



Detailed Program

The 5th International Conference on Big Data and Artificial Intelligence Applications

(ICBDAIA'26)

Springer Conference

02nd - 03th June, 2026

Universitat Politècnica de València, Spain



About

ICBDAIA'26

The Polytechnic University of Valencia - Spain; the Faculty of Sciences of Kénitra, Ibn Tofail University - Morocco are organizing with the collaboration of the Consulate General of the Kingdom of Morocco in Valencia, the 5th International Conference on Big Data and Artificial Intelligence Applications (ICBDAIA'26), to be held on June 2–3, 2026, at the Polytechnic University of Valencia, Spain.

Due to the success of its previous indexed Springer - Scopus editions, i.e., ICBDAIA'23 – Kenitra & Laayoune, and ICBDAIA'25 – Kenitra; **ICBDAIA'26** will be published by Springer in (LNNS) series and therefore it is indexed in Scopus.

Continuing its mission to promote international collaboration and knowledge exchange in the rapidly evolving fields of Big Data and Artificial Intelligence, the conference provides a high-level platform for researchers, practitioners, and industry experts to exchange ideas, present cutting-edge research, and discuss emerging challenges and innovative solutions across diverse sectors such as cybersecurity, blockchain applications, the environment, agriculture, energy, medicine, education, and the economy.

General chairs



Prof. Jaime LLORET MAURI
Universitat Politècnica de Valencia,
Spain



Prof. Said TKATEK
Ibn Tofail University of kenitra,
Morocco

Keynote Speakers



Prof. Lorena PARRA
Universitat Politecnica de Madrid,
Spain



Prof. Sandra SENDRA
Universitat Politecnica de
Valencia, Spain



Prof. Jose J. LOPEZ
Universitat Politecnica de
Valencia, Spain



Prof. Mohamed ESSAIDI
Mohamed V University, Morocco



Dr. Mohamed MEDWANI
CEO of InnovatiCS - US

Main and Detailed conference program

Day 1: June 02nd, 2026

09h00 – 09h30

Reception and registration of participants

09h30 – 10h30

Official opening of the ICBDIA'26 Springer Conference

Auditoriums of the 3rd Floor, Red Cube (R1) and Yellow Cube (R2), 8E Building

Opening Speeches

Conference room 1 (R1)

- **José E. Capilla-Romá**, President of Universitat Politècnica de València, Spain
- **Mohamed Ebn Touhami**, President of Ibn Tofail University, Kenitra, Morocco
- **Said Drissi El Bouzaidi**, Consul General of the Kingdom of Morocco in Valencia, Spain
- **Karima Selmaoui**, International Relations, Ibn Tofail University, Kenitra, Morocco
- **Jaime Lloret Mauri**, Universitat Politècnica de València, Spain, General Chair of ICBDIA26
- **Said Tkatek**, Ibn Tofail University, Kenitra, Morocco, General chair of ICBDIA26

10h30 – 11h00

Break Coffee

11h00 - 13h30

Plenary session

Conference room 1 (R1)

Chairs:

- **Prof. Karima Selmaoui**, International Relations, Ibn Tofail University, Kenitra, Morocco
- **Prof. Bouchra Honnit**, Ibn Tofail University, Kenitra, Morocco
- **Prof. Jaime Lloret Mauri**, Universitat Politècnica de València, Spain
- **Prof. Said Tkatek**, Ibn Tofail University, Kenitra, Morocco

Speakers:

- **Prof. José J. Lopez**, Polytechnic University of Valencia, Spain
Theme: From Immersion to Precision: AI Sound Applications in 3D Audio and Industrial Sensing
- **Prof. Sandra Sendra**, Polytechnic University of Valencia, Spain
Theme: Agriculture 6.0: Cutting-Edge Technology Serving Farmers
- **Prof. Lorena Parra**, Polytechnic University of Valencia, Spain
Theme: Artificial Intelligence for Sustainable Agriculture and Gardening: Challenges and Opportunities in Data Driven Environmental Monitoring

13h30 – 14h30

Lunch

14h30 – 18h30

Parallel Oral sessions

14h30 – 16h30

Oral sessions

Conference room R1 & R2

Oral session 1 (R1):

Topics 1: Artificial Intelligence Applications: Healthcare, Agriculture, Economy, Education, Industry, Environment, Smart Cities, Energy, Climate Change, and Weather

Oral session 2 (R2):

Topics 2: Big Data Analytics and IoT Applications

Topic 3: Image Processing, NLP, IA Modelling Optimization, Cloud computing, Cybersecurity and others

16h00 – 16h30

Break Coffee

16h30 – 17h30

Oral sessions

Conference room R1 & R2

Oral session 3 (R1): **Topics 1**

Oral session 4 (R2): **Topics 2 & 3**

19h00

Gala Dinner & Best Paper Awards Trophy Ceremony

Day 2: June 03rd, 2026

09h30 – 11h30

Plenary Session

09h30 – 10h15

Room Conference (R1)

Speaker:

- **Prof. Mohamed ESSAIDI**, Mohamed V University, Morocco
Theme: Smart homes and cities

Chairs:

- **Prof. Sandra SENDRA**, Polytechnic University of Valencia, Spain
- **Prof. Bouchra HONNIT**, Faculty of Science, Ibn Tofail University, Kenitra, Morocco

10h15 – 10h30

Break Coffee

Plenary session
Conference room 1 (R1)

Speaker:

- **Prof. Mohamed MEDWANI**, CEO of InnovatiCS, US
Theme: Big Data, Generative AI and LLMs : Future of the Intelligent Automation

10h30 - 11h15

Chairs:

- **Prof. Youssef FAKHRI** Faculty of Science, Ibn Tofail University, Kenitra, Morocco
- **Prof. Hatim DEROUZ**, Faculty of Science, Ibn Tofail University, Kenitra, Morocco

11h30 – 13h30

Virtual oral session

Oral session 5: Topics 1

Oral session 6: Topics 1

Oral session 7: Topics 2 & 3

Oral session 8: Topics 2 & 3

13h30 – 14h30

Lunch

14h30 – 16h00

Virtual oral session

Oral session 9: Topics 1

Oral session 10: Topics 2 & 3

Oral session 11: Topics 2 & 3

Oral session 12: Topics 2 & 3

16h00 – 16h30

Break coffee

16h30 – 17h00

Closing of the ICBDIAIA'26 Springer Conference
Conference room (R1)

- **Jaime Lloret Mauri**, Universitat Politècnica de València, Spain, General Chair of ICBDIAIA26
- **Said Tkatek**, Ibn Tofail University, Kenitra, Morocco, General chair of ICBDIAIA26

17h00

Valencia City Excursion

Parallel Session Program

Day 1: June 02nd, 2026

Presential oral sessions

Session 1 – Room 1 (R1)

14h30 – 16h30	<p style="text-align: center;"><i>Topic 1</i></p> <p style="text-align: center;">Artificial Intelligence Applications: Healthcare, Agriculture, Economy, Environment, Education, Energy, Transport, Smart Cities</p> <p>Chairs:</p> <ul style="list-style-type: none"> – Prof. Sandra SENDRA, Polytechnic University of Valencia, Spain – Prof. Bouchra HONNIT, Faculty of Science, Ibn Tofail University, Kenitra, Morocco
PAPER ID 25	<p style="text-align: center;">Polya Katsamunska, and Silviya Georgieva University of National and World Economy, Sofia, Bulgaria</p> <p style="text-align: center;">" Innovative Approach in the Higher Education for Digitalization of the Economy and Application of Big Data: The Bulgarian Experience"</p>
PAPER ID 38	<p style="text-align: center;">Ralitsa Veleva University of National and World Economy, 1000 Sofia, Bulgaria</p> <p style="text-align: center;">" AI Readiness as a Governance Capacity Issue: A Long- Term Contextual Analysis of Public Administration in Bulgaria"</p>
PAPER ID 40	<p style="text-align: center;">Khaoula Chaoui El Ghor Ibn Zohr University, Higher School of Technology, Dakhla, Morocco</p> <p style="text-align: center;">" Artificial Intelligence Applications and Territorial Communication: Digital Transformation in the Casablanca Smart City Project"</p>
PAPER ID 43	<p style="text-align: center;">Luhar Prasadkumar Mukeshbhai and Pratik Patel University College Birmingham, Summer Row, Birmingham, Ukraine</p> <p style="text-align: center;">" Predictive Modelling of Crime Trends in the UK Using Machine Learning and Deep Learning Techniques"</p>
PAPER ID 44	<p style="text-align: center;">Ayoub Aberchoum, Khadija Louzaoui and Khalid Benlhachmi Ibn Tofail University, Computer Science Research Laboratory, Kenitra, Morocco</p> <p style="text-align: center;">" Comparative Analysis of Deep Learning Models for Multiclass Arrhythmia Classification in IoT Healthcare Applications"</p>
PAPER ID 45	<p style="text-align: center;">" DFE-MobileNet: A Dual Feature Enhancement Architecture for Plant Disease Classification"</p>
PAPER ID 50	<p style="text-align: center;">Zornitza Plamenova Mladenova Rudozem Municipality, Bulgaria</p> <p style="text-align: center;">" Digital transformation of education in the post-covid digital era in line with sdgs"</p>

PAPER ID 53	<p style="text-align: center;">Sanae Achsas ESTN, Mohammed First University, Oujda, Morocco " Leveraging Auto-Encoding Large Language Models for Adverse Drug Reaction Extraction from Biomedical Texts"</p>
PAPER ID 144	<p style="text-align: center;">Rubén Linares, Lorena Parra, Francisco José San José, and María del Pino Álvarez-Castellanos</p> <p style="text-align: center;">Universidad Politécnica de Madrid, Escuela Técnica Superior de Ingeniería Agronómica, Alimentaria y de Biosistemas. Department of Agricultural Production. Madrid, 28040, Spain</p> <p style="text-align: center;">"Reducing Sugar Content in Fresh Potatoes as a Predictor of Acrylamide Concentration in Fried Potatoes "</p>

Parallel Session Program

Day 1: June 02nd, 2026

Presential oral sessions

Session 2 – Room 2 (R2)

14h30 – 16h30	<p style="text-align: center;">Topic 2 Big Data Analytics and IoT Applications</p> <p style="text-align: center;">Topic 3 Image Processing, NLP, IA Modelling Optimization, Cloud computing, Cybersecurity, Cybersecurity and others</p> <p style="text-align: center;">Chairs:</p> <ul style="list-style-type: none">– Prof. Iman VALIZADEH, Polytechnic University of Valencia, Spain– Prof. Khaoula Chaoui El Ghor, Ibn Zohr University, Agadir, Morocco– Prof. Hatim DERROUZ, Ibn Tofail University, Kenitra, Morocco
PAPER ID 29	<p style="text-align: center;">Zine El Abidine El Mekkaoui and Hatim Benyoussef Ibn Tofail University, Kenitra, Morocco</p> <p style="text-align: center;">"Methodological Frameworks for Integrating Unstructured IoT Data into Marketing Analytics: A Systematic Literature Review"</p>
PAPER ID 32	<p style="text-align: center;">Krasimira Stefanova Valcheva University of national and world economy, Sofia 1700, Bulgaria</p> <p style="text-align: center;">"Data-intensive digital government and public employment restructuring in the EU"</p>
PAPER ID 51	<p style="text-align: center;">Rachid Dahmani, Fatehi ALtalqi and Mohammed Benammi Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco</p> <p style="text-align: center;">"Innovative Upgrades for Slums: Processing Remote Sensing Images using Convolutional Neural Networks in the commune of Sidi Taibi, in the suburbs of the city of Kenitra, in northwestern Morocco"</p>
PAPER ID 58	<p style="text-align: center;">Nathalia Orozco Morales, Zuleyma Londoño Sosa and Johan Sebastian Bermon Cardenas Corporación Universitaria Minuto de Dios (UNIMINUTO), Colombia</p> <p style="text-align: center;">"Data-Driven Analysis of Colombian Standardized Test Results Using PCA and K-Means Clustering"</p>
PAPER ID 63	<p style="text-align: center;">Khalil Boukri, Bouchra Honnit and Mohamed Nabil Saidi National Institute of Statistics and Applied Economy (INSEA), Rabat, Morocco</p> <p style="text-align: center;">"XDR-driven Incident Response Playbooks for Secure WBAN Environments"</p>
PAPER ID 81	<p style="text-align: center;">Ilyass Ben-faress, Lahcen Hassine, Afaf Bouhoute, Ahmed Zinedine, and Rachid Saadane Sidi Mohamed Ben Abdellah University, Fez, Morocco</p> <p style="text-align: center;">"Explainable AI for Transparent Air Accident Criticality Assessment"</p>

PAPER ID 94

Laamimach Mohamed, Lachhab Yasser, Mabrouk Aziz and Chaali Kaoutar
Faculty of Sciences, Abdelmalek Essaadi University, Tetouan, Morocco
"Modeling Road User Behavior Using Neural Networks: Prediction and
Management of Urban Congestion A Systematic Literature Review"

Parallel Session Program

Day 1: June 02nd, 2026

Presential oral sessions

Session 3 – Room 1 (R1)

16h30 – 18h30	Topic 1 Artificial Intelligence Applications: Healthcare, Agriculture, Economy, Environment, Education, Energy, Transport, Smart Cities Chairs: <ul style="list-style-type: none">– Prof. Iman VALIZADEH, Polytechnic University of Valencia, Spain– Prof. Bouchra HONNIT, Ibn Tofail University, Kenitra, Morocco– Prof. Youssef FAKHRI, Ibn Tofail University, Kenitra, Morocco
PAPER ID 5	Islem Sahli , Samira Lafraxo , Lahcen Koutti and Mohamed El Ansari Eötvös Loránd University, Hungary. " An Imbalanced Learning Approach to Predicting Vehicle Insurance Interest"
PAPER ID 67	Manal Lafraxo , Farid Eyvazov , Zakarya Farou and Balint Molna Faculty of Science, Ibn Zohr University, Agadir, Morocco. " DM-UNet: Dense-Mamba U-Net with Pyramid Context Modeling for Skin Lesion Segmentation"
PAPER ID 69	Imane Bahammou , Soumia Ziti, and Karim El Bouchti Faculty of Science, Mohammed V University in Rabat, Morocco " Bibliometric Analysis of Large Language Models in Fundamental Analysis for Trading Decisions: Trends, Networks, and Research Gaps"
PAPER ID 87	Ali Ahmad , Francesco Di Gioia , Sandra Sendra and Jaime Lloret Universitat Politècnica de València, Spain " AI-Driven Multi-Target Regression for Tomato Quality from RGB Images"
PAPER ID 96	Badr Zeroual and Said Tkatek Ibn Tofail University of Kenitra, Kenitra, Morocco " Impact of Artificial Intelligence and Internet of Things on Precision Agriculture: A Big Data–Driven Perspective"
PAPER ID 103	Ali Ahmad , Vinie Lee Silva-Alvarado , Sandra Sendra, and Jaime Lloret Universitat Politècnica de València, Valencia, Spain " Multi-Tier Network Architecture for Real-Time Cocoa Pathology Estimation through Lightweight Deep Learning"
PAPER ID 146	Victor Kravets , Mykhailo Kapitsa , Olexandr Kryachko , Tetiana Hryshechkina and Volodymyr Kravets Ukrainian State University of Science and Technologies, Dnipro, Ukraine " Analytical modeling of Markov processes in complex infrastructure systems of railway transport with energy-efficient technologies"

PAPER ID 152	" Streaming CTR Prediction for Cross Border Tourism Advertising Ahead of the 2030 FIFA World Cup"
PAPER ID 162	Adelina Konstantinova Hadzhiyska University of national and world economy, Sofia,Bulgaria " Smart contracts in Bulgaria"

Parallel Session Program

Day 1: June 02nd, 2026

Presential oral sessions

Session 4 – Room 2 (R2)

16h30 - 18h30	
Topics 2 & 3	
	Chairs: <ul style="list-style-type: none">– Prof. Iman VALIZADEH, Polytechnic University of Valencia, Spain– Prof. Abdeslam EL MOUDDEN, Ibn Tofail University, Kenitra, Morocco– Prof. Hatim DERROUZ, Ibn Tofail University, Kenitra, Morocco
PAPER ID 106	Magnus Johnsson , Zeinab Shahbazi, Reihaneh Tarlani and Fredrik Frisk Kristianstad University, Sweden " Patch-Shared Hierarchical SOM for Unsupervised Image Classification"
PAPER ID 124	Youssef Hanyfe , Hassan SILKAN and Mehdi BOUTAOUNTE Ibnou Zohr University, Dakhla, Morocco " Low-cost missing data imputation of large-scale datasets for efficient machine"
PAPER ID 129	Kian Jazayeri , Ahmet Adalier, and Damla Karagozlu International University, Nicosia, Cyprus " Deciphering Restaurant Customer Satisfaction Drivers in Tourism: A Comparative Machine Learning and Explainable AI Perspective"
PAPER ID 132	Amine Arhandou , Mohamed-Yassir Nour and Abdellah Lamnii Abdelmalek Essaadi University, Tétouan, Morocco " Adaptive non-uniform trigonometric subdivision scheme via prediction of tension parameters based on machine learning"
PAPER ID 153	Imane Lmati Faculty of Sciences and Techniques, Hassan 1st University, Settat, Morocco " AI-based vs. formal approaches for bug detection and code refactoring: A Comparative Survey"
PAPER ID 174	Kaoutar Saidi Alaoui , Siraj Younes and Foshi Jaouad EST Dakhla, Ibn Zohr University, Morocco " AI-Assisted H-Shaped Terahertz Patch Antenna with Metamaterials for Biomedical Applications"
PAPER ID 175	Fairouz Abou Mouslime , Mohammed Fikri and Abdelali Ezziadi Hassan 1st University, Faculty of Economics and Management, Settat, Morocco " The impact of Fintech and digital transformation on the growth of financial services: A Bibliometric and Systematic literature review"
PAPER ID 154	Marouane Aoufi and Adil El Makrani

PAPER ID 155	<p style="text-align: center;">Mouhcin El Youbi and Mouhamed Amnai Faculty of Sciences, Ibn Tofail University, Kenitra, Morocco " AI-Powered Drought Early Warning in Morocco: Toward Operational Integration"</p>
PAPER ID 158	<p style="text-align: center;">Shubhangi Kachhawa, Atul K. Desai and Gautam Panwala Sardar Vallabhbhai National Institute of Technology, Gujarat, India " Multi-Objective Parameter Identification of Offshore Jacket Structures Using Sensor- Constrained Response Metrics"</p>

Parallel Session Program

Day 2: June 03rd, 2026

Presential oral sessions

Session 5 (Virtual sessions)

Topic 1	
11h30 – 13h30	Chairs: <ul style="list-style-type: none">– Prof. Sandra SENDRA, Polytechnic University of Valencia, Spain– Prof. Bouchra HONNIT, Ibn Tofail University, Kenitra, Morocco– Prof. Abdoun Otman, Abdelmalek Essaadi,, Morocco
PAPER ID 30	Joseph Kojo Asampanbilla , Wellington Amponsah, Michael Hormenu, Gabriel Fredrick Anyane-Lah Amponsah, Philomena Annanse and Patrick Acheampong Ghana Communication Technology University, Ghana " Detecting Anomalies in National Health Insurance Claims in Ghana using Hybrid AI and Immutable Ledger Technology."
PAPER ID 37	HAFIDI Kawthar and EL ANDALOUSSI Zineb NSBM, Abdelmalek Essaâdi University, Tangier, Morocco " Between Convenience and Control: Gendered Privacy Concerns in GenZ's Online Flight Booking"
PAPER ID 49	Khalid Tizra , Ibrahim Raouyane, Abdelkrim Saouabe, and Doha Banoui University Hassan II, Casablanca, Morocco " Localization Techniques in Underwater Wireless Sensor Networks: From Fixed to AI-based Techniques"
PAPER ID 56	Hind Bouslama Faculty of Sciences of Kénitra, Ibn Tofail University, Morocco " Artificial Intelligence Approaches for Software Testing Improvement: Comparative Analysis of Holistic Frameworks, Specialized Algorithms, and Large Language Models"
PAPER ID 59	Md Al Fassi , Siam Abdullah, Zulkar Nain, K.M. Salman-Al-Mamun, Efaz Kabir, Md Rifadul Islam, Sanchayan Barua and Mithila Arman Al Akhawayn University University in Ifrane, Morocco. " Teaching Machines to Feel Faster: DistilBERT for Eleven-Way Emotion Classification"
PAPER ID 52	Ioana-Gabriela Adam University of Alexandru Ioan Cuza, Iasi " Leveraging Generative Artificial Intelligence in IT Project Management: A Qualitative Analysis of Practitioners and Academics Perspectives"
PAPER ID 57	Oumaima Bensar and Khalid Choug dali ENSA, Ibn Tofail University, Kenitra, Morocco " Adversarial Robustness of Machine Learning Models for IoT Network Security"

PAPER ID 68

Imane Asli and Habiba Bensassi
Encg Settat, Hassan 1st University, Settat, Morocco
" Trust and Credibility in Virtual Influencer Research: A Systematic Literature Review"

Online Session Link: <https://meet.google.com/rek-kjki-goo>

Parallel Session Program

Day 2: June 03rd, 2026

Virtual oral sessions

Session 6 (Virtual sessions)

11h30 – 13h30	Topic 1 Chairs: <ul style="list-style-type: none">– Prof. Abdeslam EL MOUDDEN, Ibn Tofail University, Kenitra, Morocco– Prof. Akram CHHAYBI, Ibn Tofail University, Kenitra, Morocco– Prof. Adil EL MAKRANI, Ibn Tofail University, Morocco
PAPER ID 13	Milind Cherukuri University of the Cumberland,USA " Conversational AI: A Game-Based Approach to Situated Dialogue Modeling"
PAPER ID 48	Hamza ETTAKIFI and Said TKATEK Laboratory Computer Science Research, Ibn Tofail University, Kenitra, Morocco " Comprehensive Comparative Study of Hybrid Neural Network and Metaheuristic Models for Brain Tumor Prediction"
PAPER ID 57	Oumaima Bensar and Khalid Chougali ENSA, Ibn Tofail University, Morocco " Adversarial Robustness of Machine Learning Models for IoT Network Security"
PAPER ID 83	Fettouma Slaitan Mohamed V University, Morocco " Reframing Educational Leadership in the Age of Artificial Intelligence: Insights from Moroccan Higher Education"
PAPER ID 95	Lachhab Yasser , Laamimach Mohamed, Kaoutar Chaali, and Mabrouk Aziz Faculty of Legal, Economic, and Social Sciences of Tetouan, Morocco " Artificial Intelligence and Economic Development: A Systematic Review and Bibliometric Analysis."
PAPER ID 147	Mohammed BIJOU , Ibrahim ALLALI and Lahboub ZOUIRI Faculty of Legal, Economic and Social Sciences, Mohammed V University - Agdal, Morocco. " A Generalized Random Forest for Morocco's PISA 2022 Microdata: case of Adolescent Paid Work Academic Effects"
PAPER ID 151	Aymen FANNOUCH , Jihane GHARIB and Youssef GAHI Laboratory of Engineering Science, Ibn Tofail University Kenitra, Morocco " Agentic Governed DataOps: An AI-Agent Control Plane for Evidence-Based Trust Gates in Medallion Lakehouse Pipelines"

Online Session Link : <https://meet.google.com/pkc-pkec-bku>

Parallel Session Program

Day 2: June 03rd, 2026

Virtual oral sessions

Session 7 (Virtual sessions)

11h30 – 13h30	Topic 2 & 3 Chairs: <ul style="list-style-type: none">– Prof. Hajar FILALI, Ibn Tofail University, Kenitra, Morocco– Prof. Youssef FAKHRI, Ibn Tofail University, Kenitra, Morocco
PAPER ID 7	Morariu Tudor " LeHd: Light Encoder Heavy Decoder CNN Architecture for Dynamic Video Streaming" AIIS Research Group, Romania
PAPER ID 13	Milind Cherukuri University of the Cumberlands, USA " Conversational AI: A Game-Based Approach to Situated Dialogue Modeling"
PAPER ID 20	Kamal Id Ahmed , Bouchra HONNIT and Youssef FAKHRI Faculty of Science, Ibn Tofail University, Morocco " Leveraging Big Data Analytics and Artificial Intelligence for Enhancing Cybersecurity in Converged IT/OT Environments: Attack Surfaces in SCADA Networks and AI-Driven Reduction Strategies"
PAPER ID 21	Youssef Mathouri , Korchiyne Redouan, Younes Chihab Faculty of Sciences Ibn Tofail University, Kenitra, Morocco. " A Transformer-Based Approach for Depression Detection via Contextual Analysis: Integrating Social Media Texts and Questionnaire Data."
PAPER ID 28	Abdelkrim SAOUABE , Said TKATEK, Khalid TIZRA and Doha BANOU AKKODIS Research, Paris, France. " Generative AI for Semantic Image Indexing and Retrieval"
PAPER ID 31	Joseph Kojo Asampanbilla , Dzordzoe Woerlorm Koffie-Ocloo, Thomas Henaku, Frederick Asabere, Edward Ofei Amoako, Elizabeth Edem Nayo and Ernest Kwadwo Asabere Ghana Communication Technology University, Ghana " Lightweight Cryptography for Securing mHealth Diagnostics in Low-Bandwidth Regions of Northern Ghana."
PAPER ID 35	Hrimech Jamal , Mghari Mohammed and Zaz Youssef Faculty of Sciences, Abdelmalek Essaâdi University, Tetouan, Morocco " Benchmarking Multilingual Embedding Models for Semantic Retrieval in the Arabic Legal Domain"

PAPER ID 124	Youssef Hanyfe , Hassan SILKAN and Mehdi BOUTAOUNTE Ibnou Zohr University, Dakhla, Morocco " Low-cost missing data imputation of large-scale datasets for efficient machine"
PAPER ID 141	Raoua Zerrad , Akram Chhaybi ,Meriem Hayani Mechkouri, Naoufal Sefiani Faculty of Sciences and Techniques, Abdelmalek Essaâdi University, Tangier, Morocco " Smart Maintenance for Cyber-Physical Stamping Machines: Shaping the Future in Industry 4.0"

Online Session Link : <https://meet.google.com/oad-taqi-sju>

Parallel Session Program

Day 2: June 03rd, 2026

Virtual oral sessions

Session 8 (Virtual sessions)

11h30 – 13h30	Topic 2 & 3 Chairs: <ul style="list-style-type: none">– Prof. Iman Valizadeh, Universitat Politècnica de Valencia, Spain– Prof. Hatim DERROUZ, Ibn Tofail University, Kenitra, Morocco– Prof. Mohamed AMNAI, Ibn Tofail University, Morocco
PAPER ID 39	Abderrahman Laabidi , Said Tkatek and Mohammed Ouhssine Faculty of Sciences, IbnTofail University, Kenitra, Morocco " Explainable Artificial Intelligence for Multidimensional Obesity Risk Prediction in Adults Aged 18 to 60 Incorporating Socioeconomic, Psychological, and Health Factors"
PAPER ID 46	Oussama Glti , Asmae Barbouchi, Mohammed Igouzal Ibn Tofail University, Kénitra, Morocco " A Fairness-Aware Hybrid Metaheuristic Framework for Pattern-Free Heliostat Layout Optimization"
PAPER ID 48	Hamza ETTAKIFI and Said TKATEK Ibn Tofail University, Kenitra, Morocco " Comprehensive Comparative Study of Hybrid Neural Network and Metaheuristic Models for Brain Tumor Prediction"
PAPER ID 60	Md Al Fassi , Zawad Rami , Hosam Shatnawi , M. A. Chowdhury , Iftekharul Islam , Mohammad Kasedullah , Abdullah Rakib Akand , Maisha Farzana ,and Mithila Arman Al Akhawayn University University in Ifrane, Morocco. " Semantic Disentanglement in Short-Text Misinformation Detection: A Comparative Study of Transformers versus Classical Vectorization"
PAPER ID 66	Doha BANOUJ , Abdelmajid BOUSSELHAM, Mohammed MESTARI, Abdelkrim SAOUABE and Khalid TIZRA ENSET Mohammedia, Hassan II University of Casablanca, Morocco. " The Hidden Dependencies in Airport Operations: A Comprehensive Analysis of Cascading Challenges"
PAPER ID 71	OURIACHI Nisrine and KAMARY Nissrine Mohammed First University, Oujda, Morocco " Towards New Competencies of Internal Auditors in the Era of Digital Transformation and RPA: A Systematic Literature Review"
PAPER ID 74	Abderrazzak BENMOUJANE , Hafsa ELKOUMIKHI, Abdellah MADANI And Mohamed KISSI Chouaib Doukkali University, Faculty of Sciences, El Jadida, Morocco. National School of Business and Management, Mohammed First University, Oujda,

<p>PAPER ID 129</p>	<p>Kian Jazayeri , Ahmet Adalier , and Damla Karagozlu International University, Nicosia, Cyprus</p> <p>” Deciphering Restaurant Customer Satisfaction Drivers in Tourism: A Comparative Machine Learning and Explainable AI Perspective”</p> <p>” Enhancing Attention-Based AI Systems with Fuzzy Logic and Knowledge Graphs: A Survey”</p>
<p>PAPER ID 170</p>	<p>Nitin Sikri MJP Rohilkhand University (MJPRU) USA</p> <p>” Constraint-Aware Workforce Allocation Using Hybrid Optimization and Participatory AI: A Framework for Dynamic Nurse Scheduling in High-Demand Healthcare Settings”</p>
<p>PAPER ID 175</p>	<p>Fairouz Abou Mouslime, Mohammed Fikri and Abdelali Ezziadi Hassan 1st University, Faculty of Economics and Management, Settat, Morocco</p> <p>” The impact of Fintech and digital transformation on the growth of financial services: A Bibliometric and Systematic literature review”</p>

Online Session Link : <https://meet.google.com/qmu-quha-zde>

Parallel Session Program

Day 2: June 03rd, 2026

Virtual oral sessions

Session 9 (Virtual sessions)

14h30 – 16h00	Topic 1 Chairs: <ul style="list-style-type: none">– Prof. Sandra SENDRA, Universitat Politècnica de Valencia, Spain– Prof. Bouchra HONNIT, Ibn Tofail University, Kenitra, Morocco– Prof. Adil EL MAKRANI, Ibn Tofail University, Morocco, Morocco
PAPER ID 69	Imane Bahammou , Soumia Ziti, and Karim El Bouchti Faculty of Science, Mohammed V University in Rabat, Morocco "Bibliometric Analysis of Large Language Models in Fundamental Analysis for Trading Decisions: Trends, Networks, and Research Gaps"
PAPER ID 73	Hafsa ELKOUMIKHI , Abderrazzak BENMOUJANE, Abdellah MADANI and Moulay Driss EL OUADGHIRI Chouaib Doukkali University, Faculty of Sciences, El Jadida, Morocco. "AI-Powered Healthcare Knowledge Graphs: A Comprehensive Survey of LLM-Based Extraction and GNN-Based Reasoning"
PAPER ID 76	Girish Chanda Sreenidhi Institute of Science and Technology, India "Cloud-True Ordered Replication Without Multicast"
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PAPER ID 169	<p>Nitin Sikri MJP Rohilkhand University (MJPRU) USA " AI-Orchestrated Clinical Workforce Management for Surge Periods: A Machine Learning Framework for Recruitment, Scheduling, and Dynamic Staffing"</p>

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Parallel Session Program

Day 2: June 03rd, 2026

Virtual oral sessions

Session 10 (Virtual sessions)

14h30 – 16h00	<i>Topic 2 & 3</i> Chairs: <ul style="list-style-type: none">– Prof. Akram CHRAYBI, Ibn Tofail University, Kenitra, Morocco– Prof. Hajar FILALI, Ibn Tofail University, Kenitra, Morocco
PAPER ID 36	Salma Laghbissi and Abderrahmane Laraqui ESTK, Ibn Tofail University, Kenitra, Morocco " A Comparative Study of Transformer Models Applied to Object Detection"
PAPER ID 58	Nathalia Orozco Morales , Zuleyma Londoño Sosa and Johan Sebastian Bermon Cardenas Corporación Universitaria Minuto de Dios (UNIMINUTO), Colombia " Data-Driven Analysis of Colombian Standardized Test Results Using PCA and K-Means Clustering"
PAPER ID 80	Hajar Bengueddour , Mouna Meftahi and Said Tkatek University Ibn Tofail, Kénitra, Morocco " Beyond Passive Design: A Physics-Informed Big Data Framework for Adaptive Energy Autonomy in Moroccan Smart Buildings"
PAPER ID 94	Laamimach Mohamed , Lachhab Yasser, Mabrouk Aziz and Chaali Kaoutar Faculty of Sciences, Abdelmalek Essaadi University, Tetouan, Morocco " Modeling Road User Behavior Using Neural Networks: Prediction and Management of Urban Congestion A Systematic Literature Review"
PAPER ID 111	Mohamed DANI , Zakariae EN-NAIMANI and Khalid HADDOUCH ENSA University of Sidi Mohamed Ben Abdellah, Fez, Morocco. " Hybrid Kolmogorov-Arnold networks with attention mechanisms for learning interpretable hierarchical representations"
PAPER ID 114	Karim ELalkaoui , Safaa Moqqaddem and Mounir Ait Kerroum Faculty of Science, Ibn Tofail University, Kenitra, Morocco " Predicting Bubbles in the Moroccan Stock Market (MASI): An AI Approach"
PAPER ID 126	Chaymaa Elharti , Salma Laghbissi, Soufia El Asri, and Abderrahmane Laraqui ESTK, Ibn Tofail University, Kenitra, Morocco " Hybrid Edge Detection and Feature Matching Approach for Image Mosaic Reconstruction"
PAPER ID 138	Khalid Bayla and Badr Elkhaldi Sidi Mohamed Ben Abdellah University, Fez, Morocco " Big Data for Social Welfare: Algorithmic Architecture and Implementation Challenges of Morocco's Unified Social Registry (RSU)"

PAPER ID 171	<p style="text-align: center;">Nitin Sikri MJP Rohilkhand University (MJPRU) USA " Multi-Tier Cloud Storage Attestation: A Hierarchical Verification Architecture for Distributed Cloud Integrity"</p>
PAPER ID 178	<p style="text-align: center;">Karunyan V T, Jerome J S, Dr. Vijayalakshmi J Department of Artificial Intelligence and Data Science, St. Joseph's College of Engineering, Chennai, India " A Region-Aware Weighted Voting Framework for Interpretable Diabetic Retinopathy Severity Classification"</p>

Online Session Link : <https://meet.google.com/fvs-yjhi-adp>

Parallel Session Program

Day 2: June 03rd, 2026

Virtual oral sessions

Session 11 (Virtual sessions)

14h30 – 16h00	Topic 2 & 3 Chairs: <ul style="list-style-type: none">– Prof. Hatim DERROUZ, Ibn Tofail University, Kenitra, Morocco– Prof. Iman Valizadeh, Universitat Politècnica de Valencia, Spain– Prof. Mohamed AMNAI, Ibn Tofail University, Kenitra, Morocco
PAPER ID 136	Hajar El janah , Youness Nachid-Idrissi, Mourad Sarrouti and Said Najah FSK, Sidi Mohamed Ben Abdellah University, Fez, Morocco " Insights from the LLaMA Family: Can In-Context Learning Narrow the Performance Gap in Biomedical Relation Extraction?"
PAPER ID 138	Khalid Bayla and Badr Elkhaldi Sidi Mohamed Ben Abdellah University, Fez, Morocco " Big Data for Social Welfare: Algorithmic Architecture and Implementation Challenges of Morocco's Unified Social Registry (RSU)"
PAPER ID 142	Bilal Azdine , Tariq Rachid ,EL KABBOURI Mounim ,ABARDA Abdallah and KAMAL Marouane National School of Business and Management, Hassan First University of Settat, Morocco " Multimodal Deep Learning for Stock Price Forecasting: Integrating FinBERT Sentiment Analysis with Technical Indicators"
PAPER ID 147	Mohammed BIJOU , Ibrahim ALLALI and Lahboub ZOUIRI Faculty of Legal, Economic and Social Sciences, Agdal, Mohammed V University of Rabat, Morocco " A Generalized Random Forest for Morocco's PISA 2022 Microdata: case of Adolescent Paid Work Academic Effects"
PAPER ID 150	Fath Mounassif , Youssef Balouki, Yasser Rifay and Imane Lmati Hassan 1st University, Faculty of Sciences and Techniques, Settat, Morocco " Big Data Analytics for Keratoconus Progression: A Longitudinal Study in the Moroccan Population"
PAPER ID 179	Dilorom Khamidova and Safarmuhammad Kurbonov Lomonosov Moscow State University in Dushanbe, Tajikistan " Scaffold-aware benchmarking of lightweight molecular representations for pic50 prediction of egfr inhibitors"

PAPER ID 180

Abdessamad Badouch, Kaoutar Belhoucine and Salah Eddine
KRIT Faculty of Sciences, Ibn Zohr University, Agadir, Morocco.
" AI-Driven PM2.5 Forecasting on IoT Smart City Networks: A Reproducible
Benchmark on Graph Spatial Encoding Redundancy"

Online Session Link : <https://meet.google.com/vfq-ejsa-iji>

Parallel Session Program

Day 2: June 03rd, 2026

Virtual oral sessions

Session 12 (Virtual sessions)

14h30 – 16h00	<i>Topic 2 & 3</i> Chairs: <ul style="list-style-type: none">– Prof. Khalid CHOUGDALI, Ibn Tofail University, Kenitra, Morocco– Prof. Youssef FAKHRI, Ibn Tofail University, Kenitra, Morocco
PAPER ID 33	Girish Chanda Sreenidhi Institute of Science and Technology,India " Learning Hidden Dynamics from Sparse Traces: Planning- Centric Action Model Induction"
PAPER ID 86	Nitin Sikri MJP Rohilkhand University (MJPRU) USA "Elastic Cloud Infrastructure for Massive-Scale Geospatial Vector Data Management"
PAPER ID 131	Indu Singh , Ayush Gupta, Hardik Garg and Gautam Delhi Technological University, Delhi, India " Meta-Optimized Multimodal Finger Vein-Knuckle Recognition Using MSAF-Net and DenseNet"
PAPER ID 142	Bilal Azdine , Tariq Rachid ,EL KABBOURI Mounim ,ABARDA Abdallah and KAMAL Marouane National School of Business and Management, Hassan First University of Settat, Morocco " Multimodal Deep Learning for Stock Price Forecasting: Integrating FinBERT Sentiment Analysis with Technical Indicators"
PAPER ID 150	Fath Mounassif , Youssef Balouki, Yasser Rifay and Imane Lmati Hassan 1st University of Settat, Faculty of Sciences and Techniques, Settat, Morocco " Big Data Analytics for Keratoconus Progression:A Longitudinal Study in the Moroccan Population"
PAPER ID 151	Aymen FANNOUCH , Jihane GHARIB and Youssef GAHI Ibn Tofail University Kenitra, Morocco " Agentic Governed DataOps: An AI-Agent Control Plane for Evidence-Based Trust Gates in Medallion Lakehouse Pipelines"
PAPER ID 168	Nitin Sikri MJP Rohilkhand University (MJPRU) USA " A Network-Centric Framework for Evaluating Team Dynamics: From Sports to Organizational Success"

PAPER ID 175	<p>Fairouz Abou Mouslime, Mohammed Fikri and Abdelali Ezziadi Hassan 1st University, Faculty of Economics and Management, Settat, Morocco</p> <p>" The impact of Fintech and digital transformation on the growth of financial services: A Bibliometric and Systematic literature review"</p>
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PAPER ID 180	<p>Abdessamad Badouch, Kaoutar Belhoucine and Salah Eddine KRIT Faculty of Sciences, Ibn Zohr University, Agadir, Morocco, <i>"AI-Driven PM2.5 Forecasting on IoT Smart City Networks: A Reproducible Benchmark on Graph Spatial Encoding Redundancy"</i></p>
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