

تحت الرعاية السامية لصاحب الجلالة الملك محمد السادس نصره الله

Under the High Patronage of H.M King Mohammed VI



جامعة عبد المالك السعدي
ⵜⴰⵎⴰⵏⵜ ⴰⵎⴰⵏⵜ ⴰⵎⴰⵏⵜ
Université Abdelmalek Essaâdi



وزارة الداخلية
عمالة المصيق-الفيندق



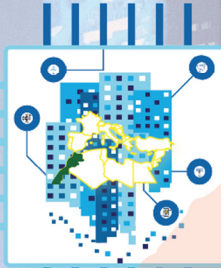
Mediterranean Smart Cities
Forum



عمالة تطوان
Province de Tétouan



المدرسة العليا للأستاذة
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ÉCOLE NORMALE SUPÉRIEURE



Mediterranean Smart Cities

2ND EDITION
OF

MEDITERRANEAN
SMART CITIES CONFERENCE

PROGRAM AND USEFUL INFORMATION

13th - 15th OCTOBER 2025
TETUAN AND MARTIL-MOROCCO

FOR MORE INFORMATION

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"It is up to the world to invent modes of development allowing our populations to access better-being while preserving the conditions of its sustainability. We must all work towards this goal and listen to the creative, the young, those who innovate and those who are preparing our world of tomorrow. Ladies and Gentlemen, It is the responsibility of States to carry forward visions of the future and to act to implement them, through major measures and structuring projects. However, public policies, no matter how ambitious they may be, remain fragile if they are not embraced by populations and civil societies. This is the essence of sustainable development. For development to be sustainable, solid, and rich, it must be driven by a vision shared by all actors in a society, where each decides and chooses to embody it in their own way."

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: Convention Center, of the Bar

October 13

8 :30	
10 :00	Registration & Welcome
11 :00	Opening speeches and Award Ceremony
11 :30	Signing of Agreements
12 :00	Inauguration and visit of the exhibition stand of MSCC'2025 Expo
	Panel 1: Digital Transformation, AI & Emerging Technologies Moderator: Abdellatif El Afia, ENSIAS, UM5, Rabat - Morocco - Eric Tsui, Hong Kong Polytechnic University, Hong Kong (Remote) - Mohamed Essaaidi, ENSIAS, UM5, Rabat – Morocco - Abdessamad Ben Hamza, Concordia University, Montreal - Lik-Hang Lee, Hong Kong Polytechnic University (Remote) - Julia Chen, Director of the Educational Development Centre at The Hong Kong Polytechnic University (Remote) - Serena Fraiese, University of Salerno, Italy - Marco Landi, Director of EuropIA Institute, Italie (Remote)
13 :45	Panel 2: Smart City and Knowledge Management Moderator: Mohamed Essaaidi – ENSIAS, UM5, Rabat – Morocco - Vincent Ribiere, Managing Director of the Institute for Knowledge and Innovation Southeast Asia (IKI-SEA) - Bangkok University (Remote) - Karim Dasuki, Universidad del Sinú & i-Cluster, Colombia (Remote) - Ching-Hsiang Cheng, Wuhan University of Technology, China (Remote) - Houssain Kettani, Al-Akhawayn University, Morocco
14 :30	Lunch Break
15 :30	Panel 3: Urban Mobility, Transportation & Smart Logistics Moderator: Abdessamad Ben Hamza, Concordia University, Montreal - Alae Moudni, STM, Morocco - Radouane Mrabet, Professor Emeritus at Mohammed V University of Rabat and former President of Sidi Mohamed Ben Abdellah University in Fez - Asmae Ben Bahida, Board director of Agoria: Belgian federation of technology
16 :15	Panel 4: Resilient Urban Infrastructure & Planning Moderator: Houssain Kettani, Al-Akhawayn University, Morocco - Robert Laurini, University of Lyon, France - Sultan Al Sultan, CEO, Environmental Center of Remote Sensing, Riyadh, KSA - Badr Ben Hichou, Smart Cities Expert, Sidi Mohamed Ben Abdellah University, Fez, Morocco - Bashir Saleh, Head of the Construction Division, Libyan Academy, Tripoli (Remote)
17 :15	Panel 5: AI Responsibility and Ethics Moderator: Asmae Ben Bahida, Board director of Agoria: Belgian federation of technology - Emmanuel R. Goffi, Professor of Ethics at ISEP - Ecole d'ingénieurs du numérique (Remote) - Rupa Singh, Founder of AI-Beehive & The AI Bodhi (Remote)
	Closing Ceremony of Day 1

Program Overview : Day 2

October 14

09 :00	Panel 6: Smart Water Management Moderator: Hind Cherkaoui Dekkaki , Vice-President in charge of Scientific Research and Cooperation, UAE, Morocco - Ali Benbrahim, Co-Chair Fiware, Tunisia - Mohammed Seaid, Durham University, United Kingdom (Remote) - Adel Smeda, Science & Technology Sector, ICESCO
10 :00	Panel 7: Culture, Heritage & Smart Societies Moderator: Emmanuel Nzobantou , SupMTI, Rabat - Morocco - Léonce Hounghadji, Vice-Président - Afrique, Médias – Tamkine (Remote) - Mary Mumbua Mutisya, Expert in Higher Education Management (Remote) - Maithe Quintana, Fondatrice Human Vela, CEO Centre International de l'ikigai (Remote) - Lkaihal Mhamed, African Institute for Smart Governance
11 :30	Panel 8: Health, Safety & Well-being Moderator: Ali Benbrahim , Co-Chair Fiware, Tunisia - Ayodele Samuel Jegede, Director, Research Management Office, university of Ibadan, Nigeria. (Remote) - Markus Schuckert, University of New Hampshire, USA (Remote)
12 :15	Panel 9: Digital Economy, Innovation, Security and Safety Moderator: Radouane Mrabet , Professor Emeritus at Mohammed V University of Rabat and former President of Sidi Mohamed Ben Abdellah University in Fez - Brandon J. Price, Universidad Panamericana (Mexico), and Adjunct professor of engineering at Virginia Commonwealth University (USA) (Remote) - Van R. Wood, Philip Morris Endowed Chair in International Business at Virginia Commonwealth University (Remote) - Yixiang Wang, Lehigh University, USA (Remote) - Patricia Cummins, President of the Board, The Africa Business and Entrepreneurship Research Society, USA (Remote)
13 :15	Lunch Break
14 :30	Panel 10: Energy & Sustainability Moderator: Khalid Berrada , Director of ICESCO's Open Education - Jarosław Grobelny, CEO of Intereko Energia Sp. z o.o. – Poland (Remote) - Hamza El Hafdaoui, Al-Akhawayn University, Morocco
15 :15	Panel 11: Education and Citizen Awareness Moderator: Abdelilah Kadili , President of Tamkine Foundation, Morocco - Khalid Berrada, Director of ICESCO's Open Education - Jaime Casap, Chief Education Evangelist, Google Inc (Remote) - Abdellatif KIDAI, Dean of Faculty of Science and Education, UM 5, Rabat – Morocco
16 :30	Panel 11: Resilience & Climate Action Moderator: Amine Hurairi , AESVT - Abderrahim Ksiri, Président of AESVT, Morocco - Seghir hakima, AESVT - Hassan Agouzol, AESVT
17 :30	Closing Ceremony of Day 2

Program Overview : Day 3

October 15

10 :00	Panel 12: Public Authorities role and Involvement <u>Moderator:</u> Abdelilah Kadili, President of Tamkine Foundation, Morocco - Nouredine Lasfar, Head of the society digital transformation department - ADD, Morocco - Kris Villanueva-Libunao, Digital Gov & Smart City Advisor, Philippines (Remote)
12 :30	Closing and Awards Ceremony (ENS – MARTIL)

MasterClass: Transforming Education with OER

9h : 00 – 12 : 00 / ENS – Martil

Under the High Patronage of His Majesty King Mohammed VI



إيسيسكو
ICESCO



وزارة التعليم العالي والبحث العلمي
The Ministry of Higher Education and Scientific Research

**FUIW MasterClass:
Transforming
Education with OER**



**MEDITERRANEAN
SMART CITIES CONFERENCE**
13 - 15 OCTOBER 2025, TÉTOUAN



Khalid BERRADA
ICESCO Chair
Director UM5R

Recognized as a foundation of the smart city, smart education is the critical human-centric element that transforms a technologically advanced city into a truly «smart» one. While smart cities deploy technology for efficient infrastructure, smart education ensures the development of the digital public goods and the skilled, engaged citizenry necessary for sustainable urban growth. In the context of this conference, smart education is the vital bridge between heritage and innovation. It utilizes Open Educational Resources (OER), DPGs and Digital tools to create an Open education (OE) ecosystem.



Souhad SHLAKA
FUIW Expert
UM5R

In collaboration between the Mediterranean Conference on Smart Cities and the ICESCO Chair of Mohammed V University in Rabat, this MasterClass will highlight the key elements of building of opening up education in south Mediterranean countries which used a bottom-up approach to promote Open Educational Resources (OER) and Open Educational Practices (OEP) with a focused goals to modernize higher education by fostering collaboration and sharing pedagogical materials improving digital competences of teachers, and providing access to flexible, high-quality educational content and learning paths for diverse populations, including disadvantaged groups.



Loubna TERHAZ
FUIW Expert
UM5R

During this -3-hour MasterClass, participants will discuss with the facilitators the fundamental concepts of Open education, clearly distinguishing between “open” and “free.” Examples will be provided and discussed, emphasizing the Open education movement around the world. An overview of open licenses such as Creative Commons, their meaning, and how this simple language has allowed greater flexibility in the circulation of OER within user communities will also be presented. The theoretical foundations of copyright and its scope of application will also be covered.



Majda SOUAF
FUIW Program Manager
ICESCO

This MasterClass will also provide an opportunity to discuss OER through examples and uses in the field of training. From simple use to the personal production of OER, we will cover the key principles of the 5Rs: Retain, Reuse, Remix, Revise, and Redistribute. A brief presentation of the UNESCO Recommendation on OER will highlight the main areas for harmonization and adaptation of OER in education systems. Finally, OER as Digital Public Goods will be discussed in the era of Artificial Intelligence and emerging technologies.



Hackathon Overview Program

	October 13
08:00	Team's Registration (Bar Association-Tetuan)
17:45	
18:00	Transport to ENS Martil
19:45	
20:00	Hackathon Kick-Off
20:45	
21:00	Workshop: The Business Model
21:45	
22:00	Brainstorming & First Steps
09:00	

	October 14 (ENS Martil)
08:00	Hackathon: Prototype Development
15:45	
16:00	Workshop: The Product design
16:45	
17:00	Hackathon: Prototype Finalization
19:45	
20:00	Workshop: The Pitch
20:45	
21:00	Pitch Preparation
09:00	

	October 15 (ENS Martil)
08:00	Projects' submission
08:45	
09:00	Hackathon: Pitches to the Jury
12:00	
12:15	Jury Deliberation
13:00	
13:15	Closing Ceremony & Award Distribution
14:00	

Foreword

Welcome to the **2nd Edition of Mediterranean Smart Cities Conference**. Proudly hosted in the historic and culturally rich cities of Tetuan and Martil, Morocco — a UNESCO World Heritage site where the spirit of tradition and the pulse of innovation converge.

This edition builds on the success of our inaugural conference and continues our mission to explore cutting-edge ideas and sustainable solutions shaping the future of smart cities across the Mediterranean region.

Join a diverse community of thought leaders, policymakers, urban planners, technology experts, researchers, and PhD students for an immersive experience that blends inspiring keynote talks, engaging technical sessions, interactive panels, hands-on workshops, and in-depth tutorials.

Together, we will navigate the intersection of heritage and innovation, and contribute to reimagining urban life in the 21st century — starting right here in Tetuan and Martil.

Ahmed Ben Dahmane
ENS Martil
Abdelmalek Essaadi University, Morocco

MSCC'2025 General Chair

Detailed Sessions Program

S-I	Data Analytics for Smart Cities Digital Inclusion Digital Transformation Territorial Intelligence
S-II	Cyber Security for Smart Cities Cybersecurity And Intelligent artificial Cybersecurity and Virtualization Security
S-III	Integrated circuits and Embedded Technologies Smart Electrical / Electronic devices, Microelectronic design
S-IV	Internet of Things networking and communication Internet of Things networking and communication Vehicular ad-hoc networks and wireless connectivity
S-V	Smart Building and Demotic Automation Smart Cities and Chatbots Smart Services, Urban Logistics Innovations and Smart Manufacturing Sustainable Urban Planning Intelligent Transportation Systems and Smart Mobility
S-VI	Materials science Smart Energy Sensing and Smart Products for Energy Smart Grids
S-VII	Smart Health
S-VIII	AI in education Smart Education
S-IX	Community Engagement Innovation in Infrastructure Irrigation And Agriculture Resilience and Climate Action

Onsite sessions

	13 October				14 October				15 October		
9:00				9:00				9:00			
9:15				9:15				9:15			
9:30				9:30				9:30			
9:45				9:45	S-I(3) Room 1	S-III(1) Room 2		9:45	S-VIII(1) Room 1	S-IX(1) Room 2	
10:00				10:00				10:00			
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11:00				11:00				11:00			
11:15				11:15	S-V(1) Room 1	S-III(2) Room 2		11:15	S-VIII(2) Room 1	S-IX(2) Room 2	
11:30				11:30				11:30			
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12:45				12:45	S-V(2) Room 1	S-IV(1) Room 2		12:45			
13:00				13:00				13:00			
13:15				13:15				13:15			
13:30				13:30	Lunch Break			13:30			
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14:45	Lunch Break			14:45				14:45			
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15:15				15:15	S-V(3) Room 1	S-VI(1) Room 2		15:15			
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17:00	S-I(1) Room 1	S-II(1) Room 2		17:00	S-V(4) Room 1	S-VII(1) Room 2		17:00			
17:15				17:15				17:15			
17:30				17:30				17:30			
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18:00				18:00				18:00			
18:15	S-I(2) Room 1	S-II(2) Room 2		18:15							
18:30				18:30							
18:45				18:45							
19:00				19:00							

Onsite sessions

S-I(1)	Data Analytics for Smart Cities Digital Inclusion Digital Transformation Territorial Intelligence
	Chairs:
13 October 16h00-17h30	Sustainable Urban Planning, Eco-Friendly Development, and Quality of Life: Evaluating the Experience of Chefchaouen (ID:29) BENBRAHIM, KAOUTHAR*; Hmamou, Mustapha
	Measuring Mobility in TripAdvisor Hotel Rankings: A Longitudinal Analysis of Mediterranean Cities (ID:36) Ximénez de Sandoval, José Luis*; fernandez Morales, Antonio
	AI-Driven Forecasting of Citrus Exports: A Comparative Analysis in Morocco (ID:46) NEBRI, MOHAMED AMINE*
	Machine learning techniques for sentiment analysis classification :A comaparative study (ID:104) el khattabi, billal*
	Natural Language Techniques for Big Code: A Review of Generation and Understanding Methods in AI-Assisted Software Development (ID:110) EL FERINDI, HASSAN*; lazrek, hammad; el mouhtadi, Meryam; Zouiten, Mohammed
	An Unsupervised Machine Learning Framework for Fraud and Anomaly Detection in Nigerian Prepaid Electricity Transactions (ID:112) Oni, Damilola*; Ofoegbu, Christian; okon, Paul ; Ikeoluwa, Taiwo
	Integrating AI into Industry 4.0: Toward a Prompt- Driven User Experience in Smart Cities (ID:161) Gharabti, Ahmed*; Nekhass, Houssame; El kortbi, Imane; Bendahmane, Ahmed

S-I(2)	Data Analytics for Smart Cities Digital Inclusion Digital Transformation Territorial Intelligence
	Chairs: Abdelaziz El HIBAOUI
13 October 17h30-19h00	Survey of recent Models for Stock Price Prediction (ID:119) Berradi, Zahra*; Berradi, Halim ; Habbat, Nassera; Nouri, Hicham
	AI-driven Forecasting Methods for City Performance Management: A Case Study on Italian Metropolitan Cities (ID:132) Salimi, Nikoo*; Cepolina, Elvezia M.; Dameri, Renata P; Brozzuned, Monica
	Predicting Loan Default Using Machine Learning: A Data-Driven Approach for Financial Decision Support (ID:136) TAYOUB, Soumaya*; YOUNES, Ali; EL MTILI, Mohamed; Merabet, Najat
	The Sovereign and Inclusive Metropolis: A Synergistic Framework for Next-Generation Smart Cities (ID:141) HALIM, Bahae Eddine*; MOUMAD, Chaimaa
	The Impact of Artificial Intelligence on Global Economic Growth : An Evolutionary Investigation and Systematic Review (ID:142) lachhab, yasser*
	What Type of Influencer Is More Effective in Promoting E-Health Platforms in Morocco (ID:16) Juiher, El Mahdi*; Ouaddi, Hmad
	Digital Transformation for Enhancing Resilience and Flexibility in Automotive Supply Chains under VUCA Conditions: A Smart Cities Perspective (ID:87) TOUMI, SALMA*; SARIR, HICHAM

S-I(3)	Data Analytics for Smart Cities Digital Inclusion Digital Transformation Territorial Intelligence
	Chairs: Fouad AYTOUNA
14 October 09h00-10h30	Digitalization and sustainability in public administration: Towards sustainable and responsible performance (ID:89) Outman, EL HAROUNI ALAOUI*
	Technological Drivers of Early Entrepreneurial Activity: The Roles of Innovation, R&D, Cybersecurity, and Financing (ID:97) Espinosa Vélez, María Paula *; Reyes, Alicia ; Urdiales, Rebeca; Núñez, Dayana

	Digital Transformation and Cultural Entrepreneurship: Strategic Shifts in the Digital Era - A bibliometric analysis (ID:107) Zoubaa, Najlae*; Debbagh, Issam
	Smart Cities, Smart Talents: E-Recruitment for Human-Centric Urban Transformation in Morocco (ID:108) ELMENZHI, Zenab*; El Fassi, Samia; Jdidou, Youssef; Aarab, Ilias
	Artificial intelligence: A Lever for innovation in SME CSR practices (ID:121) REMLI, TaQy-Eddine*; JANATI-IDRISSI, Farid; EL KHABBACH, Mohamed
	La transformation digitale de la Douane Marocaine : Défis et opportunités pour une gouvernance efficace (ID:146) ZOHRI, Kamelia*; Boulafdour, Brahim ; Fettahi, Ithri
	The Impact of the Digital Culture Module on University Students' Engagement: The Case of Ibn Tofail University (ID:160) EL OUADDANE , Kaouthar *; OUMAIRA, Ilham; CHEKOUR , Mohammed

S-II(1)	Cyber Security for Smart Cities Cybersecurity And Intelligent artificial Cybersecurity and Virtualization Security
	Chairs: Abdelfattah Lahiala
13 October 16h00-17h30	An XAI Framework for Detecting and Responding to Ransomware Attacks in Supply Chain (ID:32) Zkik, Karim; Belhadi, Amine*
	IoT Cybersecurity in Morocco: Threats & Regulations (ID:43) Malal, Yassine*; Kettani, Houssain
	Prospective Study on the Unforeseen Impacts of Smart City Implementation Processes in Morocco (ID:44) Kezzoute, Mhammed*
	Integrating Cyber Threat Intelligence and Governance, Risk, and Compliance: A Taxonomy, Comparative Analysis, and Research Perspectives (ID:123) SEHLAOUI, SAFAE*; ABDELLAOUI, ABDERRAHIM

S-II(2)	Cyber Security for Smart Cities Cybersecurity And Intelligent artificial Cybersecurity and Virtualization Security
	Chairs: Mohammad EL HARRAK HAJRI
13 October 17h30-19h00	Alert Prioritization in SOC using Lightweight ML on Wazuh Events (ID:126) SALAMI, maryam*; LOTFI, Imane; SAADI, Mostafa; MANDAR, Meriem
	Sovereign Cloud Security and Governance: A Critical Review of Frameworks, Compliance, and Resilience (ID:127) HAMSASSI, HIBA*; ABDELLAOUI, ABDERRAHIM
	Applications and Integration of AI/ML in Security Operations Centers (ID:122) MABROUKI, HAMZA*; abdellaoui, abderrahim
	VMM-Based IDS and SOAR Integration for Protecting Critical On-Premise Infrastructures (ID:82) Azahoum, Achraf*; Boughanja, Manale

S-III(1)	Integrated circuits and Embedded Technologies Smart Electrical / Electronic devices, Microelectronic design
	Chairs: Zbitou Jamal
14 October 09h00-10h30	Real-Time Kinematic Drones: A Comprehensive Review of Architecture, Charging Systems and Applications (ID:163) assoufi, anas*; BEN HICHOU, Badr; moumen, Aniss; ezzaki, ayoub; el bhiri, brahim
	Design of High-Performance Eco-Friendly Nanocomposites via Molecular Simulation (ID:10) EL BOUCHEHATI, Imane*
	Filtering Behavior Classification of FSS Design Using Machine Learning Algorithm (ID:13) boulaich, Mohamed hamza*; Ohamouddou, Said; Ennasar, Mohammed Ali; EL Afia, Abdellatif
	Constrained MOGA-based Optimization of CSRR-Loaded Microstrip Antenna for Wi-Fi Application (ID:14) boulaich, Mohamed hamza*; Ohamouddou, Said; Ennasar, Mohammed Ali; EL Afia, Abdellatif
	Recent Progress and Future Prospects of Frequency Reconfigurable Antennas and their applications (ID:24) ABRAKA, MOHSEN*; Rahmani, Faouzi; Amar Touhami , Naima Amar Touhami

S-III(2)	Integrated circuits and Embedded Technologies Smart Electrical / Electronic devices, Microelectronic design
	Chairs: Zbitou Jamal
13 October 10h30-12h00	Constrained Multi-objective Genetic Algorithm using Fuzzy Logic Controller in CSRR-Loaded Microstrip Antenna Optimization (ID:58) boulaich, Mohamed hamza*; Ennasar, Mohammed ali; El afia, Abdellatif
	Optimizing AGV Positioning Through Advanced Wireless Communication Systems (ID:101) Terrab, Rania*
	A New Design of Coplanar CSRR Bandpass Filter at 5.8 GHz for Wireless Communication and IoT Applications (ID:153) EL MAIMOUNI, SOUFIANE*; AYTOUNA, FOUAD; ZBITOU, JAMAL; Ginestar, Stéphane ; El Gibari, Mohammed

S-IV(1)	Internet of Things networking and communication Internet of Things networking and communication Vehicular ad-hoc networks and wireless connectivity
	Chairs: Hicham TRIBAK
14 October 12h00-13h15	HKDF-KATAN: A Lightweight Cryptographic Enhancement to secure MQTT protocol (ID:67) Ayoub, Rhbech*
	Novel FSO/RF communication model using Weather forecasting analysis (ID:90) CHAOUI, Fahd*; El HARRAK, Abdellah Yassine; CHAKKOUR, Mounia; AGHZOUT, Otman
	Machine Learning and Optimization Techniques for Energy-Efficient Clustering in Wireless Sensor Networks: A Review (ID:117) AITAMAR, Yassine*; Ait Lhadj Lamin, Samir; El Abbadi, Jamal

S-V(1)	Smart Building and Demotic Automation Smart Cities and Chatbots Smart Services, Urban Logistics Innovations and Smart Manufacturing Sustainable Urban Planning Intelligent Transportation Systems and Smart Mobility
	Chairs: Youssef Haddout
14 October 10h30-12h00	UrbanFlow : Pothole Detection Using YOLOv8 And Alert Notification (ID:2) Brahmankar , Sanika *; Raikwar, Rajesh; Botre, Sanket; Buche, Suhani; Kulkarni, Chaitanya; Chakke, Krushnamgh

	Community engagement in Urban Planning (ID:5) sharma, shraddha*
	Adaptation climatique et gestion du risque d'inondation, le cas d'agglomération de Fès (ID:11) azagouagh , kawtar*
	Optimizing Photovoltaic Installations: A Techno-Economic Study Across 37 Cities in Morocco (ID:34) Ezzini, Mustapha*; Ennejjar, Mohammed; Mouachi, Raja; El Alaoui Elfels, Mohamed ; ELgourari, Abdelali; Boukendil, Mohammed; ELMoutaouakil, Lahcen; Raoufi, Mustapha
	Digital Territorial Communication for Tourism Resilience: A Smart Strategy for Al Haouz Post-Earthquake (ID:48) hilal, oumayma*
	Decentralized Mobility Management: Leveraging Blockchain for Smart City Transport(ID:79) ISMAILI, Zakariae*; Younes, Ali; Harchaoui, Abdel Ali; EL MOUNAOUI, Monir

S-V(2)	Smart Building and Demotic Automation Smart Cities and Chatbots Smart Services, Urban Logistics Innovations and Smart Manufacturing Sustainable Urban Planning Intelligent Transportation Systems and Smart Mobility
	Chairs: Ikram BEN ABDEL OUAHAB
14 October 12h00-13h15	Beyond The Game: Sustainable Urbanism for Tourism Enhancement in World Cup 2030 cities a Systematic Review (ID:61) BOULOUAH, Wissal*; Drouiche, Laila ; lahiala , abdefettah
	Artificial Intelligence in Sustainable Urban Planning: A Functional Benchmarking of Emerging Tools through Multi-Criteria Analysis (ID:64) El Houssaini, khawla*; Lagrini, Khaoula; Adouane, Najib
	A Study on the Rise and Fall of Street Markets insights from Residents' Behavioral Characteristics: The Case of the Modern-era Blocks surrounding Gongchen Bridge (ID:85) Liu, feiyu; Chen, jijun*
	Multi-objective Dynamic graph CNN Architecture Optimization for Tree Species Classification Using Fuzzy Cat Swarm Optimization (ID:154) OHAMOUDDOU, SAID*; Ohamouddou, Mohamed; Boulaich, Mohamed; Ali Ennasar, Mohammed; El Afia, Abdellatif
	A Meta-Learning Framework for a Self-Adapting, Data-Driven Digital Twin for Urban Traffic Control(ID:139) Moumad, Chaimaa*; HALIM, Bahae eddine

S-V(3)	Smart Building and Demotic Automation Smart Cities and Chatbots Smart Services, Urban Logistics Innovations and Smart Manufacturing Sustainable Urban Planning Intelligent Transportation Systems and Smart Mobility
	Chairs: ALI YOUNES
14 October 14h30-16h00	Cat Swarm Optimization for Multi-objective DGCNN Architecture Design in Tree Height Prediction from LiDAR Point Clouds (ID:155) OHAMOUDDOU, SAID*; Boulaich , Mohamed Hamza ; Ohamouddou, Mohamed; Ennasar, Mohammed Ali; El Afia , Abdellatif
	Cascade Deep Learning for High-Accuracy National License Plate Identification(ID:42) TABARNOUST, Essaadia*; ZAZ, Youssef
	An Intelligent Framework for Vehicle License Plate Tracking: Enhancing Urban Resilience and Sustainability in Mediterranean Smart Cities.(ID:51) ABDELILAH, ABDELILAH*; Mghari, Mohammed; El Hibaoui, Abdelaaziz
	Restoring civil infrastructure objects damaged using Digital Twins and Cyber-Physical Systems (ID:52) Iurii, Kaliukh*

S-V(4)	Smart Building and Demotic Automation Smart Cities and Chatbots Smart Services, Urban Logistics Innovations and Smart Manufacturing Sustainable Urban Planning Intelligent Transportation Systems and Smart Mobility
	Chairs: Mohammed Lamarti Sefian
14 October 16h00-17h30	Artificial Intelligence for Predicting Building Energy Consumption: A Comprehensive Review (ID:20) FELLAH, Mohammed*; OUHAIBI, salma; Belouaggadia, Naoual; MANSOURI, Khalifa
	A Real-World Dataset, YOLO Benchmark, and System for Real-Time Overhead Occupancy Monitoring (ID:26) TABARNOUST, Essaadia*; ZAZ, Youssef
	Applications of Optimal Homotopy Asymptotic Method (ID:OHAM) to Thirteen Order Boundary Value Problem (ID:70) Shah, Qayyum*
	Automated Real-Time Urban Waste Detection Using YOLOv8 (ID:138) AJANA, Laila*; SOURI, Adnan ; EL MOHAJIR, Badr Eddine ; EL HICHAMI , Outman ; AL ACHHAB, Mohammed ; ZBAKH, Abdelali
	Impact of Trajectory Planning Strategies on Control Performance of Robotic Manipulators (ID:37) SAOUD, Inas*; CHAHBOUN, Asaad; Mezroui, Soufiane

S-VI(1)	Materials science Smart Energy Sensing and Smart Products for Energy Smart Grids
	Chairs: Zidane Mohammed
14 October 14h30-16h00	Real-Time Performance Monitoring and Privacy-Preserving Optimization in Decentralized Smart Grids Using Blockchain (ID:1) Mohamed Boudra* ; Ahmed Bendahmane
	Temperature-Correlation Framework for Predictive Performance Degradation in Utility-Scale PV Inverters (ID:8) SADKI, Ahmed*; BOUSLA, Mohamed; MOURADI, Abderrahman; El Kharrim, Abderrahman
	Sustainable Mosques: Small Buildings, Big Impact (ID:109) ALSHARIF, MOHAMMED*; alsharif , mohammed
	Artificial Intelligence and Business Strategic Integration in the Age of Digital Transformation: A Research Framework (ID:25) Khbizi, Oumaima*
	Unsupervised Machine Learning for Cooperative Spectrum Sensing (ID:81) Gattoua, Chaymae*; Ventura , Sebastián ; Achkar, Yamina
	Enhanced Anomaly Detection in Smart Grid Metering with a Two-Stage Autoencoder and XGBoost Framework (ID:27) Boudra, Mohamed*; Bendahmane, Ahmed
	Hybrid Multi-Attack Detection System in Smart Grid Using Autoencoder and Classifier Ensemble (ID:59) Boudra, Mohamed*; Bendahmane , Ahmed

S-VII(1)	Smart Health
	Chairs: Mohammed Karsi
14 October 16h00-17h30	Towards Climate-Adaptive Urban Health Surveillance: Integrating AI and IoT for Moroccan Smart Cities (ID:3) Lahlouh, ayoub*; Chenal, Jérôme; Ebnou Abdem, Seyid Abdellahi; Sidi Almouctar, Mohamed Adou; Bounabi, Mariem; BRAHMI, Rafika
	Les obstacles liés à l'adoption de la technologie au sein de secteur de santé dans les pays du nord d'Afrique : revue systématique (ID:68) Hamriri, Chaimae*; el allam, youssef
	Dynamic Synergy in Model Compression: Adaptive Quantized Distillation with Progressive Pruning for Efficient Learning (ID:94) MEDDAOUI, MOHAMED AMINE*; Erritali, Mohammed

	Digital Transformation of Epidemiological Surveillance in Africa: A Bibliometric Analysis of AI-Enhanced Public Health Systems (ID:131) LAFRAXO, Mohammed Amine*; Kharti, Kawtar; Erefai, Ouassima; Soulaymani, Abdelmajid; hami, hinde
	Applications of Artificial Intelligence in Smart Health: From Clinical Practice to Digital Epidemic Management (ID:134) ETTANJAOUY, Mohamed*; HALIM, Bahae eddine ; ABDELMOUMEN, Hanaà

S-VIII(1)	AI in education Smart Education
	Chairs: Mohammed Lamarti Sefian
15 October 09h00-10h30	Toward Inclusive E-Learning Environments for Smart Cities Aligned with SDGs. (ID:6) KAMAL, EL AFOUI*; IMANE, HILAL
	Interactive simulation and mobile learning in physics: synergies for innovative pedagogy (ID:15) KHIARI, Meryam*
	Moroccan Football as a Tool for Community Engagement and Urban Diplomacy: Towards an Intelligent Territorial Soft Power Model (ID:28) Bouchanine, Oumayma*; Baaj, kaoutar; Lahiala, Abdelfattah ; Alaoui Fennane , Maati
	AI and HI: Reflections on Co-evolution, Opportunities and Risks in the Academic Context (ID:30) LAFRAXO, Mohammed Amine*
	Smart Educational Recommendation Systems: Dynamic Content Adaptation Using Deep Learning Models (ID:39) JDIDOU, Youssef*; Aammou, Souhaib; AARAB, Ilias; ELMENZHI, Zenab
	Student-Chatbot Interaction: A Lever for Developing Communication Skills in Smart City Schools (ID:159) Ouahbi, Jaouad*

S-VIII(2)	AI in education Smart Education
	Chairs: Mohammed Lamarti Sefian
15 October 10h30-12h00	Contribution of Accreditation to Student Learning: Review of Humanities and Arts programs (ID:54) Baayou, Fatima Zahra*; Wajrhat, Jannat; Oulmekki, Mariyam ; Limami, Houssame

	Implications of Artificial Intelligence on Quality Assurance in Higher Education (ID:55) Wajrhat, Jannat*; Baayou, Fatima Zahra; Oulmekki, Mariyam; Limami, Houssame
	A Brief Literature Review on Adaptive Content Recommenders in Personalized Learning Environments (ID:98) Aiouej, Hind*
	E-portfolio and MOOCs: What's in it for teachers? (ID:147) AMGARNI, HOUDA*; KHALDI, MOHAMED; NEJJARI, AMEL
	Towards Personalized Education in the Mediterranean: The Role of Educational Recommender Systems in Smart Cities (ID:151) Aammou, Souhaib*; TAGDIMI, Zakaria; Jdidou, Youssef

S-IX(1)	Community Engagement Innovation in Infrastructure Irrigation And Agriculture Resilience and Climate Action
	Chairs: Laila Cherradi
15 October 09h00-10h30	Smart Cities: between Social Acceptance and Participation in Development (ID:56) DROUCHE, Laila*; Baha, Hassan
	Methodology for promoting brand "Smart city for all" (ID:74) Zhao, Yang*; Kikkas, Kseniia; Marzouki, Amine
	Evolving Communities in Heterogeneous Networks: A Dynamic Deep Clustering Approach (ID:100) haddad, hamza*; Attariuas, Hicham; Younes, Ali
	CLEAR-LP: Compact, Interpretable Link Prediction for Organizational and University Communication Graphs (ID:158) hamidi, charaf*; OUHSSINI, Mohamed; Ouballouk, Mohamed; tribak, hicham; gaou, salma
	Performance-Based Flood Engineering for an Innovative Steel Modular Flood Adaptive Platform (ID:19) Albuhairi, Danah*; Forgione, Roberto; Di Sarno, Luigi
	Comparative Study of Random Forest and Support Vector Regression for Rainfall Prediction in Northern Morocco Using Hyperparameter Optimization (ID:120) Merabet, Najat*; Younes, Ali; Sabban, Khalid; Tayoub, Soumaya
	Markov-Optimized Resource Allocation for Sustainable 6G Mediterranean Smart Cities (ID:23) BOUNNITE, Mohamed*; HOUNGNON, Marwane
	Economic Diplomacy and Urban Innovation: Pioneering Smart Cities in Morocco. (ID:63) Bentahar, layla*; Abdellaoui, Mohammed

S-IX(2)	Community Engagement Innovation in Infrastructure Irrigation And Agriculture Resilience and Climate Action
	Chairs: Laila Cherradi
15 October 10h30-12h00	Building an Application Framework for Dynamic Smart City Governance: A Case Study of a Four-Dimensional Spatial Intelligent Design (ID:83) WEIBIN, PENG*; Haiyuan , Ning; Siyang , Zhang
	Architecting Public Communication Infrastructures in Smart Cities for Participatory Governance (ID:150) RAZKAOUI, Yassin*
	From Space to Soil: Comparative Analysis of AI Models for Satellite Image Processing in Irrigation Systems (ID:22) ASSOURI, Achraf*; Mahboub, Oussama; LAZAAR, Mohamed
	Resilience and Climate Action: Public policies to address climate change and building resilient cities by adaptation (ID:105) Pena-Neira, sergio*
	REANALYSIS-DRIVEN PREDICTION OF MONTHLY TEMPERATURE ANOMALIES IN WEST AFRICA USING INTERPRETABLE MACHINE LEARNING (ID:113) Oni, Damilola*; Taiwo, Ikeoluwa ; Paul, okon; Samuel, Umoh
	Smart Water Management for Climate-Resilient Urban Development in Tetouan: An Integrated IoT and AI Framework (ID:128) EL AOUMRANI, Marouan*; EL HIBAOU, Abdelaaziz

Online Sessions

13 October			14 October			15 October		
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19:00			19:00					

Online sessions

S-I(1)	Data Analytics for Smart Cities Digital Inclusion Digital Transformation Territorial Intelligence
13 October 16h00 – 17h30	Chairs: Abdelaziz El Hibaoui
	Reviving Cultural Heritage through Digital Technologies and AIGC in the Smart City Paradigm: Opportunities and ELSI Challenges (ID:66) Zhang, Jiao*; Momoyo, MATSUYAMA; Furuya, Katsunori; Liu, Jiaqi; Lv, Mengfan ; Lei, Rui; Zhang, Yiyi; Zheng, Jinshu; Zhang, Zihan
	SMART Urban Sustainability Monitoring: Integrating ISO 37120 Indicators and SDG Targets for High-quality Assessment (ID:69) Santos, João; Carvalho, André*; Conceição, Lígia; Carneiro, Fátima; Leite, Gabriela
	Medical decision-making in light of object-oriented knowledge representation: the case of medical students (ID:75) IBRAHIMI, MOHAMMED*; Debbagh, Bouchra
	USING DEFORMATIONS OF MEASUREMENT NOISE DISTRIBUTIONS FOR THE DISCRIMINATION OF 3D BUILDING MODEL PARTS (ID:88) Dehbi, Youness*; Kanna, Elmehdi; Plümer, Lutz; Koppers, Sonja
	A comparative study of classification models for data-driven services (ID:103) IDRISSI KHALDI, Mouataz*; Erraissi, Allae; Hain, Mustapha; Banane, Mouad
	The Impact of Big Data and AI in Auditing and Accounting (ID:Especially Fraud Detection): A Comprehensive Analysis (ID:118) Oumouzoune, Fatima*

S-I(2)	Data Analytics for Smart Cities Digital Inclusion Digital Transformation Territorial Intelligence
	Chairs: ALI YOUNES
13 October 17h30 – 19h00	Hit Diffusion on a Digital World - A Data-Driven Network Mining Analysis of Spotify (ID:148) Campos, Pedro*; Terrinha, Ines
	HITRS: A Novel Framework for Intelligent Tourism Recommender Systems based on reinforcement learning (ID:47) Badouch, Mohamed*; Boutaounte, Mehdi
	Digital Technologies and Socio-Pedagogical Communication : A Systematic Review of Educational Effectiveness and Inclusion Challenges in Smart Cities (ID:129) hassani, mouna*; Lahiala, Abdelfattah; Alaoui Fennane, Moulay Maati
	Blockchain-Enabled and Paperless Identity Systems for Environmental Sustainability (ID:49) Sayıcı, Tunga*; Salucu, Deniz
	Adoption of e-HRM systems: key factors and integrated approach based on TAM (ID:71) Chaimae , Qnais*

S-I(3)	Data Analytics for Smart Cities Digital Inclusion Digital Transformation Territorial Intelligence
	Chairs: Hicham TRIBAK
14 October 09h00 – 10h30	The Recommendation of Cultural Heritage Sites in the Smart City: Application of Context-Aware Recommender Systems (ID:96) EL-ATTAR, IMAD*
	Enhancing Public Service Delivery through Digital Transformation: Evidence from Moroccan municipalities (ID:152) Nouha, °Amrani*
	The Emergence of New Communicational Dynamics in Smart Cities (ID:35) baaj, kaoutar*; Bakkali, ELARBI ; Lahiala, Abdelfattah
	The Synergistic Effects of Industry 4.0 and Lean Manufacturing on Supply Chain Resilience: A Literature Review and Case Study in the Moroccan Automotive Sector (ID:106) LAKHOUIL, Hatim*

S-IV(1)	Internet of Things networking and communication Internet of Things networking and communication Vehicular ad-hoc networks and wireless connectivity
13 October 16h00 – 17h30	Chairs: Fouad AYTOUNA
	Optimizing Energy in Wireless Sensor Networks with Machine Learning (ID:77) LARHLIMI, Ibtissam*; Lmkaiti, Mansour; LACHGAR, Maryem; Ouchitachen , Hicham; Mouncif, Hicham
	Code-Based Beam Training for Reliable Beam Alignment in 5G and Beyond (ID:135) albusalih, hawraa*; Alkim, Haider
	Optimization of Wireless Sensor Network Performance Using Self-Adaptive Differential Evolution (ID:60) Adbi, Said ; lmkaiti, mansour*; Aattouri, Imad; Mouncif, Hicham

S-IX(1)	Community Engagement Innovation in Infrastructure Irrigation And Agriculture Resilience and Climate Action
	Chairs: DARI EL YAZID
14 October 09h00 – 10h30	Analysis and Coping Strategies for the "Tragedy of the Anti-commons" in China's Urban Renewal: A Case Study of Hangda New Village (ID:84) Sun, songyi; Chen, jijun*
	Beyond Intelligence: The Smart Citizen's Role in Shaping Inclusive Governance. (ID:164) Berra, Zaineb*; Arezki, Sara; Benhichou, Bader
	Future Potential of the Smart Citizen in Morocco: Leveraging Digital Transformation and Urban Governance. (ID:165) Berra, Zaineb*; Arezki, Sara; Benhichou, Bader
	Blockchain-Enabled, Paperless Identity Systems for Environmental Sustainability (ID:7) Sayıcı, Tunga*; Salucu, Deniz
	The Triple Helix Configuration in Morocco: Exploring University–Industry–Government Relations (ID:114) LISSIGUI, IMANE*; DIOP, SARA; ASSEBANE, ADNANE; GOUMGHAR, SAID; OUAHRAOUI, FATIMA
	Collaborative entrepreneurship in the luxury tourism sector: towards smart destinations generating shared value (ID:149) OUMAIMA, AMEZIANE*

S-IX(2)	Community Engagement Innovation in Infrastructure Irrigation And Agriculture Resilience and Climate Action
	Chairs: Mohammed Lamarti Sefian
14 October 12h00 – 13h30	Vibration-Based SHM Using Artificial Neural Networks with Adam Optimizer (ID:93) EZZOUBAIDI, ELMAHDI*; ADRI, AHMED; CHAJDI, MOHCINE; Moukhliiss, Anass; benamar, rhali
	ReWatAD: AI-Driven Anomaly Detection for Resilient Urban Water Systems to Address Climate Change Challenges (ID:33) Tahiri, sara*; Choukhairi, Mouad; Fakhri, Youssef; amnai, Mohamed
	Modelling Risks and Resilience in Transport Logistics: A Systematic Review (ID:111) Abouchabane, Mohamed*; ZAMMA, ABDELLAH; NISSABOURI, SALAH
	Integrating stochastic risk and resilience into transport logistics network design: A Two-Stage optimization perspective (ID:115) Abouchabane, Mohamed*; Zamma, Abdellah; Nissabouri, Salah

S-VIII(1)	AI in education Smart Education
	Chairs: Abdelfattah Lahiala
14 October 10h30 – 12h00	Human Centric Federated Multimodal Emotion Aware Learning Analytics for Smart Educational Environments (ID:125) Touis, Tarik*; Aammou, Souhaib
	Sequential Pattern Analysis Approach to Student Drop-out Prediction from Learning Activities (ID:156) BELLAJ, MOHAMED*
	Artificial Intelligence vs. Traditional Pedagogy in Higher Education: A Comparative Analysis (ID:95) EL YOUSSEFI, Meryem*; LAHIALA, Abdelfattah

S-II(1)	Cyber Security for Smart Cities Cybersecurity And Intelligent artificial Cybersecurity and Virtualization Security
	Chairs: Abdelaziz El HIBAOU
14 October 10h30 – 12h00	IoT Network Security: Issues and Strategies (ID:4) EL-ATTAR, Ossama*
	Probabilistic Boosting for Intrusion Detection: NGBoost vs XGBoost, LightGBM, and CatBoost with Uncertainty-Aware Evaluation (ID:137) ZAKARIA, HIBAOU*
	Exploring Model Inversion Attacks on Conversational AI: From Logistic Regression to CamemBERT (ID:140) kouskous, Nouhayla*; jabir, brahim
	Safeguarding The Internet of Things: A Machine Learning Driven Security Paradigm (ID:124) Moucharraf, Mehdi*; Ridouani, Mohammed ; Salahdine, Fatima; Kaabouch, Naima

S-V(1)	Smart Building and Demotic Automation Smart Cities and Chatbots Smart Services, Urban Logistics Innovations and Smart Manufacturing Sustainable Urban Planning Intelligent Transportation Systems and Smart Mobility
	Chairs: Ikram BEN ABDEL OUAHAB
13 October 17h30 – 19h00	Long-Term Occupancy Monitoring and Data Analysis for large Building HVAC Energy Optimization (ID:92) Knauth, Stefan*
	Eco-Friendly Urban Planning and Community Engagement for Inclusive and sustainable Cities (ID:65) Srivastava, Dr. Sonali*; Prakash, Anand
	From Model to Decision: Web GIS for Urban Planning (ID:76) Genchev, Mariyan*
	Tetuán Smart: innovation at the service of creativity (ID:130) bouriqui, zahra*
	Urban Heat Island Dynamics in Moroccan Context: A Comparative Analysis of Urban Morphological Configurations Across Six Climate Zones (ID:50) RACHIDI, Achraf*
	A Discrete ANN Surrogate for Free Vibration of 2D-FGM Beams with a Concentrated Mass (ID:143) Moukhliiss, Anass*; Tikonab, ihsane

S-V(2)	Smart Building and Demotic Automation Smart Cities and Chatbots Smart Services, Urban Logistics Innovations and Smart Manufacturing Sustainable Urban Planning Intelligent Transportation Systems and Smart Mobility
	Chairs: OUTMAN EL HICHAMI
14 October 12h00 – 13h30	Applying Construction 4.0 for the assessment of the technical condition of partially destroyed buildings in Ukraine (ID:162) Kaliukh, Iurii*
	Chatbot-Based Assistive Technology Enhancing Charging Accessibility for Wheelchair Users in Smart Cities (ID:31) KADRI, Mohammed*; ALAOUI, Souad; Hnini, Abdelhalim; Chlioui, Imane
	Formalizing and Structuring Tourist Events: A Dynamic Ontological Model (ID:18) BALAADICH, Youness*; JAKIMI, Abdeslam
	Towards Quality 4.0: Leveraging RFID and AI for Predictive Adhesive Bonding Quality Assurance (ID:57) LAKHOUIL, Hatim*
	Mapping the Research Landscape on Sustainable Logistics Practices in Smart Cities: A Bibliometric Review (ID:78) jebrane, el mehdi*; zeroual, laila

S-V(3)	Smart Building and Demotic Automation Smart Cities and Chatbots Smart Services, Urban Logistics Innovations and Smart Manufacturing Sustainable Urban Planning Intelligent Transportation Systems and Smart Mobility
	Chairs: Youssef JDIDOU
15 October 09h00 – 10h30	Don't Stop to Charge, Charge Where You Stop: Wireless Charging in Traffic Flow (ID:157) Kaya, Fatih*; Kirci, Pinar
	Culturally-Adaptive IoT-Based Deep Reinforcement Learning for AI-Driven Traffic Signal Control: A Case Study of Casablanca(ID:38) Nakach, Issam*
	State of the art, research opportunities and challenges in Sustainable Urban Mobility Plans quality assessment(ID:72) Borralho, Matilde; Carvalho, André*; Conceição, Lúcia
	Driver Behavior as a Leading Indicator: A Transformer-Based Approach to Congestion Prediction(ID:80) LAAMIMACH, MOHAMED*

	Quantifying congestion costs and evaluating policy interventions for sustainable urban mobility in Casablanca(ID:86) EL BROUMI, SOUFIANE*; assaad idrissi, Maha
	Trends and Gaps in Assistive Technologies for Blind and Low-Vision Users: An objective-centric review of reviews(ID:116) Er-Rahmouny, Hamza*; Zahir, Jihad; Ait Babram, Mohamed
	Culturally-Adaptive IoT-Based Deep Reinforcement Learning for AI-Driven Traffic Signal Control: A Case Study of Casablanca (very compressed version)(ID:41) Nakach, Issam*

S-VII(1)	Smart Health
	Chairs: Mohammed Karsi
15 October 09h00 – 10h30	Diabetes Diagnosis Comparison of Federated Learning Algorithms (ID:40) Tekrou, Aminetou*; Hadi, Moulay Youssef
	Digital Health Transformation in Post-COVID-19 Africa: A Bibliometric Analysis of Scientific Production and Research Collaborations (ID:144) Irnat, Salim*; Lafraxo, Mohammed Amine ; Soulaymani1, Abdelmajid ; Hadrya, Fatine ; Erefai, Ouassima; Hami , Hinde
	Mapping the AI-Vaccination Nexus: A Bibliometric Analysis of Three Developmental Phases and Emerging Research Paradigms (ID:2010-2025) (ID:145) Kharti, Kawtar; Lafraxo, Mohammed Amine; Harifi, Hala; Erefai, Ouassima; Soulaymani, Abdelmajid; Hami, Hinde*
	Smart Patient Onboarding: A Mobile-Driven Solution for Streamlined Admission in Healthcare Facilities (ID:45) Duruin, Ronand Angelo ; Rafol , Maria Cristina ; Lucas, Kenneth John ; Santiago, John Adriell ; Tolentino, Efren Victor Jr.; Retumban, Joseph*
	Artificial Intelligence in Smart Healthcare: Machine Learning Models for Disease Prediction and Patient Care (ID:62) Assayed, Suha*; Mohamed, Azza; Shieh, Chin-Shiuh; Gupta, Shashi
	Dynamic Synergy in Model Compression: Adaptive Quan-tized Distillation with Progressive Pruning for Efficient Learning (ID:94) MEDDAOUI, MOHAMED AMINE*; Erritali, Mohammed

S-VI(1)	Materials science Smart Energy Sensing and Smart Products for Energy Smart Grids
	Chairs: Youssef HADDOUT
14 October 15h00 – 16h30	Flexural Wave Propagation in Ti-Al₂O₃ FGMs: A New Gradient-Dependent Effective Property Model (ID:17) Ait Cheikh, Khalid*; Ech-chaachoui, Zakaria; Raghieb, Rabab; Khalfi, Hassna; Naciri, Ismail; Elmaimouni, Lahoucine; Yu, Jiangong; BENAMI, Abdellah
	A Multi-Input Fusion Network for Predicting Lithium-Ion Battery Remaining Useful Life Using CNN and LSTM Architectures (ID:12) Mouhim, Ali*; Eloudrhiri Hassani, Abdelhadi; Sbihi, Mohammed; Salbi, Adil
	Machine Learning Driven Sampling Rates Optimization for Accurate Traveling-Wave Fault Detection and Localization in Two-Ended Transmission Lines (ID:133) Abu Salman, Md.*; Mondal, Krishnapada; Das, Rahul Kumar; Sarkar, Mitali; Roy, Goutam ; Alam, Tanzil
	Hybrid Discrete-Model-ANN Surrogate for Natural Frequencies of FGM Piezoelectric Bimorph Beams (ID:102) Moukhliiss, Anass*; ayoub, nassima
	Energy-Aware 5G Networks AI-Driven Optimization of Discontinuous Reception Parameters (ID:99) LAZREK, Hammad*; El Ferindi , Hassan ; Larhmouch, Rachid; Zouiten, Mohammed

S-III(1)	Integrated circuits and Embedded Technologies Smart Electrical / Electronic devices, Microelectronic design
	Chairs: Mohammed ZIDANE
14 October 15h00 – 16h30	Inner Radius Impact on the Vibration Modes of Piezoe-lectric Rings: A Polynomial Method Analysis (ID:21) ECH-CHAACHOU, Zakaria*; Ait Cheikh, Khalid ; khalfi, Hassna; Raghieb, Rabab; Naciri, Ismail; Elmaimouni, Lahoucine; Yu, Jiangong; Bybi, Abdelmajid