipeline (ID:279) EL AOUMRANI, Marouan*; EL HIBAOUI, Abdelaaziz
	Beyond Smart Infrastructure: Spatial Justice and Lived Experience in Morocco's Urban Peripheries—The Case of Sidi Moumen, Casablanca (ID:285) OUTASS, ASSIA*
	Impact of Digital Transformation on Performance: Contributions of Organizational Change Models and Transformational Leadership (ID:64) MRAIZIG, Aicha*; RIAD, Lamyaa

S2b	**Smart Education** Digital Economy, Innovation and Smart Entrepreneurship
	Chairs :
28 October 11:45 - 13:30	**Developing Digital Competencies Through an Analysis of the PIX and DigComp Frameworks: A Literature Review and Bibliometric Analysis (ID:116)** Khayya, Mohamed; SAOUDI, YOUNESS*; Oumaira, Ilham
	A Conceptual Cognitive-Affective Model of Dropout Risk Associated with Modeling Errors in Adaptive Personalized Learning Systems (ID:182) Kawtar, YAQINE*; azinda, Abdelmounaim; Omar , Abdennour ; kaoutar, cheddadi ; KHALDI, Mohamed; LAMARTI, Mohammed sefian
	Economic Freedom and Tourism: A Cross-Sectional Analysis of the Influence of Institutional Regulatory Dynamics on Leisure Markets Outcome, and the establishment of Covariant Causal Correspondence for Model Construction (ID:209) BENSBAHOU, Aziz; AOURIR, Abderrahim*
	Digital Transformation and Entrepreneurial Performance: The Mediating Role of Innovation and Opportunities Offered by Digital Platforms (ID:407) ECHRIDI, ELGHALIA*

Online Sessions

Sessions à distance ASCIC2026

27 October						
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Online sessions

S1a	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 09:00 - 10:30	**Algorithmic Governance and the Future of Public Decision-Making in Smart Cities: Rethinking the Limits of Digitalization and the Requirements of Democratic Legitimacy (ID:13)** Derfoufi, Sabah*
	From Road Traffic to Intelligent Mobility: A Case Study of AI-Based Urban Transport Transformation in Rabat (ID:21) Watik, Chaimaa*
	Comparative Study of Optimization Methods for Deep Neural Networks. (ID:25) ZROURI, Amira*; EL FARISSI, Ilhame
	Experiential Pathways to Urban Sustainability: A Conceptual Framework of Smart City Experience for Digital Citizen Engagement (ID:30) LEBBADI, Yasmine*; EL AYAT, Nisrine; LABIAD, Hala; OUAZRI, Chaimae
	From Adoption to Appropriation: A Conceptual Framework of Smart City Appropriation for Urban Sustainability (ID:31) LEBBADI, Yasmine*; EL AYAT, Nisrine; LABIAD, Hala
	Towards an Open- Data and Algorithmic Administration In Morocco: Challenges of Algorithmic Justice and AI Transparency in Urban Public Services: A Systematic Literature Review (ID:35) EL HAMRI, HANAN*

S1b	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 09:00 - 10:30	**Calibrated but Fragile: Adversarial Manipulation of Confidence in Probabilistic Support Vector Machines (ID:40)** EL AFIA, SARAH*
	Large-Scale Comparative Evaluation of Rule-Based and Deep Reinforcement Learning Strategies for Smart Waste Collection: A Generalization Study in Laâyoune, Morocco (ID:48) AJANA, Laila*; Souri, Adnan; El Mohajir, Badr Eddine ; El Hichami, Outman; Zbakh, Abdelali
	Digital Transformation for Enhancing Resilience and Flexibility in Automotive Supply Chains under VUCA Conditions: A Smart Cities Perspective (ID:53) TOUMI, SALMA*; SARIR, HICHAM
	Artificial Intelligence for Sustainable and Resilient Buildings: A Geospatial Decision-Support Framework for Natural Hazard Vulnerability Assessment (ID:389) Belkhalfi, ELMEHDI*
	An AI Pipeline for Ambient Low-Frequency Electromagnetic Disaggregation and Passive Appliance Anomaly Detection: A Conceptual Framework (ID:76) Hamza, Badr*; El Afia, Abdellatif
	Algorithmic Governance and Ethics in Urban Public Recruitment: Toward a Responsible AI Framework for African Smart Cities (ID:207) Maidoumi, Chaima*; Chaouki, Farid; alaoui , lalla amina

S1c	Artificial Intelligence for Smart Cities
	Chairs :
28 October 09:00 - 10:30	**THE ROLE OF INDUSTRY 4.0 MATURITY IN ENHANCING SUSTAINABLE PERFORMANCE: AN ECONOMETRIC ANALYSIS OF MOROCCAN MANUFACTURING (ID:91)** saadan, Ikram*; Boumhamdi , Mounir ; Ikira , Marouane ; Echaki, Basma
	REAL-TIME ANOMALY DETECTION IN CRITICAL EMBEDDED SYSTEMS USING ARTIFICIAL INTELLIGENCE: A REVIEW OF DEEP LEARNING APPROACHES (ID:97) FATHI, Samia*; Ben aisa, Zakia; Tribak, Hicham
	Comparative Study of Artificial Intelligence Architectures for the Analysis of Skeletal, Muscular, and Organ Systems from Medical Images (ID:101) Barra, Ayoub*; Ayoub, Barra
	PERSONAL DATA PROTECTION IN AI-DRIVEN SMART CITIES: CHALLENGES AND PROSPECTS FOR THE MOROCCAN LEGAL FRAMEWORK (ID:118) ESSALHI, IMANE*; KHALIDI, FARID
	Hybrid CNN-SNN Architecture with Adaptive Spike Encoding for Energy-Efficient Anomaly Detection in Smart Water Systems (ID:119) Jlibane, Imane*
	From Resource Threat to Resource Gain: An Integrated JD-R and Conservation of Resources Model of AI-Driven Work, Self-Directed Learning and Employability in Smart Cities (ID:406) alaoui mhamdi, ismail*

S1d	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 09:00 - 10:30	**Artificial Intelligence and Business Models: What's the Connection? (ID:139)** Demmami, Yassine*; Ouabouch, Lhoussaine
	La gouvernance de la Zakat pilotée par l'intelligence artificielle au Maroc : conception d'un cadre intelligent d'aide à la décision pour un développement socio-économique durable (ID:142) OISKHINE, ABDERRAHIM*; Abdelbaki, Noureddine
	Integrating Conversational Agents into the Smart City Ecosystem: Towards Augmented Urban Governance (ID:147) Chafik, Hajar; El Ganbour, Rachid; Kodad, Mohcine*
	Federated Learning for the Internet of Things: Architectures and Challenges (ID:154) lamyaa, moulad; moulad, lamyaa*
	Deep learning for accident detection in surveillance video in smart cities (ID:156) Dardour, Abdellah*
	Municipal Budget Forecasting Using Bayesian-Optimized LSTM Networks: A Case Study (ID:167) Hojaji, Fazilat*; Mohammadi Najafabadi, Hasan

S1e	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 09:00 - 10:30	**Multi-Objective Optimization of Functionally Graded Beams Using a Discrete Mechanical Model and SMPSO (ID:169)** EL MAKKI , ASMAA*; Moukhliss, anass; chajdi, mohcine ; Rahmouni, Abdellatif; Benamar, Rhali
	Monitoring of Localized Viscous Dampers in Smart Urban Structures Using Discrete Mechanical Modeling and Neural Inverse Identification (ID:170) BOUSBAA, OUSSAMA*; CHAJDI, MOHCINE; moukhliss, ANASS; Rahmouni, Abdellatif ; BENAMAR, RHALI
	Optimal Modal Information for ANN-Based Vibration Crack Identification (ID:174) EZZOUBAIDI, ELMAHDI*; ADRI, AHMED; chajdi, mohcine; Moukhliss, Anass
	Discrete Model and Artifcial Intelligence Based Structural Health Monitoring of Cable-Supported Bridges for Smart and Resilient Cities (ID:181) EL KHIL, ABDELKBIR*; moukhliss, anass; chajdi, Mohcine; Rahmouni, Abdellatif ; Benamar, Rhali
	ReviewSense AI: An Explainable Multi-Feature Framework for Trustworthy Product Review Analysis in E-Commerce Platforms (ID:186) Lende, Sanket *; Lende, Om; Loya, Vedant; Lohiya, Dev; Agrawal, Mahip; Barhate, Madhuri
	Q-Deep Learning and GIS-Driven Framework for Drone-Based Crack Monitoring and Road Repair Prioritization (ID:187) OULAHYANE, AYOUB*; hakkou, Soufiane; Lamlili El Mazoui Nadori, Yasser

S1f	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 09:00 - 10:30	**AI-Driven Intelligent Mobility: Transforming Urban Road Traffic in Rabat through a Smart Transporta-tion Framework (ID:190)** Watik, Chaimaa*
	Artificial Intelligence Governance and Financial Crime Prevention: A Framework for Combating Emerging Criminal Innovations in the Banking Sector (ID:193) Amimi Almasbahi, Fairouz*
	EcoSort – A Smart AI-based Waste Segregator (ID:200) Morale, Anuj*
	Automated Roofline Detection for Scalable 3D Building Reconstruction in Urban Environments (ID:202) Chalapaka, Rajasekhar*
	Optimized LiDAR-Based Building Segmentation for Structural Assessment in Smart Cities (ID:203) Chalapaka, Rajasekhar*
	Automated Hydro-Infiltration Mapping in Subway Tunnels via 3D Point Cloud Analysis (ID:204) Chalapaka, Rajasekhar*

S2a	**Artificial Intelligence for Smart Cities** Smart Education
	Chairs :
28 October 09:00 - 10:30	**User-Centered Design and Federated Learning for Voice-Based Accessibility Software: Privacy-Preserving Machine Learning on Linux Mobile Devices (ID:205)** Chalapaka, Rajasekhar*
	Gesture-Based Touchless ATM (ID:214) Patil, Uma; Garge, Tanmay; Patil, Tejas; Thakur, Vedant; Tarate, Pratik; Thombare, Prathamesh*
	Project-Based Learning for Smart and Participatory Societies: A Moroccan EFL Classroom Case Study (ID:291) moussaoui, rachida*; Elfaraoui, Widad
	Component-Wise Evaluation of Retrieval-Augmented Generation for Moroccan Legal Texts (ID:220) EL BELGHITI, Charif*; EL AFIA, Abdellatif
	Service Quality and Satisfaction of Frequent Public Bus Users: A Qualitative Study in Greater Agadir. (ID:224) SOUASSI, MOHAMED AMINE*; HNAKA, ZAINAB
	Discrete Dynamic Modeling and Real-Time ANN Prediction of Displacement and Curvature of a Smart Porous Asphalt Pavement Beam under a Moving Vehicle (ID:228) AYOUB, NASSIMA*; Moukhliss, Anass; Rahmouni, Abdellatif; Benamar, Rhali

S2b	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 09:00 - 10:30	**Vibration Based Identification of Equivalent Soil Stiffness Parameters Using a Semi-Analytical Plate Model and Artificial Neural Networks (ID:232)** Moukhliss, Anass*; Ezzoubaidi, Elmahdi ; Ayoub, Nassima; Rahmouni, Abdellatif; benamar, rhali
	Retail Demand Forecasting and Decision Support Using Artificial Intelligence: A Web-Based Approach (ID:233) jatte, hoda*; Belattar, Sara; Haimoudi, El khatir
	Training-Aware Autoscaling of Deep Learning Pipelines for Cost-Efficient AI Workloads on Smart City Cloud Platforms (ID:237) AJDOUR, AYOUB*; Al-Amrani, Yassine
	Artificial intelligence integration in Moroccan smart cities: a comparative analysis of convergences and divergences (ID:239) Fath el khair, Khaoula*; El Hamzaoui, Mustapha; Kobiyh, Miloudi
	governing digital transformation: governance mechanisms for enhancing organizational performance in Moroccan firms (ID:249) boudrissa, issam*
	NeuroRecall: Multimodal Facial Biometric Recognition and Adaptive Neurocognitive Training Platform (ID:251) Dhotre, Dr. VirendraKumar A; Mamajiwala, Behlah*; Khan, Mohd Irshad; Mahajan, Shrey; More, Riyah; Shankar, Mrinaalini

S2c	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 09:00 - 10:30	**A Comparative Study of Machine Learning Algorithms for Early Detection Of Heart Disease (ID:255)** Harde, Parth*
	A hybrid multi-agent system for territorial disparity measurement in Moroccan rural areas (ID:114) TABLOUL, Nassima*; KODAD, Mohcine
	TOWARDS SMART CITY DEVELOPMENT: APPLICATION OF REINFORCEMENT LEARNING FOR AUTONOMOUS TRAFFIC CONTROL (ID:259) Daniyan, Ilesanmi*; Phuluwa, Humbulani Simon; Daniyan, Lanre; Owosho, Yetunde; Owosho, Shogo; Olaniran, Matthew Abiodun; Li, Yi
	DEVELOPMENT OF A SMART FACE DETECTION SYSTEM FOR ACCESS CONTROL AND DATA LOGGING (ID:260) Alexander, David; Daniyan, Ilesanmi*; Phuluwa, Humbulani Simon; Daniyan, Lanre; Ale, Felix; Daniyan, Ayomide
	A Three-Layer AI Architecture for Renewable-Powered EV Charging in Intermittent-Grid African Cities: Design and a Reproducible Benchmark (ID:262) Are, Abdulrahman*
	Intelligent Business Analytics and Decision Support System Using LLM and RAG (ID:278) Saraswat, Yashi *; Singh, Taniska; Srivastava, Sanchay; Khare, Suyash; Singh, Aishwarya

S2d	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 10:30 - 12:00	**Development of a Hand Gesture-Control Program on a Drone for Automated Topological Mapping Using Photogrammetry (ID:283)** Osho, Oluwatobi Oluwaseni; Daniyan, Ilesanmi*; Daniyan, Lanre O.; Phuluwa, Humbulani Simon; Daniyan, Ayomide; Ale, Felix
	Development of Autonomous Quadcopter Unmanned Aerial Vehicle for Surveillance Operation (ID:287) Okpoko, Ciny; Ayodeji, Sesan Peter; Daniyan, Ilesanmi*; Ale, Felix; Lawal, Augustine; Olasanoye, Olusola Samuel; Phuluwa, Humbulani Simon; Daniyan, Lanre; Adeleke, Jude Adekunle
	An Explainable AI-Driven Fake News Detection Framework Using BERT, Logistic Regression, and Retrieval-Augmented Generation (ID:289) D, Mohankumar ; A, Malarvizhi *; T, Ashik ; A, Aadam Safiuallah
	An Explainable and Cost-Sensitive Framework for Multi-Horizon Fault Severity Prediction in Heavy-Duty Vehicles (ID:292) Sinha, Shreya*; Singh Attri, Tanu; -, Ishita; Kumar Singh, Saksham; Singh, Aishwarya
	A Machine Learning-Based Model for Detecting Prompt Injection Attacks in AI Agents (ID:301) Okoth, Kevin; Okoth, Kevin*; Shibwabo, Bernard
	A Machine Learning-Based Model for Predicting Fraudulent Loan Applications (ID:302) Shibwabo, Bernard*

S2e	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 10:30 - 12:00	**Artificial Intelligence and Molecular Docking Approaches for Assessing the Bioactive Potential of Microalgal Secondary Metabolites: A Bibliometric Analysis (ID:305)** LABED, SAFIA*; TERROUFI, SOUKAINA; BERREBAAN, IMANE; KHALAF, AHMED; EZRARI, SAID; MALEB, ADIL; MOKHTARI, KHALIDA
	A LightGBM and Augmented Reality-Based Model for Rental Housing Price Prediction and Visualisation (ID:309) Mitigoa, Baraka*
	Bridging Probabilistic Occupancy Inference and Dynamic Digital Booking: A Multi-Modal Sensor Fusion Approach to Open-Area Parking Reservations (ID:310) sotor, fatimazahrae*
	Laayoune at the Heart of Africa: Reimagining the City through AI Algorithms and Digital Transformation (ID:311) lakhfaouni, abdelaziz*
	Governing the Twin Transition: AI-Enabled Innovation, ESG Accountability, and the Architecture of Sustainability Transitions in the Digital Age (ID:312) Das, Akhilesh*; Gupta, Ankit; Priyadarshini, Aditi
	Machine Learning-Assisted Analysis of Cracked Axially Functionally Graded Beams (ID:317) TIKONAB, IHSAN*

S2f	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 10:30 - 12:00	**Crowdsourced Speech Corpus Construction for Low-Resource Languages: A Taxonomy and Decoupled Framework for Dialectal and Orthographic Variation (ID:318)** Boudakkou, Safouane*; El Hibaoui, Abdelaaziz
	An AI-Driven Blockchain Framework for Intelligent, Secure, and Resilient Smart Cities: Integrating Urban IoT, Predictive Analytics, and Decentralized Trust (ID:324) Hussein, Naser*
	ChainTrust: Blockchain-Based Certificate Verification Using AI Agents (ID:325) Kaswan, Sourabh*
	Development and Evaluation of an IoT-Enabled Hybrid Biometric Attendance Tracking System (ID:337) Ajewole, Oluwafemi*
	Comparative Evaluation of TF-IDF and BERT for Fake Review Detection (ID:339) Waghmare , Kalyani *; Deshmukh , Sachin
	Lightweight Deep Learning for Image Classification: An Experimental Study Using MobileNetV2 on CIFAR-10 (ID:343) Kashyap, Abhinav*; Rana, Shiney; Devi, Rajni; Arora, Mansi; Mothsra, Anjali; Kumar, Kunal

S3a	**Artificial Intelligence for Smart Cities**
	Chairs :
28 October 10:30 - 12:00	**Digital Inclusion and Educational Equity in African Smart Cities: Socio-Pedagogical Issues of Technology-Mediated Communication (ID:358)** Hassani, Mouna*; Lahiala , Abdelfattah; Alaoui Fennane , Moulay Mâati
	Spatiotemporal Patterns and Machine Learning-Based Prediction of Road Traffic Crash Hotspots in the Amhara Region, Ethiopia (ID:361) Fetene, Abeje*
	Spatio-Temporal Graph Reinforcement Learning for Climate-Resilient Cities (ID:363) Maity, Anidya Sundar; Giacobbe, Maurizio*
	Towards an Open-Data and Algorithmic Administration in Morocco: Challenges of Algorithmic Justice and AI Transparency in Urban Public Services A Structured Literature Review and TIHPS Maturity Assessment in Light of Morocco's Emerging AI Legal Framework (ID:369) EL HAMRI, HANAN*
	Real-Time Anomaly Detection in Critical Embedded Systems using Artificial Intelligence: A Review of Deep Learning and Embedded AI Approaches (ID:373) FATHI, Samia*; Ben Aisa, zakia; Tribak, Hicham
	Generative AI as a Lever for Marketing Personalization in Exporting Firms: An Integrative Literature Review and Conceptual Framework (ID:382) ELBOUBEKRAOUI, Mounia *

S3b	**Artificial Intelligence for Smart Cities** Smart Governance Digital Transformation Territorial Intelligence
	Chairs :
28 October 10:30 - 12:00	**AegisStride : Intelligent Guidance and Tracking Systems (ID:403)** Kumar B, Sunil; Amiya, Gautam; kushtagi, Deepak*; Pradeep, Abhay; S zachariah, Albin; chaudhary, Adarsh
	Smart Foresight in Smart City Planning and Governance: Developing a Conceptual Framework for Long-Term Participatory Decision-Making (ID:191) Soltani, Seyed yasser*; Montazer, Gholamali
	Real-Time Predictive Maintenance for Consumer Laptops: Comparative Classifier Benchmarking and Cross-Hardware Generalization (ID:399) H S, Poornima Gowda*; Desai, Vinod; Reddy, Bondalakunta Yathiswar ; Siju, Halona Ann; K P, Haripriya; S A, Hemanth Hitaishi
	AI in Service of Humanity: Intelligent Agents as Diagnostic, Reporting and Decision-Support Tools for Supply Chain Optimization in ERP Systems under Human Authority (ID:2) ASSANDI, Bilal*
	From Workplace to Territory: A Socio-Ecological Framework for Gender-Inclusive Smart Governance of Morocco's Industrial Cities (ID:5) CHANDAD, Amina*; BENCHEKROUN, Mohamed Amine; ABAKOUY, Mostafa
	Évaluation quantitative de la gouvernance spatiale à l'ère du numérique : Perceptions et impacts du projet Tanger Smart City (ID:8) azeroual, sofia*; BOUGHABA, Abdesselam

S3c	**Digital Transformation** Smart Governance
	Chairs :
28 October 10:30 - 12:00	**Exploring the Digital Transformation of the Management Control Function: A Bibliometric Literature Review (ID:9)** el korchi, chaymae*; BINDGUIGNE , MUSTAPHA ; AKHLAFFOU , Mohamed
	Digital Risk Mapping for Smart Governance: A Data-Driven Steering Framework for Sustainable Public University Management in Morocco (ID:24) BOUNAHR, Imane*; ARAB, Younes
	Implementation of Smart Control and Surveillance Technologies in Grands Sports Activities in Morocco: Challenges, Opportunities, and Ethics (ID:29) Kezzoute, Mhammed*
	From Digital Government to Smart Governance: Assessing the Impact of Digital Transformation on Public Sector Performance in Morocco (ID:49) NAOUFAL, JABER*
	Digitized Public Administration: A response to development challenges in Moroccan desert areas (ID:58) Outman, EL HAROUNI ALAOUI*; Meryem , ELMAOUI ; OMAR, YAAKOUBI; Yassir, EL GUENUNI; Omar, Boubker
	Strategic Hydropower and Maritime Corridors: Leveraging the GERD and Hydro-diplomacy for Regional Water-Energy Security (ID:60) Hailu, Getachew*

S3d	**Smart Governance** Digital Transformation
	Chairs :
28 October 10:30 - 12:00	**Digital Corridors and Maritime Governance: Innovative Leadership for Red Sea Security and Regional Integration (ID:61)** Hailu, Getachew*
	Augmenting Lean Six Sigma with Data Science: A DMAIC-Based Framework for the Digital Transformation of the Food Industry in Emerging Economies (ID:66) Recalde Rivas, Fabrizio N.; Insfrán Rivarola, Andrea; Rossit, Diego*
	ARTIFICIAL INTELLIGENCE AND DEMOCRATIC INEQUALITIES: FROM INFORMATION ASYMMETRIES TO CAPABILITY ASYMMETRIES - A SYSTEMATIC LITERATURE REVIEW (ID:67) AATANY, Merwan*; OUALI, Abderrazak; TARBALOUTI, Essaid; OUKHOUR, Hamza
	Extending Smart Governance Beyond the City: Digital Governance Readiness of Agricultural Cooperatives in the Béni Mellal-Khénifra Region (Morocco) (ID:68) EL ANBARI, Rachid*; EL ADNANI, Mohamed Jallal; LAGHRIBI, Said ; ATIA, Ahmed
	Towards Intelligent Territorial Governance: The Role of Digital Platforms in Citizen Participation - The Case of the City of Casablanca (ID:74) FAREH, MORAD*
	Digital Transformation and Smart Governance in Moroccan Public Administration: Exploring the Mediating Role of Organizational Process Restructuring — A Qualitative Document Analysis — (ID:77) ZOHRI, Kamelia*

S3e	Smart Governance
	Chairs :
28 October 10:30 - 12:00	**Algorithmic Architecture, the Structure of the Political Information Market, and Citizen Emancipation (ID:79)** OUKHOUR, HAMZA*; TARBALOUTI, ESSAID; OUALI, ABDERRAZAK; AATANY, MERWAN
	Smart Governance and Digital Transformation (ID:89) Asmae, TAMSSNAOUI *; ASSELLAM, Lahoucine
	ARTIFICIAL INTELLIGENCE AND DIGITAL TRANSFORMATION FOR SMART PUBLIC GOVERNANCE: A DATA-DRIVEN FRAMEWORK FOR AFRICA (ID:90) Benguir, Kabira*; Amajid, Ghizlane
	Legal Protection of Pharmaceutical Patents between Innovation Incentives and Health Sovereignty: A Moroccan and Comparative Perspective (ID:92) bigeddi, sara*
	Dynamics of Building and Transforming the Legal Meaning of Pharmaceutical Patents in Moroccan Legislation: Towards Smart Governance, Digital Transformation and Resilient Pharmaceutical Sovereignty (ID:93) bigeddi, sara*
	The Intelligent Turn in Moroccan Smart Cities: An Architectural Roadmap for Localized Data Sovereignty and Sustainable Urban Analytics (ID:94) Baidane, Salma*; DAFIR, Amine

S3f	**Smart Governance** Smart Health
	Chairs :
28 October 10:30 - 12:00	**Machine Learning-Based Blackhole Attack Detection in Large-Scale RPL-IoT Networks: A Simulation-Driven Performance Study (ID:411)** Lmkaiti, Mansour*; aattouri, imad; ENNACIRI , ANSAM; Didi, Zaidan; El Khamlichi, Sokaina; Moudni, Houda; Mouncif, Hicham
	Digital Transformation and Data-Driven Decision-Making: Interoperability and Data at the Service of Public Governance (ID:95) Elazami, Mounia*
	The Intelligent Turn in African Governance: An Integrated Framework for AI-Enabled, Citizen-Centric Public Services in Smart Cities (ID:108) JOHNMARK, KABANGO*; BHALLA, RAJIV; DHAR, SUSHMITA
	Artificial Intelligence for Integrated Smart City Governance: Linking Human Capital and Urban Resource Management (ID:1) ELMENZHI, Zenab*; El uahhabi, Zakia ; Ajbal, Khaoula; Et-taibi, Bouali ; Aammou, Souhaib
	Perceived Experiential Quality as a Strategic Lever for Smart Tourism Destinations: The Case of Greater Agadir (ID:135) Badri, Ikram*
	Prospective acceptability of digital solutions for sexual and reproductive health information and service navigation among sub-Saharan African migrant women in Morocco's Oriental region (ID:153) YACOUBI, Abdelkader*; Kodad, Mohcine ; Lafraxo, Mohammed Amine ; Abda, Naima ; Haddiya, Intissar; Assarag, Bouchra

S4a	**Territorial Intelligence** Digital Transformation
	Chairs :
28 October 12:00 - 13:30	**Employment Creation in Morocco under the Green Morocco Plan and the Industrial Acceleration Plan: The Role of Territorial Intelligence and Institutional Capacity (ID:143)** Belarbi, Fatima Zahra*; Ayass, Hamza
	Digital Entrepreneurship and Local Development: An Exploratory Analysis of the Entrepreneurial Ecosystem in the Souss-Massa Region (ID:146) MOUKRIM, Wiam*; OULMOUDNE, Aaziz; BADRI, Ikram
	INTELLIGENT GOVERNANCE AND DIGITAL TECHNOLOGY ADOPTION BY TOURISM SMES: POWER DYNAMICS, ORGANIZATIONAL PERFORMANCE AND SUSTAINABILITY IN EMERGING ECONOMIES (ID:149) KADID, CHAIMA*
	Cybersecurity Challenges in Morocco's Digital Public Administration: Perspectives from Public Sector Stakeholders (ID:150) LOULIDI MAFHOUM, IMANE*; BOUADDI, MOHAMED; RIZKI, SANAA; MEKDAD, SANAA; DAOUD, MILOUD
	Digital Transformation of Human Resource Management and Perceived Citizen Satisfaction in Moroccan Public Administrations: An Exploratory Qualitative Study (ID:151) Bouaddi, Mohamed*; Loulidi Mafhoum, Imane; Rizki, Sanaa; Mekdad, Sanaa; Beddaa, Mohammed
	Digital Transformation as a Governance Mechanism for Sustainable Agri-Food Supply Chains: A Qualitative Study in Morocco's Souss-Massa Region (ID:160) terrah, imad*; KADA, Amina; Elliasmine, Youssef

S4b	**Digital Transformation** Smart Governance
	Chairs :
28 October 12:00 - 13:30	**ERP-Enabling Smart City Development in Africa: An In-tegrative Review of Digitalization, Governance and Urban Performance (ID:163)** BROUKSY, Asmae*; Kobiyh, Miloudi
	Towards a More Equitable VAT in Morocco: Microsimulating Reform Scenarios under Equity and Revenue Constraints for Inclusive Smart Fiscal Governance (ID:178) Norch, Fatima zahra*; Elatife, El Houssain
	Trustworthy Autonomous AI Agents: A Systematic Review of Identity, Delegation, Access Control, and Runtime Governance (ID:184) Olu, Ekele*
	e-Government Service Quality, Citizen Satisfaction, and Citizenship Behavior A Literature Review (ID:189) yaakoubi, omar*; el Guenuni, Yassir ; El Harouni Alaoui, Outman ; Boubker, Omar
	Scenario-Based Urban Planning for Smart and Sustainable Cities: Lessons from Singapore and China for Morocco (ID:210) RACHIDI, Amina*
	Advanced regionalization and smart governance: what role for a composite ESG index in Moroccan territorial steering? (ID:216) Djafar, Aya*; OUDGOU, Mohamed; BOUDHAR, Abdeslam

S4c	**Smart Governance** Digital Transformation
	Chairs :
28 October 12:00 - 13:30	**SHIELD: A Sovereignty-Aware Federated AI Architecture for Privacy-Enhanced Cross-Border Security Intelligence in African Smart Border Cities (ID:218)** Mustapha, Haruna*; Mehedi, Ibrahim
	Artificial Intelligence and the Transformation of Management Control: A Conceptual Framework (ID:223) GUESSOUS, HIBA*
	Rethinking Corporate Resilience: Digital Business Models and the Trajectories of Organizational Failure (ID:229) CHERKAOUI, Nouhaila*; ROUAJI, Rabeaa; NOKAIRI, Wafia
	Digital Transformation of Justice Systems and Smart Governance : Global Perspectives and Lessons for African Smart Cities (ID:235) ROUAJI, Rabeaa*; CHAKIR, Boutaina; NOKAIRI, Wafia; BOUTALEB, Fatima
	A Context-Aware AI Governance Maturity Model for Responsible Digital Transformation in African Public-Sector Institutions (ID:236) SOLADOYE, ABDULRASHEED*; Misbahu, Fareedah; Quadri, Naheem; NGUR, JESSE MSUGHTER; Nwaka, Augustine Azuka; Joachim, Bobby; Oyerinde, Olaide; Anietie, Aniekan W. ; Ajibade, Praise Titus; Folaranmi, Olaniyi; Oyelakin, Timilehin Valentina; Adegbuyi, Oluwakayode; ADANLAWO, GOODLUCK DANIEL; Okafor, Onyinyechi Uchenna; Bello, Jamiu Babatunde; Ajabiara, Damilola; Victor, Kalu; Onyilo, Joseph ; Ari-Egoro, Emmanuel; Esan, Joshua; AIYEGBUSI, TEMITOPE AYOKUNLE; Aliu, Oghenetega; Oladimeji, Temitayo Emmanuel; Akerele, Aishat; Benson, Nelen Ansselem ; Okpara, Faustina Joy; Ezerioha, Somtochukwu Emmanuel ; Okoh, Emmanuel ; Ezeugwu, Peter Ejike; Obarhoro, Sarah Oghenenyerovwo; Akunne, Precious Chiemerie; MUVUKOR, Adoniram Ufuoma; Olaiya, Temitayo; Nwagbo, Bruno
	Smart Hospital Logistics: A Theoretical Analog Framework (ID:244) BEN KHIZZOU, Nouhaila*; Madani alaoui, Niama; bouizgar, meryem; bouhtati, naoual; alla, lhoussaine

S4d	**Smart Governance** Digital Transformation
	Chairs :
28 October 12:00 - 13:30	**Digital Inclusion as Political Process: Co-Constructing Smart Governance for Territorial Equity in Fez-Meknes, Morocco (ID:268)** El Jaafari, Yassine; Menouni, Aziza; El Khattabi, El Mehdi; Boussetta, Mohamed; Marzouk, Abdelkrim; El Jaafari, Samir*
	Data Governance and Security in IoT Environments: Towards a Redefinition of the Internal Audit Role (ID:270) Kamary, Nissrine; Benamar, khadija*
	Context Aware Sarcasm and irony detection using DEBERTA-v3 (ID:273) Singh, Ayushmaan*; Chauhan, Anushka ; Jain, Chayanshi ; Rathi, Anushka; Bhardwaj, Yashi
	ADAPTIVE HIERARCHICAL DOCUMENT FINGERPRINTING FOR BLOCKCHAIN-ENABLED E-GOVERNANCE DOCUMENT VERIFICATION AND TAMPER LOCALIZATION (ID:281) S, Devarajsamy ; K S, Abijai Sree *; B, Ashokkumar; R, Kailash
	A Smart Interface for Governing the City-Port Boundary (ID:286) SAADAOUI, MAROUANE*; Abdelmonaim, Tlidi; Jamal, Zbitou
	Health Data Platforms and the Governance of Universal Health Coverage (UHC): The Case of the Casablanca-Settat Region (ID:294) ZOUHAIR, Said*; HAMDI, Fekkak; EL ANBARI, Rachid

S4e	**Smart Governance** Community Engagement Digital Transformation
	Chairs :
28 October 12:00 - 13:30	**Assessing the Maturity of Performance Management in Moroccan Local Governments: Determining Factors and Transition Dynamics (ID:316)** CHAIBI, Badr*
	FROM STREET MUSIC TO SMART CITIES: Urban Transformation, Tourism and Digital Visibility in Por Detrás da Moeda (ID:329) Costa Valente, António*
	Employee Share Ownership and Governance in the Banking Sector in the Era of Digital Transformation: What Impact on Performance? (ID:340) IKHMIM, MAROINE*; ELOUADI, Sara
	Digital transformation of industrial firms: The strategic role of internal audit and management control in fostering innovation and operational excellence (ID:344) EL ALITI, Marouane*; TAOUAB, Omar
	Communicating the Sustainable City in the Digital Age: Responsible Mediation and Narrative Construction of Territorial Engagement. The Case of the Municipality of Casablanca (ID:357) DOUDAR CRISTINI, WAFAA*; HACHIMI, MERIEM
	Digital Detox Tourism and Smart Destinations: Understanding Consumer Motivations for Human-Centred Tourism Innovation (ID:359) Pismennaya, Irina*

S4f	**Smart Governance** Digital Transformation Community Engagement
	Chairs :
28 October 12:00 - 13:30	**What an Edge Firewall Sees in One Week: A Log-Based Exposure Study of a University Network (ID:409)** ALAOUI HAROUNI, Moulay Hachem*
	Chatbots and the Digital Transformation of Education in Africa (ID:366) baaj, kaoutar*; Bouchanine, Oumayma ; Lahiala, Mohamed Amine ; abdelfettah , lahiala
	From Information to Participation: Digital Public Communication of Urban Projects Linked to the 2030 World Cup in Morocco (ID:370) Bouchanine, Oumayma*; Baaj, Kaoutar; Lahiala, Abdelfattah
	Teaching Programming to Young Children: A Systematic Review of Effective Pedagogical Approaches (ID:383) KOULOU, Aicha ; EL OUADDANE , Kaouthar *; NABTI , Walid ; ELMORABIT, Nadir ; ELHARS, Fouad ; CHEKOUR , Mohammed
	Interactive simulation and mobile learning in physics: (ID:386) KHIARI, Meryam*
	Unsupervised Identification of Clinical and Tumor Phenotypes in Moroccan Patients with Colorectal Cancer and Analysis of Their Prognostic Profiles (ID:397) Samnane, Ibtissam*; Ed-daoudi, Rachid ; El Haloui, M'barek ; Ettaki, Badia

S5a	Digital Economy, Innovation and Smart Entrepreneurship
	Chairs :
28 October 15:00 - 16:30	**Vers un modèle de formation entrepreneuriale intelligente (Smart Entrepreneurship Education) pour renforcer la transformation digitale des organisations de l'économie sociale et solidaire : Analyse conceptuelle et perspectives pour les territoires intelligents (ID:4)** A, AKOUZ*
	FINTECH INTEGRATION AND FINANCIAL INCLUSION AMONG MICRO-ENTREPRENEURS IN NEKEMTE CITY: ASSESSING THE ROLE OF DIGITAL CREDIT IN A LIBERALIZING ECONOMY (ID:10) Abara, Gudata*
	Market Timing and Financing Constraints in Commodity-Dependent Economies: A WACC and SROI Analysis of Zangezur Copper Molybdenum Combine (ZCMC) (ID:19) Grigoryan, Ani*
	Vers un modèle de formation entrepreneuriale intelligente (Smart Entrepreneurship Education) pour renforcer la transformation digitale des organisations de l'économie sociale et solidaire (ID:44) A, AKOUZ*
	Determinants of Digital Start-up Growth in Morocco: Interactions Between Founders' Resources and the Institutional Environment Within a Digital Entrepreneurial Ecosystem (ID:51) Hmaichat, Said*; Hanif, Salwa; Sahib Eddine, Abdelhak
	Computational Intelligence Approach to Corporate Financial Resilience: Evidence from Big Tech Companies (ID:80) Grigoryan, Ani*

S5b	Digital Economy, Innovation and Smart Entrepreneurship
	Chairs :
28 October 15:00 - 16:30	**The Environmental Intelligence Paradox: Rethinking Economic Performance under Climate and Digital Risks (ID:81)** EL AIDI, ABIR*; TARBALOUTI, ESSAID; AIT ELHALOUI, LEILA
	Digital Technology, Corporate Sustainability, and the Overall Sustainability of the Economy (ID:82) AIT ELHALOUI, LEILA*; TARBALOUTI, Essaid; EL AIDI, Abir
	Tokenization and value creation: a maturity-based framework for enforceability and liquidity (ID:84) mellahi, ouafae*
	How Artificial Intelligence and Connected Devices Can Improve Financial Access for Women Entrepreneurs (ID:96) SABER, Ahmed*; Boumhamdi, Mounir ; Ikira, Marouane; Azizi , Yamna
	Sustainable Finance and Green Technological Adaptation of Moroccan Firms (ID:98) Belmekki, Douaa*; Boumhamdi, Mounir ; Ikra, Marouane; Moulad, Lamyaa; Echaki, Basma
	Women's Ownership, Digitalization and Intelligent Firm Performance: Evidence from Moroccan Manufacturing Firms (ID:99) Echaki, Basma*; BOUMHAMDI, Mounir; IKIRA, Marouane; Ez-zegraoui , Wijdane; Azizi, Yamna

S5c	**Digital Economy, Innovation and Smart Entrepreneurship**
	Chairs :
28 October 15:00 - 16:30	**Intelligent Decision Support in Economics Using Graph Theory and Artificial Intelligence: A Comprehensive Literature Review (ID:127)** BAHASSOU, Abdessamad*; Ziti, Soumia
	Assessing the Digital Transformation of Startups via E-Commerce Programs: A Bibliometric Review (ID:128) okacha, Sanae*
	Generative AI as a Lever for Marketing Personalization in Exporting Firms: An Integrative Literature Review (ID:144) ELBOUBEKRAOUI, Mounia *; Mustapha Jaad
	Digital environmental integration for smart urban sustainability: the case of Fez, Morocco (ID:152) EL BROUMI, SOUFIANE*; assaad idrissi, maha; Eddahmouny, Hicham
	Intellectual capital in the service sector in Morocco: determinants and organizational practices. (ID:177) BENNIS, Ghita*; RAHIM, Zineb; Elamraoui, Hanane; Bellari, Mounir
	Fostering Social Innovation through Blockchain: Opportunities and Challenges for Social Enterprises (ID:179) Zoubaa, Najlae*; Hanida, Souad; AIBOUD BENCHEKROUN, Bouchra ; Debbagh, Issam

S5d	**Digital Economy, Innovation and Smart Entrepreneurship** Cyber Security for Smart Cities
	Chairs :
28 October 15:00 - 16:30	**Digital financial inclusion in Smart cities: Lessons from global experiences for African contexts – A systematic literature review (ID:198)** Chakir, Boutaina*; Rouaji, Rabeaa; Boutaleb, Fatima; Nokairi, Wafia
	Generative AI and Entrepreneurial Learning: A Biblio-metric Mapping and Directions for a Processual Research Agenda (ID:206) hashas, samya*
	Soft skills as catalysts for digital entrepreneurship: a literature review (ID:211) REGHAI, Yassmina ; EL FARRI, Samira*
	Exploring Smart City Financing in Morocco: Challenges and Opportunities (ID:221) Arzou, Nabil*; Kobiyh, Miloudi
	What Production Logs Reveal About Two University Web Platforms: Error Amplification, Log Bloat and Personal Data in Plain Text (ID:408) ALAOUI HAROUNI, Moulay Hachem*
	From Business Incubators to Territorial Entrepreneurial Ecosystems: Rethinking Incubation Strategies in the Era of Digital Transformation in Morocco (ID:245) SBAI, Taha Omar*; FERHANE, Driss

S5e	Digital Economy, Innovation and Smart Entrepreneurship
	Chairs :
28 October 15:00 - 16:30	**APPLICATION OF ARTIFICIAL INTELLIGENCE IN FINANCIAL TECHNOLOGY: A CONCEPTUAL FRAMEWORK (ID:263)** Akinbowale, Oluwatoyin*; Zerihun, Mulatu Fekadu; Mashigo, Polly; Daniyan, Olalekan Victor
	Control variate-based variance reduction methods for basket options pricing (ID:299) Zejly, Mouad*; LAMARTI SEFIAN, Mohammed; LAMNII, Abdellah
	AI-Powered Tax Fraud Detection System (ID:332) SAVANT, ALISHA*; C Bhaganagare, Dr. Ravishankar; Phadatare, Veena; Deore, Pratik; Patil, Dipanshu; Kottawar, Saumya
	A Gender-Based Analysis of the Determinants of Risk-Taking Among Entrepreneurs in Morocco: Challenges and Opportunities (ID:335) CHAINANE, Amina*
	Time Perspective and Strategic Risk-Taking: Evidence from Moroccan Executives (ID:345) Hanine, Meriem*
	Quant-Agent: Multi-AI Agent System for Stock Market Analysis (ID:365) MAYEKAR, ADITYA*; Sangade, Rutuja

S5f	**Digital Economy, Innovation and Smart Entrepreneurship** Smart Education
	Chairs :
28 October 15:00 - 16:30	**Digital economy and international taxation : the challenge of nexus (ID:401)** MOUHDA, Ismail*; Adrdour, Mohamed
	Risk–Value Targeting for Customer Retention: Combining Churn Prediction and Customer Lifetime Value Estimation with an ROI-Based Allocation Rule (ID:404) baqqass, sanae; EL KHAMLICHI, Sokaina*; Terech, El Mehdi ; Bensaoud, Imade ; Amar, Amine
	Digital Transformation of Higher Education Interactive Assignments in Practical Classes (ID:18) Grigoryan, Ani*
	Towards Personalized, Multimodal, and Inclusive Professional Learning Pathways for Teachers and Trainers: A PRISMA Systematic Review (2021–2026) (ID:22) ADNANE, BAAZIZI*; Mohammed-Alamine, EL HOUSSAINI ; SOUAD, EL HOUSSAINI; NABOU, Abdellah; HADIR, Abdelali
	Intelligent System for Cheating Detection in Online Exams (ID:26) Asclou, Youssef*
	Generative Artificial Intelligence as a Mediator of Educational Communication: Towards Smart Universities in the Smart City Ecosystem (ID:32) SALHI, NABILA*

S6a	**Smart Education** Digital Inclusion
	Chairs :
28 October 16:30 - 18:00	**Continuities and Discontinuities in Digital, Ecological, and Societal Literacy Practices Across School, University, and Social Contexts for Smart Cities (ID:33)** noua, aya*; El houdna, youssef
	Smart Universities as Innovation Hubs for Sustainable Smart City Development in Africa: A Conceptual Framework (ID:39) Zaaimi, Jaouad*
	MEDINA: Running a City's Skills the Way Smart Grids Run Its Energy (ID:65) ZNIDFI, FAICAL*; jeghal, adil; LAAOUINA, LOUBNA
	The effect of the generative artificial intelligence-assisted inquiry approach on learners' learning (ID:75) Gourid, Radouan*; Hassouni, Taoufik; Al Ibrahmi, Elmehdi
	Artificial Intelligence and the Paradox of Declining Autonomy among Higher Education Students: A Systematic and Bibliometric Literature Review (ID:107) alaamri, Nahid*; TARBALOUTI, Essaid
	Bridging Granular Computing and Educational Data Mining: A GBSVM Approach to Student Dropout (ID:115) Aafar, Najoua*

S6b	Smart Education
	Chairs :
28 October 16:30 - 18:00	**Exploring the Impact of Guided Pedagogical GenAI Integration on Learning in Moroccan Middle School Life and Earth Sciences: A Pilot Quasi-Experimental Study (ID:132)** CHEDDADI , Kaoutar*; Zekeik, Hajar; Yaqine, Kawtar; Souilah, Youssef
	Early, Explainable, and Robust Prediction of At-Risk Students in Online Learning Environments: A Temporal Framework Validated on OULAD (ID:133) LAFDOUL, SALIM*; Baadou, Sana; Bendahmane, Ahmed
	A Methodological Framework for Annotating Learning Management System Activities According to Soft Skills (ID:136) BAADOU, SANA*; Lafdoul, Salim; Bendahmane, Ahmed
	Bridging Theory and Practice in Engineering Education: A Systematic Approach to Generating Validated Virtual Case Studies via LLMs (ID:140) Riaji, Tarek*; Hassani, Abdelhadi; Alaoui, Abderrahmane; El Hassani, Sanae
	DIGITAL LEARNING MOTIVATION IN A TRANSFORMING HIGHER EDUCATION CONTEXT: EVIDENCE FROM BUSINESS ADMINISTRATION STUDENTS IN VIETNAM (ID:155) Nguyen, Hung Cuong; Nguyen, Hong-Van*; Ngo, Thi Bich Thao; Dang, Thi Hoai Diem
	A Deployment-Oriented TinyML Curriculum for Sustainable Analysis: Framework, Assessment Logic, and an Illustrative Feasibility Case Study (ID:157) Al Juboori, HAIDER*

S6c	**Smart Education** Smart Governance
	Chairs :
28 October 16:30 - 18:00	**AID-Net: AI-Assisted Learning or AI Dependency? An Intelligent Decision System for Analyzing Student Behavior and Academic Performance in Smart Educational Systems (ID:161)** BENELRHALI, Azeddine*; Berrada, Khalid
	Bridging the Principles-to-Practice Gap in Industry X.0: A Systematic Review and Ethical Culture Mediation Model (ID:212) Belkadi, Ayoub*; Bachiri , Mustapha
	Digital Skills and Graduate Employability in Smart Societies: A Literature Review (ID:243) Gallouli, Fatimatou*; SAYYAD, REDOUANE
	Determinants of the Adoption of Artificial Intelligence-Based Chatbots in Moroccan Higher Education: A Structural Equation Modeling Approach (PLS-SEM) (ID:274) Chafik, Hajar; El Ganbour, Rachid; Kodad, Mohcine*
	Beyond Phantom Autonomy: Auditing the 30% Innovation Window in Nigerian University Curricula Using Design Science Research (ID:282) Aitan, Teddy*
	Digital Inclusion in Smart Education: Challenges and Opportunities for Students with Disabilities (ID:217) Chauhan, Palak*

S6d	**Smart Education**
	Chairs :
28 October 16:30 - 18:00	**Artificial Intelligence Literacy in Higher Education: Toward an Integrated Framework for Competence, Institutional Support, and Digital Inclusion (ID:342)** FEKKAK, AZZEDDINE*
	MOOCs, E-Portfolios, and LLMs: A Techno-Pedagogical Framework for Authentic Open Knowledge Creation in Teacher Development (ID:346) AMGARNI, HOUDA*; Nejjari, Amel; Khaldi, Mohamed
	Building a MOOC-Ready Course, E-Portfolio, and LLM Workspace in Moroccan Initial Teacher Education: A Training Protocol and Documentary Tool Benchmark (ID:347) AMGARNI, HOUDA*; Nejjari, Amel ; Khaldi, Mohamed
	Institutional LMS vs. WhatsApp: Where Does Pedagogical Communication Actually Happen? A Systematic Review Protocol with a Focus on Moroccan and African Higher Education (ID:351) Haouali, Douae*; Razkaoui, Yassin
	The Benefits of Implementing Computational Thinking and Robotics in STEM Education (ID:368) EL KOUAY, zouhair*; CHEKOUR, Mohammed; ELKOUAY , Elmehdi; BEN ABDEL OUAHAB , Ikram
	AI adaptive learning :reshaping the education environment (ID:380) Nouhayla , Hami*

S6e	**Smart Education** Smart Health
	Chairs :
28 October 16:30 - 18:00	**synergies for innovative pedagogy (ID:385)** KHIARI, Meryam*
	Impact of Pre-Service Training in Science Didactics on Professional Development and Pedagogical Innovation of Physics Teachers: A Systematic Review (ID:387) NABTI, Walid*; Elazzouzi, Nabila; EL OUADDANE , Kaouthar; Benmoumen, Haidar ; CHEKOUR, Mohammed
	Auditable AI for Equitable Health-Resource Allocation in Data-Scarce Regional Governance : A Classical versus Unsupervised Composite Need Index for the Casablanca-Settat Region, Morocco (ID:36) AJBAL, Khaoula*; ELMENZHI, Zenab; ELUAHHABI, Zakia
	Global Research Trends in Skin Lesion Analysis Using Deep Learning: A Comprehensive Bibliometric Study (ID:42) loulid, zakaria*; issouani, Fouad; maafiri, ayyad; ziti, soumia
	Building a Digital Health Ecosystem for Smart Public Health Services: A Conceptual Perspective on Morocco's Health System Reform (ID:54) imad, haouf*
	Real-Time Inflammation Detection Using Deep Learning and Continuous Vital Signs (ID:55) EL JANNAN, Saida*; ELJANNAN, Saida

S6f	Smart Health
	Chairs :
28 October 16:30 - 18:00	**Multimodal Emotional Trajectory Forecasting for Anticipatory Engagement Support in Children with Autism Spectrum Disorder (ID:124)** EL AYAT, Nisrine*; LEBBADI, Yasmine; Ouazri, Chaimae
	Bibliometric Mapping of Smart Assistance Technologies for Informal Caregivers of People with Disabilities in Africa and the MENA Region (ID:129) Hajjaji, Wissam; Essadki, Samia*; El Oumri , Ahmed Amine
	Charting the Digital Transition of Cochlear Implants: A Bibliometric Study (2000-2024) with Implications for Smart City Healthcare in Africa (ID:138) Erefai, Ouassima*; Lafraxo, Mohammed Amine; Kharti, Kaoutar; Sennani, Sara; Benabou, Nada; Fares, Rachid; Hami, Hinde
	Artificial intelligence applied to multiparametric MRI in the diagnosis of prostate cancer: a narrative review and perspectives for African health systems (ID:148) sennani, sara*
	Machine-Learning-Assisted Multi-Objective Optimization of Lightweight Ti-6Al-4V Lattice Structures for Bone Implants (ID:165) EL BOUCHEHATI, Imane*; FAKRI, Nadia
	ThermoRNA-AE: An LSTM Autoencoder Framework for Conditional RNA Sequence Generation in Single-Gene Disorder Therapy (ID:166) Chavan, Srushti*; Gosik, Shrisha; Hange, Sham; Hande, Shekhar; Damkondwar, Devang; Bhawarthi, Amruta

S7a	**Smart Health**
	Chairs :
28 October 18:00 - 19:30	**MediTrace: A Full-Stack Digital Healthcare Platform Connecting Patients, Doctors, and Pharmacies With Symptom-Based Self-Triage And Electronic Prescriptions (ID:194)** Gandhi, Vedant*; Patil, Sneha; Gupta, Vivek; Wadkar, Krishna; Wankhede, Nikhil; Patil, Vedant
	AI-Enabled Oral Healthcare in African Smart Cities: A Conceptual Framework for Sustainable Digital Public Health Services (ID:208) Amrani alaoui, Yassine*; Ahd, Zaghba; Hicham, Soualhi
	From Self-Supervised EEG Representations to Sensitivity-Oriented Triage: A Self-Contained Hybrid Classifier Benchmark and Operating-Point Analysis (ID:230) Elbernoussi, Yasmina*
	Capacity Cliffs and Telemetry Requirements in City-Scale Medical Oxygen Supply (ID:265) Fourkane, Imane*; BENHADOU, SIHAM; EL MOUFID, MOHAMED; MEDROMI, HICHAM
	An Intelligent Low-Latency Dual-Trained AI Framework for Privacy-Preserving Pre-Surgical Decision Support (ID:277) M, Karthik; V, Gayatri; K, Janani; S S, GokulPrasad*
	Digitalization of Tax Administration and Its Impact on Public (ID:288) EL HAJEL, yousra*

S7b	**Smart Health** Artificial Intelligence for Smart Cities
	Chairs :
28 October 18:00 - 19:30	**Toward Explainable Digital Decision Support in Precision Oncology: A Perspective on Combining Molecular Modeling and AI for Smart Health Systems (ID:295)** HASSANI IDRISSI, Hind*; BENSALEK, Rihab; Akhouayri, Omar; Benazzouz, Bouchra; HABBANE, Mouna
	Machine Learning for Predicting Cancer Risk Associated with Pes-ticide Exposure: A Bibliometric Analysis (ID:304) BERRAABAN , Imane *; TERROUFI, Soukaina; KHALAF, Ahmed; Labed, Safia; EL YANDOUZI, imane; kariouh, Hafida; EZRARI, Said
	AI Adoption by Family SMEs: A Conceptual Framework for Smart and Sustainable Urban Ecosystems. (ID:130) EL HAIL, Chifae*; EL HAIL, Wissal
	HIV and Sexually Transmitted Infections in the Era of Digital Technologies: A Bibliometric Analysis of Scientific Trends and Conceptual Structure (ID:328) El jihaoui, Mohamed Abdelhamid; LAFRAXO, Mohammed Amine*; Soulaymani, Abdelmajid; Hami, Hinde
	Mapping Molecular Docking Research in Plant-Derived Antifungal Discovery: A Bibliometric and Thematic Analysis (ID:333) KARIOUH, Hafida*
	Digital Health Literacy among Moroccan Families: Level and Associated Factors (ID:355) Arechkik, Abderrahman*; Moussadak, Nadia

S7c	**Smart Health** Smart Electrical / Electronic devices, Microelectronic design Sensing and Smart Products for Energy Smart Energy
	Chairs :
28 October 18:00 - 19:30	**Use of Technology on the Management of Tuberculosis Patient Data at the Center for the Diagnosis and Treatment of Respiratory Diseases in Dakhla (ID:381)** haisoufi, driss*
	DermalAI: A Full-Stack Digital Dermatology Architecture Combining Fine-Tuned CNN Lesion Classification with Environmental and Geospatial Context (ID:394) Patil, Vedika*; Mandhare, Supriya; Pawale, Vedant; Patil, Vedant; Patil, Yashwant
	Multimodal Generative AI for Drug Discovery: Inte-grating Molecules, Targets, and Biological Context (ID:405) TAIDI, Loubna; EL KHAMLICHI, Sokaina*; ENNACIRI, Ansam ; LMKAITI, Mansour ; didi, Zaidan
	ESP32-CAM-Based Celestial Body Tracking System Using Image-Processed Proportional Servo Control (ID:256) Chaudhari, Soham*; Singh, Chand; Chabharkar, Sanket; Kulkarni, Chaitanya; Chakurkar, Piyush; Patil, Uma
	Design of High-Performance Eco-Friendly Nanocomposites via Molecular Simulation (ID:15) EL BOUCHEHATI, Imane*
	Ethiopia's Energy Paradox: E-Mobility Adoption Intention In The Path of Fuel Dependence to Smart Energy Independence (ID:28) Getie, Gubay*

S7d	**Smart Energy** Smart Electrical / Electronic devices, Microelectronic design
	Chairs :
28 October 18:00 - 19:30	**Smart Governance of Renewable Energy in African Cities: Digital Technologies for a Sustainable Energy Transition (ID:41)** lamsaf, marzouqa*; liouaeddine, mariem
	A Comprehensive Review of Communication Technologies in Home Automation (ID:43) Layla, EZZINE*
	ENERGY TRANSITION AND SUSTAINABLE DEVELOPMENT IN MOROCCO: AN ECONOMETRIC ANALYSIS USING THE ARDL APPROACH (ID:50) Berrabeh, Hafsa*
	Energy Transition, Geopolitical Risks, and Stock Market Vulnerability in Africa (ID:56) AYASS, HAMZA*; ZOUIRI, HASSANE
	Determinants of energy demand in Morocco: A quantitative analysis (ID:57) ARBIA, ANASS*
	Economic Efficiency of Smart Sports Infrastructure in Sustainable Cities: A Bibliometric Mapping and Structured Literature Review (ID:63) SALKI, Ayman*; OUALI, Abderrazak; TARBALOUTI, Essaid

S7e	**Sensing and Smart Products for Energy** Smart Energy Smart Electrical / Electronic devices, Microelectronic design
	Chairs :
28 October 18:00 - 19:30	**Smart Energy and Sustainable Infrastructure: An insight from Wind Energy Technology (ID:106)** Alasi, Kamorudeen*
	Unsupervised Cross-Technology Fault Detection in Co-Located Photovoltaic Systems Using Real-World Measurements (ID:162) Sadik, Youssef*; Nejmi, Ali; Oumiguil, Lahoucine; Baite, Mohamed; Chtaitif, Issam
	Energy Consumption Patterns in Commercial Buildings: A Comparative Systematic Review of Nigeria and Ghana (ID:188) Akomolede, Oluwatosin*; Ajijola, Saudat; Akinniyi, Akinyemi
	Arduino-Based Design of a Robotic Manipulator for Pick-and-Place Operations (ID:219) Murkute, Sumedha*; Shinde, Srushti; Summanwar, Omkar; Kadam, Sushant; Sutar, Prachi; Patil, Uma
	Improved YOLO26n for Dense Rosa damascena Counting on Edge Devices (ID:231) Ohamouddou, Mohamed*; Essalami, Asmae; ohamouddou, Said; Elafia, Abdellatif; Lasri, Rafik; Boulaich, Mohamed Hamza
	An Adaptive Neuro-Fuzzy Inference System Approach for Total Power Output Prediction in a Hybrid Solar Wind Energy System (ID:238) Olofinbiyi, Oluwagbemileke David; Babalola, David Temiloluwa; Edili, Ogbaje Michael; Phuluwa, Humbulani Simon; Daniyan, Ayomide; Abolarin, Oluwajmiloju ; Daniyan, Ilesanmi Afolabi Daniyan*; Daniyan, Lanre

S7f	**Smart Energy** Integrated circuits and Embedded Technologies Smart Electrical / Electronic devices, Microelectronic design
	Chairs :
28 October 18:00 - 19:30	**Biogas Production: A Novel Design and Implementation (ID:240)** Adaramola, Bernard; Daniyan, Ilesanmi*; Oni, Taiwo Oluwasesan; Kayode, Joseph Friday; Phuluwa, Humbulani Simon; Daniyan, Ayomide
	Development of Artificial Intelligence and Internet of Things Based Smart Metering System for Remote Power Theft Detection and Energy Management (ID:241) Adetiba, Gbenga; Igunu, Gbenga; Lawani, James; Ojerinde, Akinremi Idowu ; Daniyan, Ilesanmi*; Phuluwa, Humbulani Simon; Daniyan, Lanre
	A Full-Stack Predictive Maintenance Dashboard with Edge-Based Multi-Sensor Inference (ID:258) Azeta, Joseph; Omeche, Theodore; Abiola, Johnson Opeyemi; Daniyan, Ayomide; Phuluwa, Humbulani Simon; Daniyan, Lanre; Daniyan, Ilesanmi*
	Modelling and Simulation of Protection Relay Coordination in a Medium Voltage Industrial Power System (ID:290) Bokowe , Ejaieta Solomon; Daniyan, Ilesanmi*; Daniyan, Lanre; Phuluwa, Humbulani Simon; Daniyan, Ayomide; Ale, Felix
	A Blockchain-Enabled Cybersecurity Framework for Privacy-Preserving and Ethical Data Management (ID:323) Hussein, Naser*
	A Simulation-Based Economic Digital Twin of the Jorf Hydrogen Project Value Chain (ID:336) IKHMIM, Jihane*; HDA, Mounia

S8a	**Integrated circuits and Embedded Technologies** Smart Electrical / Electronic devices, Microelectronic design Smart Energy Internet of Things networking and communication
	Chairs :
29 October 09:00 - 10:30	**DermalAI: A Full-Stack 360° Digital Dermatology Architecture Leveraging Fine-Tuned Convolutional Neural Networks and Real-Time Environmental Context Enrichment (ID:338)** Patil, Vedika*; Mandhare, Supriya; Pawale, Vedant; Patil, Vedant; Patil, Yashwant
	RF SIGNAL ENHANCEMENT FOR MARITIME VHF COMMUNICATIONS: A REVIEW OF CONVENTIONAL SIGNAL PROCESSING AND ARTIFICIAL INTELLIGENCE TECHNIQUES (ID:372) Benaisa, Zakia*; Fathi, Samia ; Tribak, Hicham
	Modeling and assessment of PV-TEG and PV-PCM-TEG systems under varying conditions and parameters (ID:379) AMALLAL, FATIMA*; BELKASSMI, youssef; GOUNZARI, mohamed; KOTRI, abdelhadi; SAHAL, mustapha
	Decarbonizing Transport in Tunisia: The Roles of Logistics Performance, ESG Sustainability, and Technological Innovation through a Wavelet-based Analysis (ID:395) Ouni, Manel*; ouni, fedy
	Design and Implementation of a Latency-Optimized, Standalone Emergency Response System Using GSM-Based Geolocation (ID:27) Zode, Bhushan*; Kahate, Aryan; Ramteke, Aniket; Wasnik, Aniket; Kumar, Chandan; Akant, Soham; Yadav, Jagdish
	Trust and Privacy in Smart City IoT and Data Infrastructures: A Comparative Analysis (ID:111) wahabi, zakia*; Ajbal, khaoula; elmenzhi, zenab

S8b	**Internet of Things networking and communication**
	Chairs :
29 October 09:00 - 10:30	**A Three-Tier Digital Twin Architecture for IoMT-Driven Healthcare Coordination (ID:112)** ESSALAMI, ASMAE*; Ohamouddou, Mohamed ; EL AFIA , ABDELLATIF
	Industrial Automation Using Internet of Things: Technologies, Architectures, and Applications (ID:185) Kumar, Anish*; Madireddy, Lakshmi; Kalambe, Shounak; Dixit, Palak ; Sagane, Ishwari ; Akashe, Tanaya
	Smart Glasses-Based Assistive System for Real-Time Text Recognition and AI-Driven Image Description (ID:215) Mali, Shilpa *; Totager, Shreya; Malaganvi, Sidaling; Kakaraddi, Srusti
	IoT-Driven Smart Supply Chain Visibility: A Real-Time Framework for Inventory, Logistics, and Risk Monitoring (ID:266) Kumar, Dr G Prasanna*
	Onshore Wind Turbines Digital Twin Application for Predictive Maintenance in the IIoT Using an Edge-Fog-Cloud Architecture (ID:297) Aiman, Benalla*; Saidi, Rajaa; Bekali, Younes Karfa
	A Layered Firewall and Threat-Detection Architecture for Securing Social Messaging Applications Against Account Takeover, Bot, and API-Level Attacks (ID:300) Ajewole, Oluwafemi*

S8c	**Internet of Things networking and communication** Artificial Intelligence for Smart Cities Smart Electrical / Electronic devices, Microelectronic design
	Chairs :
29 October 09:00 - 10:30	**IoT Cold Chain Monitoring for Perishable Foods (ID:303)** Kaswan, Sourabh*; Metha, Anshu; Guri, Priyansh; Rathore, Yash; Rani, Pragya; Raj, Satyam
	Orchestrating Digital Technologies for Scalable Servitization: The Role of AI, IoT, and Cloud Computing in Industrial Firms (ID:313) Das, Akhilesh*; Al Asaad, Sayed Azeez; Sisodia, Vikram
	Multimodal Evolutionary Algorithms for Visual Recognition: From Passive Perception to Active Intelligence (ID:315) Rabhi, Asmae*; Rafalia, Najat ; Abouchabaka, Jaafar
	Beyond Sensors: IoT Urban Data Platforms and Smart Dashboards for Interoperable Urban Connectivity in Rabat. (ID:320) LAHNIKATE, Zineb*
	Design of 4x4 Patch Antenna Arrays for Seamless Direct-Satellite-to-Device (DS2D) to IMT UE Connectivity (ID:354) OSFOUR, ASMAA*; ANGRI, ISMAIL; BERRICH, LOUBNA; MENCHAFOU, YOUSSEF; ADDAIM, ADNANE
	Secure Serverless Communication Using Post-Quantum Cryptography (ID:356) Jarane, Anass*; LAAOUAFI, Fatiha; EDDABBAH, Mohamed; AITZAOUIAT, Charafeddine; OUKAIRA, Aziz; GOUNANE, Said

S8d	**Internet of Things networking and communication** Cyber Security for Smart Cities
	Chairs :
29 October 09:00 - 10:30	**The management of intelligent information systems in organizational settings: "Review of recent literature (2021-2026)" (ID:377)** EL MEKADEM, Noura*; Moulad, Lamyaa
	Agentic Intelligence for Connected Healthcare: Secure Learning Across IoT and Edge Environments (ID:396) Ambatkar, Saloni*
	IoT-Based Real-Time Monitoring of Photovoltaic Panel Parameters Using an ESP32 Web Server (ID:398) DIDI, Zaidan*; El Azami, Ikram; Ennaciri, Ansam; elkhamlichi, sokaina
	A Cyber-Physical Three-Layer Security Architecture for Moroccan Smart Grids: State-Space Modeling and Deterministic Cyberattack Detection (ID:103) Marah, Rim*
	AI-Driven Continuous Authentication of Smart City IoT Devices with Post-Quantum Anchoring on Ethereum (ID:120) HOUARI, ELMEHDI*; YOUNES, ALI; HARCHAOUI, ABDEL ALI ; EL MOUNAOUI, MONIR
	ARTIFICIAL INTELLIGENCE IN HEALTHCARE: BETWEEN CLINICAL PROGRESS AND THE NEED FOR AN ETHICAL GOVERNANCE FRAMEWORK (ID:122) Abli, Asmaa*; ABLI, Asseya

S8e	**Smart Governance** Cyber Security for Smart Cities
	Chairs :
29 October 09:00 - 10:30	**An Explainable and Adversarially Robust Deep Learning Framework for IoT Intrusion Detection Systems (ID:123)** Guedar, Manal*
	Machine Learning-Driven IT Risk and Compliance Auditing: A Smart Governance Perspective from the Oriental Region, Morocco (ID:141) Maalemi, Tarik*; EL MEKKI, HASNA
	HQCN: A Niederreiter Based Variant of HQC with Direct Security Reduction for Embedded and IoT Systems (ID:199) DIOP, Moussa*
	Development of Ensemble Stacking Model for Cybersecurity and Network Intrusion Detection in Enterprises (ID:242) Akinbowale, Oluwatoyin*; Zerihun, Mulatu Fekadu; Mashigo, Polly; Daniyan, Olalekan Victor
	An Explainable Graph Intelligence Framework for Early Detection of Online Financial and Social Engineering Scam (ID:257) S, Natarajan*; M, Karthik; S A, Vibhu; Zaidhu, Mohammed
	An Enhanced Phishing Website Detection System using XGBoost and LightGBM with Feature Selection and Performance Analysis (ID:264) P, Rithika; M, Surya*; P, Vasuki; S, Pothiswaran

S8f	Cyber Security for Smart Cities
	Chairs :
29 October 09:00 - 10:30	**AI and Blockchain Based Approaches for Evil Twin Wi-Fi Attack Detection, Prevention and Attribution (ID:267)** karpe, vishal*
	Hybrid Intrusion Detection System for Anomaly Detection in Vehicular CAN Networks (ID:275) Kokare, Shachi*
	A Low Complex Compressive Sensing Based Plug and Play Privacy Preserving Model for Spoofing Detection (ID:284) Bhattacharya, Devyaansh; Al Juboori, Haider ; O'Briain, Diarmuid ; Haque, Rejwanul ; Tabassum, Mujahid ; V, Hareesh ; M S, Arun*
	CausalShift: A Taxonomy and Magnitude Measure for Causal Structural Change in Network Traffic Under Attack (ID:341) ENNACIRI, MEHDI*; TAOUIL, RAFIK
	Conversational SIEM: A Natural Language Interface for Real-Time Threat Detection Using Wazuh and Elasticsearch (ID:360) Kadri, Aariz*; Amin, Abbas; Alialgaori, Ahmed; Bhosale, Smita
	Adaptive Closed-Loop Zero Trust Model at the API Gateway Layer Using Deception Intelligenæ (ID:375) Desai , Vinod ; G, Ramanjinamma; T.R., Nagarjuna; SP, Pranav*; Balasaraswathi, Peketi ; Shettahalli H, Vishnu

S9a	**Cyber Security for Smart Cities** Big Data, Urban Analytics and Decision Support Data Analytics for Smart Cities
	Chairs :
29 October 10:30 - 12:00	**Layer-Aware Cybersecurity for Resilient Smart-City Infrastructure: A Moroccan Perspective (ID:391)** MARAH, Rania*
	A QoE Scoring Framework for 4G/5G Mobile Networks: Design and Evaluation of Its Coverage Score on Public Drive-Test Data (ID:3) babachekh, Mohamed*
	Smart City Strategy and Territorial Attractiveness: The Mediating Effect of Perceived Socio-Economic Outcomes in Greater Tangier (ID:37) EL FAKHOURI, laila*
	Governance, Policy and International Cooperation for Smart Cities: Global Trends, Strategies, and Lessons for African Cities (ID:38) Adimasu, Shishigu*
	Integrating Sequential Learning, Attention, and Ensemble Methods: A Hybrid Multimodal Framework for Interpretable Financial Prediction (ID:100) didast, abdelali*; Boumhamdi, Mounir; Ikira, Marouane; Azizi, Yamna
	A Scalable Federated Big Data Pipeline for Multi-Site, Multi-Modal Autism Data Integration and Synthetic Augmentation (ID:125) EL AYAT, Nisrine*; Lebbadi, Yasmine; Ouazri, Chaimae

S9b	Big Data, Urban Analytics and Decision Support
	Chairs :
29 October 10:30 - 12:00	**Lean Smart Cities: A Conceptual Framework for Eliminating Urban Waste and Strengthening Sustainability (ID:126)** Benchekroun, Mohamed Amine *; Chandad, Amina
	Counterfactual Flood Resilience Planning for a Data-Scarce African City: A CausaTwin Case Study of Cape Coast, Ghana (ID:158) Tamanja, Ransford; Haruna, Charles*; Asante-Mensah, Maame; Amofa, Sandro
	WaitWise AI: A Proposed Architecture for Total-Time-Based Service Recommendation Using Confidence-Weighted Queue Fusion and Gradient-Boosted Prediction (ID:159) GK, Ragul Balajee*; R, Pranav; G, Smilarubavathy
	Mapping Blockchain-Enabled Financial Risk Mitigation in Supply Chain Resilience: Implications for Africa's Smart Digital Economies (ID:197) MASOUABI, Asmae*; Khalfi, zaynab; kobiyh, miloudi; Akhlafou, Mohamed
	Structuring the Invisible: A Data Completeness Framework for Informal Property Markets in Sub-Saharan Africa (ID:222) Aeby, Alina*
	From Drift Detection to Reconfiguration Decisions: A Comparative Study of Retraining Trigger Mechanisms for Urban Machine Learning Systems (ID:226) OURAHO, Hamza*; Al-Amrani, Yassine

S9c	**Big Data, Urban Analytics and Decision Support** Sustainable Urban Planning
	Chairs :
29 October 10:30 - 12:00	**Remote Sensing and GIS-Based Urban Analytics for Sustainable Smart City Planning: A Case Study of Laayoune, Morocco (ID:234)** ZRIBINA, FATOU*; ZRIBINA, FATOU
	Estimating onion yields with machine learning using climate variables and vegetation and moisture indices obtained by satellite in the semi-arid regions of developing countries (ID:250) Gning, Mass*; FAYE, Demba; Dione, Doudou; DIOP, Idy
	From Logistics Data to Intelligent Decisions: An AI-Based Framework for Logistics Flow Prediction in Moroccan Distribution Centers (ID:293) Mellouk, Marwa*; Alla, Lhoussaine
	BMNB: A BIAS MITIGATING NAIVE BAYES CLASSIFIER INTEGRATING GROUP-SPECIFIC LEARNING AND ADAPTIVE THRESHOLDING (ID:374) Arthur Junior, John*; Yussiff, Abdul-Lateef; Asante-Mensah, Maame G.; Yussif, Alimatu-Saadia; Haruna, Charles Roland; Amofa, Sandro K.
	Review on Behavioral Analysis of Bike Use and Decision Support Methods for Soft Mobility Infrastructure and Service Development (ID:16) Negera, Dawit*
	Intégration de la durabilité dans l'aménagement urbain de M'diq : une approche géographique pour une ville résiliente et inclusive (ID:59) karima, ayyach; jawad, abidou*; jamila, saidi

S9d	**Sustainable Urban Planning** Innovation in Infrastructure Smart Building and Demotic Automation
	Chairs :
29 October 10:30 - 12:00	**From Innovation Cities to Smart Cities: Rethinking the Digital Governance of University Innovation Ecosystems in Morocco (ID:69)** MARZOUGUI, YASSINE*; Elboutaybi, Chaimae; Omar Elyoussoufi, Attou; rejjaoui, rania
	Artificial Intelligence Literacy in Higher Education: Towards an Integrated Theoretical Framework Based on Bibliometric Analysis and Systematic Evidence Synthesis (ID:121) FEKKAK, AZZEDDINE*
	Explainable Artificial Intelligence for Structural Health Monitoring of Composite Structures: A Critical Review of Methods, Applications and Future Trends (ID:180) Ouabdou, mohammed*
	Predicting Occupant Thermal Sensation using Machine Learning: comparative approach by Random Forest, SVM and XGBoost (ID:192) BEN YACHRAK, Naoual*; TAOUKIL, Driss
	Implementation of Machine Learning Models for Predicting Persons Involved Severity Levels in Road Traffic Accidents (ID:252) Bayode, Opeyemi*
	Lightweight Anomaly Detection for Induction Motors on Embedded Systems Using Artificial Intelligence: A Systematic Literature Review and Conceptual Framework (ID:261) Ajewole, Oluwafemi*

S9e	**Innovation in Infrastructure** Smart Building and Demotic Automation Sustainable Urban Planning
	Chairs :
29 October 10:30 - 12:00	**Performance Information Continuity in BIM-Enabled Sustainable Construction Project Delivery: A Conceptual Framework (ID:276)** Sefidari, Sepideh*
	AI-Powered Cognitive Digital Twin for Smart Buildings with Predictive Maintenance, Occupancy Forecasting and Energy Optimization (ID:280) C, ANAND; MITHRA BN, SREE*; B, THAMARAISELVAN; S, NISHANTH
	A Blockchain-Based Smart Contract Model for Transparent and Accountable Toll Revenue Collection (ID:307) Mutungi, Nancy*; Ndinda, Nancy; Shibwabo, Benard
	From Development Control to Capacity Management: A Comparative Framework for Sustainable Infrastructure Planning (ID:327) Kushwaha, Neeharika*; Agarwal, Jalaj
	Full Paper(A Comprehensive Review of Communication Technologies in Home Automation) (ID:362) Layla, EZZINE*
	Integrating Traditional Arab Architecture with Smart Architecture (A Proposed Model for Adapting to Climate Challenges in the Arab Region: A Literature Review) (ID:384) Elshelly, Shaban*; Saleh, Amir ; Desouky , Ibrahim

S9f	**Smart Building and Demotic Automation** Sustainable Urban Planning Smart Environment and Climate Resilience Resilience and Climate Action
	Chairs :
29 October 10:30 - 12:00	**A Comprehensive Review of Communication Technologies in Home Automation (ID:410)** Layla, EZZINE*; Mohamed, EL HARZLI ; Imane, IHSANE
	Bioclimatic and Passive Design Strategies for Thermal Comfort and Energy Efficiency in Tropical Architecture: A Systematic Review of Implications for Nigeria (ID:400) Akinyemi, Akinniyi*
	Detection and Intelligent Management of Flood (ID:20) Hssaine, Hamid*; Elouadi, Abdelmajid; Mharzi, Rachid
	Spatial Modeling for Identifying Optimal Sites for Artificial Groundwater Recharge as an Approach to Enhancing Climate Resilience and Adapting to Water Stress in the Downstream Ghriss Basin (Morocco) (ID:23) خويا, خويا*
	Artificial Intelligence and the Internet of Things for Urban Solid Waste Management: A Review of Intelligent Solutions for Collection, Sorting, and Recycling (ID:109) HARROUSSI, BAHA EDDINE*; El Maaroufi, Ismail
	Graph Neural Networks for Spatial Flood Risk Prediction in Tetouan, Morocco (ID:110) Bakkour, Issam*; El Khattabi, Zaynab; Abdoun, Otman

S10a	**Smart Environment and Climate Resilience** Resilience and Climate Action
	Chairs :
29 October 12:00 - 13:30	**A Systematic Review of Artificial Intelligence Methods for Forest Fire Prediction: State of the Art and Research Positioning for Mediterranean Morocco (ID:175)** OUAZRI, CHAIMAE*; ELMHOUTI, Abderrahim; EL AYAT, NISRINE ; Lebbadi, Yasmine ; fahim, mohamed
	Forest Fire Dynamics, Driving Factors, and Monitoring Systems in Northern Morocco: A Review and the Case for AI-Based Prediction (ID:176) OUAZRI, CHAIMAE*; El Mhouti, Abderrahim ; El Ayat, Nisrine ; Lebbadi, Yasmine ; fahim, Mohamed
	Data-Driven Flood Susceptibility Mapping in Greater Lomé: Assessing Transfer Learning under Local Data Scarcity (ID:201) GBEDEVI, Akouyo Yvette *; Atchonouglo, Kossi
	Data-Driven Approaches and Machine Learning for Enhancing Flood Disaster Resilience in the Built Environment: A Systematic Review (ID:253) Alabi, Adewale*; Egbe, Davidson
	Urban Heat AI: A Machine-Learning and Remote-Sensing Framework for Urban Heat Mitigation and Decision Support in Chennai (ID:271) V, Selvanayaki*; T, Selva Aruniga; M, Sona; A, Dr. Christy Jeba Malar
	Artificial Intelligence in Microalgae-Based Wastewater Treatment and Biomass Valorization: A Bibliometric Analysis of Global Re-search Trends and Circular-Bioeconomy Applications (ID:314) terroufi, soukaina*; BERREBAAN, Imane ; EZRARI , Said ; HAMMOUTI, Yousra ; LABED, Safia; MOKHTARI , Khalida

S10b	**Smart Environment and Climate Resilience** Intelligent Transportation Systems and Smart Mobility Artificial Intelligence for Smart Cities
	Chairs :
29 October 12:00 - 13:30	**Intégrer la durabilité dans la planification urbaine de M'diq : une approche géographique pour une ville résiliente et inclusive. (ID:371)** Ayyach, Karima; jawad, abidou*; Saidi, Jamila
	Assessing Climate-Induced Landslide Susceptibility in the Western High Atlas: A Multi-Source Remote Sensing and GIS Integration (ID:393) HAFIDI, Sihame*; Ettaki, Mohammed; Boudad, Brahim
	Enhancing the Security of Vehicular Communications in Urban Environments (ID:34) BELKHADIR, Mouhcine*
	Intelligent Transportation Systems as a Lever for Urban Sustainability in the City of Fez (ID:73) HILALI, ADIL*
	Artificial Intelligence for Antimicrobial Resistance Surveillance and Prediction: A Bibliometric and Science Mapping Analysis (ID:321) EL YANDOUZI, IMANE*; EZRARI, SAID; GRARI, Oussama; KARIOUH, Hafida; BOUZROUK, Asmae; KHALAF, Ahmed; BERREBAAN, Imane; LAHMER, Mohammed; SADDARI, Abderrazak ; ELOUENNASS, Mostafa ; MALEB, Adil
	Transforming Urban Mobility: The Digital Evolution of Yerevan's Public Transport System (ID:85) Grigoryan, Ani*

S10c	**Intelligent Transportation Systems and Smart Mobility** Smart Services, Urban Logistics Innovations and Smart Manufacturing Irrigation And Agriculture
	Chairs :
29 October 12:00 - 13:30	**The Evolution of Autonomous Vehicle Perception: From Front-View to Bird's-Eye View (ID:104)** WAHIA, Asma*; ANWAR, Adil
	A Safety-Shielded Reinforcement Learning Framework for Adaptive Urban Traffic Management (ID:195) ALZU'BI, Tamer*; Washah, Lubna
	Urban Traffic Congestion Prediction Using LSTM, GRU, xLSTM, and XGBoost: A Comparative Study in El Jadida (ID:322) Hassani, Abdelhadi*; Riaji, Tarek; Brahmi, Rafika; Alaoui, Abderrahmane; El Hassani, Sanae
	Edge AI for high-speed train surface corrosion detection using embedded yolo-pro (ID:348) MOHAMED, CANDIDATURE*
	Training-Free Optimization for Smart Manufacturing: A Hybrid ACO-Kalman Filter Approach to Job-Shop Scheduling (ID:70) KRIOUICH, MOHAMED*
	Hybrid LSTM–DQN Framework for Adaptive Healthcare Supply Chain Optimization with Macro-Ergonomic Integration (ID:72) Louah, Soulaiman*; Sarir, Hicham; kriouich, mohamed

S10d	**Smart Services, Urban Logistics Innovations and Smart Manufacturing** Irrigation And Agriculture Artificial Intelligence for Smart Cities Resilience and Climate Action
	Chairs :
29 October 12:00 - 13:30	**How Indoor Farming Is Transforming Food Logistics: An Integrated Logistical and Ecological Assessment Along the Urban Supply Chain (ID:102)** Kießling, Julia; Vogt, Felix; Bulat, Halil; Uckelmann, Dieter*
	Towards Smart and Sustainable Mining Operations: Reducing Water Truck Attachment Breakdowns through Digital Monitoring and Engineering Improvement (ID:183) Budiman, Yosef ; Sugiri, Sugiri; Fadlullah, Yanuar Agung; Ma'ruf, Khakam; Setiawan, Rizal Justian*; Maulana, Muhamad Riyan
	An Interpretable AI-Based Decision Support System for Intelligent Crop Yield Prediction (ID:272) kumar, prince*; Verma, Divya ; Patel, Harshit ; Gupta , Rakshit ; Pandey , Piyush
	Digital and Smart Technologies for Sustainable Supply Chain Management: A Systematic Literature Review (ID:350) BOUMLIK, Yassine*; MOULAD, Lamyaa
	Research Trends in Battery Supply Chains and Critical Raw Materials: A Systematic Literature Review (ID:88) REDOUAN, Souhail*
	Cross-Sector Capability Transfer for Resilient and Sustainable Supply Chains: Insights from Smart Port Systems to Healthcare Logistics (ID:402) Saffidine, Oumaima*; Benazzouz, Touria; Mihoubi, Saloua