



ONLINE SESSIONS



AI2SD'2025

Annual Global Summit

7th Edition

Le 19/07/2025 :

Session 1 et Session 2 : (10 h to 12h)
Session 3 et Session 4 : (14h to 16h)
Session 5 : (18h to 20h)

Le 20/07/2025 :

Session 6 et Session 7 : (10 h to 12h)
Session 8 et Session 9 : (14h to 16h)
Session 10 : (18h to 20h)

Le 26/07/2025 :

Session 11 et Session 12 : (10 h to 12h)
Session 13 et Session 14 : (14h to 16h)
Session 15 : (18h to 20h)

Le 27/07/2025 :

Session 16 et Session 17 : (10 h to 12h)
Session 18 et Session 19 : (14h to 16h)
Session 20 : (18h to 20h)





Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Industry 4.0 & Economic Revolution

PARALLEL SESSION 1:

Date: 19 July 2025 10H – 12H Link:		SESSIONCHAIRS: Prof Charaf Eddine Ait Zaouiat, Prof Jalil Baddaoui
ID	Corresponding Author	Title
636799	Kaoutar MOUSSAS, BOULKHIR LAYLA	Artificial Intelligence and Hospitality Resilience: An ARDL Analysis of Crisis Impacts on Financial Performance in Marrakech's Hotel
643177	Fatima Zahraa Grine, Oulaid Kamach	The Impact of Industry 4.0 Tools on Overall Equipment Effectiveness improvement
636768	El Hassak Imad, Mounir Soufyane, and Maleh Yassin	Improving CPS Systems Network Layer Security by Combining PCA and AE for Advanced Threat Detection and Mitigation
643164	Nada BADDYOU, DADDA Afaf, RZINE Bouchra, and HMAMED Hala	Enhancing Predictive Maintenance with Dual-LSTM Modeling: A Real-World Case Study in an Industrial system
647523	Mohamed Boukhelif, Nassim Kharmoum, Mohamed Hanine	Natural Language to OCL: Leveraging LLMs for Formal Constraint Extraction from Software Requirements
642731	Maha BENJELLOUN, Afaf DADDA, Hala HMAMED, and Bouchra RZINE	Investigation and categorization of challenges when adopting Industry 4.0 technologies within Lean Six Sigma practices
636786	ZYANE Abdellah, JAMIRI Hamza	Adversarial Data Injection Attacks on AI-Based Anomaly Detection in OneM2M Common Service Entity
643439	Sanaa Boumndidel	A study on some positive operators on Banach lattices
643326	Kaoutar TEBBAA, Yassine MALEH, and Mustapha BELAISSAOUI	Enhancing Intrusion Detection in IIoT Environments: Comparative Analysis of Batch and Online Learning Techniques
631581	Chaimae Adadi, Hakim Jebari, Naoufal Sefiani	Integrating AI into the 8D Framework: Advancing Problem-Solving for Quality Assurance
643642	Rania GOUBA, Rachida AALLALI	Organizational Justice as a Lever for Work Engagement: An Empirical Study
643615	Yousra Hamoumi, Abdeslam Taleb, Abdessalam Ouallali, Amine Sarhrani, Mohammed Idrissi	Bibliometric analysis of climate change impact on hydro-sediment behaviors in coastal areas: trends and challenges



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Industry 4.0 & Economic Revolution

PARALLEL SESSION 2:

Date: 19 July 2025 10H – 12H Link:		SESSIONCHAIRS: Prof Fatima Zahraa Grine, Prof El Youssefi Yassine
ID	Corresponding Author	Title
636353	AHSAIN Sara, LOUZAR Oumaima, EL YUSUFI Yasyn, and AIT KBIR M'hamed	Enhancing Digital Marketing with AI: A Machine Learning approach to identify fake reviews on Amazon
643373	Adiba EL FADL, Chaimae EL-YAZAMI, Majid MOUHIB, and Seddik BRI	Arrival Direction of Intelligent Smart Antenna
643505	Najoua El-khabli, Yassine Zahidi, Mohamed El Moufid, Fouad Moutaouakkil, and Hicham Medromi	Smart and Adaptive Control Systems for User-Centered Wheelchair Mobility
637008	Kamal Najwa, Dachry Wafaa, Gziri Hassan	Digital transformation and sustainability challenges in the era of industry 4.0
643339	Bassma Zainabi, Yassine Maleh, and Mustapha Belaissaoui	Understanding Customer Behavior Towards Chatbot Adoption: A Comprehensive Literature Review and Analysis
643161	Raja Farah, Issam Qaffou	Machine Learning-Based Framework for Identifying Influential Nodes in Complex Networks: A Random Forest Approach
636757	Soukaina BAKKASS, Naoual SEMLALI AOURAGH HASSANI, Mohammed Karim BEN HACHMI	Optimizing Industrial Environmental Performance through the Integration of Advanced Technologies in Environmental Management Systems ISO 14001: Perspectives and Challenges
636849	Said Naciri, Aicha El Alaoui	Unleashing Digital Transformation in Morocco: The Pivotal Role of Governance and Digital Strategy
631477	Amina Eljyidi, Hakim Jebari, Kamal Reklaoui	Coordinating Maintenance and Production for Operational Excellence
631483	Amina Eljyidi, Hakim Jebari, Kamal Reklaoui	Joint Optimization of Maintenance 4.0 and Production via Hybrid Metaheuristics
643632	Meryeme Adib and Taoufik El Bouzekri El Idrissi	Reaching Sustainability through Digitalization: A Management Control Perspective
643318	Elmisaoui Safae, John Redford, Hafid Fikri, and Jean Michel Ghidaglia	Integrating Metamodeling with High-Performance Computing to Enhance Large-Scale CFD Simulations
643322	Safae Elmisaoui, John Redford, Fikri Hafid and Jean-Michel Ghidaglia	Exploring FSI modeling approach on Multi-Mode Behavior in Full-Span Conductors



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PARALLEL SESSION 3:

Date: 19 July 2025 14H – 16H Link:		SESSIONCHAIRS: Prof Siham Rekiek, Prof Ahmed Bentajer
ID	Corresponding Author	Title
636514	ET-TOUSY Jamal, ZYANE Abdellah	Machine Learning and Virtualization Approach for Detecting DDoS Attacks in OneM2M IoT Standard with QoS Impact Analysis
632172	Elhoucine Boukraicha	Adoption du Télétravail au Maroc : Analyse des Déterminants par les Systèmes Intelligents et Perspectives de Durabilité
639060	Mohammed Amine CHAFIK, Faouzi BOUSSEDRA, Adda BENSLIMANE, & Julio LOBÃO	Evaluating Genetic Algorithm Portfolio Optimization: Evidence from the Moroccan MSI20 Index
643648	Otmene KHTOU, Taoufyq Elansari, Mohamed Ouanan	Case Study on Industry 5.0 in Supply Chain Management: Enhancing Efficiency, Visibility, and Responsiveness for Sustainable Durability
643525	Anass Naqqad, Rachid Habachi, and Abdellah Boulal	Machine Learning for Cyber Defense in Smart Grids: Recent Advances
643436	Benriyene salwa, Alaoui ismaili bahia, Bakkali soumia	Inspiration Labs in Companies: An Innovative Lever for Skills Development in the Era of Industry 4.0
636823	Yousra Lotfi, Mohamed Sadik	A Review on Blockchain Integration for Securing Cloud Computing
636713	OUASSAL Laila	Managing Artificial Intelligence in Business Organizations
636620	Fouzia Alloul, and El Mehdi Ferrouhi	Does Temperature Anomaly Still Affect Stock Market Returns? New Evidence from 24 Emerging Markets
636815	Abdelhay Hassani Allaf, M'hamed Aït Kbir	AI-Powered Digital Watermarking for Early Fake News Detection and Proactive Mitigation in Online Media
643649	Rajaa CHAKOUR, Abdelilah CHELKHA, Maha REZZAI, Hassan GZIRI, Wafaa DACHRY	Risk Management in Digital Transformation Context
643635	Abdelmounaïme DACHRY, Sawsane SAIDI, Maha REZZAI, Najat MESSAOUDI, Wafaa DACHRY	Critical Success Factors for Supply Chain with PESTEL Analysis
649298	CHRIT Salma, IMGHARENE Kawtar	Enhancing Project Evaluation Through AI-Driven Methods: A Modern Approach to Project Management



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PARALLEL SESSION 4:

Date: 19 July 2025 14H – 16H Link:		SESSIONCHAIRS: Prof Hamid Aksasse, Prof Salma Chrit
ID	Corresponding Author	Title
642354	Chaymae TARAA, Latifa EZZINE and Haj ELMOUSSAMI	Towards a Lean Manufacturing Supply Chain: Integrating Quality Defect Prediction into Production Planning
642422	Maryam EL MOUDDEN, Jihane ABDESSADAK, Hanane HADDAD, Bilal EL ALLAOUI and Fatima ANAAM	The impact of Artificial intelligence (AI) on organizational innovation: A Literature Review
643645	IMGHARENE Kawtar,	AI-Enhanced Enterprise Architecture: A Framework for Agile Transformation
642452	Hanane HADDAD, Maryam EL MOUDDEN, and Jihane ABDESSADAK	Artificial Intelligence Contributions to Risk Management in Public Organizations: An Exploratory Study
636797	Somia Ghrara, Ouardia Touicher, Elmorchid brahim, and Mohamed Loulid	Fiscalité et intention entrepreneuriale dans le secteur du BTP : Éclairages à partir du contexte marocain
636502	Oumaima Louzar, Sara Ahsain, Ouafae Baida, and Abdelouahid Lyhyaoui	Detecting Fake News on Twitter Using PCA and LSTM Algorithms
636683	Cherkaoui Abdelhai, Ezziyani Mostafa	Optimization of time series by signal extraction methods with application to monetary data analysis and anti-cyclical economic public policy
655734	Abdelhamid Melehi	Combating Artificial Intelligence and Information System Crimes in Moroccan and Comparative Criminal Legislation.
643330	Zraiate Hajar, Nassim Kharmoum, Soumia Ziti	Comparative Study: AI generative with Traditional Software Testing methods
635920	Abdelilah Ganmati, Karim Afdel, and Lahcen Koutti	Deep Learning-Based Multi-Factor Authentication System with Facial Recognition and Smart Card Integration for Banking
636843	Mohamed Amine TALHAOU, Chaimaa MOUMAD, Marwane HOUNGNON, Mohammed ABBA, Hamza ELKHATTABI	From Similarity Search to Scalable Systems: A Literature Review on the Evolution of Vector Databases
642002	Abderrahim Bouhouch	Distinguishing 5D Black Hole Physics in M-theory on a Calabi-Yau Three-folds using Machine Learning



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Education 4.0 & AI-Learning

PARALLEL SESSION 5:

Date: 19 July 2025 18H – 20H Link:		SESSIONCHAIRS: Prof Jihane Abdessadak, Prof Essaid El Bachari
ID	Corresponding Author	Title
641914	Shahad Ahmed Abdulgaffar, Yoosef B. Abushark	Aiding Computing and IT Students Choose the Right Electives: An Expert System Approach
636612	Rhourbal Mohammed Amine , Aallali Rachida	Revolutionizing Learning Through AI-Driven Virtual Reality : Pedagogical Contributions and Research Challenges
637565	Nezha NACER, Jaouad CHOUIKH and Nadia OUZENNOU	The Use of Artificial Intelligence by Nursing Students in Morocco
636636	Amal Aoulad Ali, Souad Alaoui, Abdelhalim Hnini, and Imane Chlioui	Design of hybrid authentication system for visually impaired students using smart contract
636728	Chaimaa BOUAFOD, Abdellah MADANI, and Khalid ZINE-DINE	AI-Based Adaptive Learning: Rosetta Stone's Effectiveness in Moroccan Universities
635809	Amine AZIZ, Loubna Cherrat ,Mostafa Ezziyyani	Optimizing Moroccan Higher Education Curricula: A Network Analysis Approach to Accreditation and Module Cohesion
643637	Ayoub Sibari	The AI-Empowered Communication Student: Technology Acceptance and Learning Outcomes
643432	Khadija TALBI, Soumia BAKKALI, Zineb AIT HADDOUCHANE, and AJANA SOUAD	Developing a Virtual Laboratory for Mechanical & Industrial Engineering in Morocco: A Digital Approach to Sustainable Practical Education and SDG Alignment
636628	Hamid Barkouk, Hajar Zekeik and Mohammed Lamarti Sefian	Transforming Education Through AR, VR, and AI: A Framework for Immersive, Intelligent, and Inclusive Learning Systems
643140	Fatima Anaam, Maryam El Moudden, Brahim Ait Hammou	Students' perspectives towards using Artificial intelligence (AI) in Moroccan higher education



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Education 4.0 & AI-Learning

PARALLEL SESSION 6:

Date: 20 July 2025 10H – 12H Link:		SESSIONCHAIRS: Prof Amal Bouich, Prof Adnane LATIF
ID	Corresponding Author	Title
636389	Hanane HADDAD, Maryam EL MOUDDEN, Loubaba RIDA, and Jihane ABDESSADAK	Exploring the Role of Artificial Intelligence in Higher Education: Insights from Moroccan Students' Perspectives
636688	Loubaba RIDA, Jihane ABDESSADAK, Maryam EL MOUDDEN, and Hanane HADDAD	AI in Higher Education: A Case Study on Civil Engineering Students On the Northern Region of Morocco
636847	BOUZAR Aziza, LIEMHLAHI Hoda, ALLALI Abdellatif, MADRANE Mourad	Perception of nursing teachers in Morocco towards the impact of generative artificial intelligence on pedagogical methods and the enhancement of students clinical reasoning
636860	BOUZAR Aziza, LIEMHLAHI Hoda, MADRANE Mourad	Use of Generative AI in Midwifery Training: A Qualitative Exploration of Students' Perceptions and Its Impact on Decision-Making
636363	Jihane ABDESSADAK, Loubaba RIDA, Hanane HADDAD, and Maryam EL MOUDDEN	Artificial Intelligence in Engineering Higher Education Enhancing Professors' Course Design and Assessment
641763	Jihane ABDESSADAK, Hanane HADDAD, and Maryam EL MOUDDEN	Opportunities and Challenges of Integrating Artificial Intelligence into Engineering Curricula : A state of art
636930	Hind AIOUEJ, Mohamed BADIY, Charaf HAMIDI, Mehdi GAOU, Hicham TRIBAK, Salma GAOU	A Brief Literature Review on Adaptive Content Recommenders in Personalized Learning Environments
643204	Abderrafik LAAKEL HEMDANOU, Hamid BARKOUK, Mohammed LAMARTI SEFIAN, Youssef ACHTOUN	Spectral Clustering with Ball Tree for Improved Student Grade Prediction: An Educational Data Mining Approach
643575	Yassine HADDIOUI, M'hamed RAHMOUNI, and Khalid MINAOUI	Towards Interoperable Learning Ecosystems: A Systematic Literature Review on Educational Data Integration
636357	Maryam EL MOUDDEN, Hanane HADDAD, Jihane ABDESSADAK, and Loubaba RIDA	Artificial intelligence (AI) in higher education: an exploratory qualitative study
636631	BAYDI Khaoula, DERKAOUI Khalid	L'Intelligence Artificielle pour Réduire la Fracture Numérique en Education au Maroc



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Digital Health & AI For the Future Generation of Healthcare

PARALLEL SESSION 7:

Date: 20 July 2025 10H – 12H Link:		SESSIONCHAIRS: Prof Ghazal Hassan, Prof Kaoutar OUARID
ID	Corresponding Author	Title
640132	Ismail, El-Mir, Meriem M'dioud, Youssef Er-Rays, Badreddine El Moutaqi and Hamid Ait-Lemqeddem	The Impact of Artificial Intelligence on Industrial Engineering in the Healthcare Sector: Applications to Supply Chain Logistics
631496	Youssef Er-Rays, Meriem M'dioud, Badreddine El Moutaqi , and Hamid Ait-Lemqeddem	Mapping the Future: AI-Driven Innovations in Medicine – A Scoping Review of Opportunities and Challenges
631492	Youssef Er-Rays	The Effects of Artificial Intelligence on Industrial Engineering in Healthcare: Implementation for System Maintenance and Quality
640133	Ismail, El-Mir, Youssef Er-Rays, Badreddine El Moutaqi, Hamid Ait-Lemqeddem, and Mustapha Ezzahiri	Connected Healthcare Systems and AI: Challenges and Opportunities
643593	Hasna FARTIT, Ed-drissiya EL-ALLALY, My Ali BEKRI, and Said BENHLIMA	Medical Information Extraction and Normalization from Social Media: A Review
636134	Rachid Alhyane and Abdelhakim El Boustani	Combining Deep Learning Models for Multiclass Classification of Medical Images
643214	Btissam Acim, Nassim Kharmoum, Mostafa Ezziyyani, and Soumia Ziti	Therapeutic Deepfakes for Mental Health: A Sustainable AI-Based Approach to Scalable, Humanized Digital Care
636579	Imane Hssini, Fatima Ezzahra Achamrah	A Hybrid AI and Robust Optimization Model for Sustainable Blood Logistics
636857	Ikram EL JAI, Ikram DEBBARH, Mouad EL MOUZOUN EL IDRISSE, Yassine BASKOUN, Wafaa DACHRY, Hassan GZIRI, Hicham MEDROMI	Dialysate regeneration : Towards Sustainable Hemodialysis



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Digital Health & AI For the Future Generation of Healthcare

PARALLEL SESSION 8:

Date: 20 July 2025 14H – 16H Link:		SESSIONCHAIRS: Prof Younes Oulad Sayad, Prof Anas Abou EL Kalam
ID	Corresponding Author	Title
642503	Hamza Ameziane, Yassine Zahidi, Nabila Rabbah, Mohamed El-Moufid, Nadia Machkour, Hicham Medromi	Smart ECG Technologies Assessment for Cardiac Monitoring Applications
636729	FADIL mbark, KRIM mustapha, BEN EL FAKIR makrame	validation of a monte carlo simulation of gamma knife radiocheology system by the GATE/GEANT4 platform
642879	Bader Edkhil, Mohamed Sadik, Abderrahim Fail	Innovative Beamforming Techniques for Enhanced Ultrasound Image Quality
642865	Jaafar Ahadad, Hicham Behja, and Hicham Medromi	Advancements in Smart Compression Therapy Garments: A Review of the Role of Artificial Intelligence in Healthcare Solutions
636801	Afaf Elarfaoui, Mohamed Sadik, Hicham Medromi	Revolutionizing Cardiovascular Monitoring Through Advanced Technologies and AI Integration: A Contemporary Review
636379	Ismail Ait Talghalit, Hamza Alami, and Said Ouatik El Alaoui	Multi-Label Classification of Arabic Mental Health Questions and Answers Using Transformer Models and Contextual Semantic Embeddings
636837	Ilyasse Boujraf, Yassine Zahidi, Mohamed El Moufid, Hassan Gziri, Wafaa Dachry, and Hicham Medromi	Toward Patient-Centered Hemodialysis: A Review of AI and IoT-Driven Advancements in Real-Time Monitoring and Adaptive Treatment.
646428	Amina Akhatab, Sara El Janahi, Zakia Boudar, Fatima Azzahrae El Yacoubi, Zineb El Kettani, Salsabil Hamdi, Najib Al Idrissi, Nouzha Dini, Hassan Ghazall	Comparative Analysis of Expanded Newborn Screening for Inborn Errors of Metabolism Using Tandem Mass Spectrometry and Next-Generation Sequencing: Insights from China and Slovenia.



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Digital Health & AI For the Future Generation of Healthcare

PARALLEL SESSION 9:

Date: 20 July 2025 14H – 16H Link:		SESSIONCHAIRS: Prof Abdelaziz El Hibaoui, Prof Najib Idrissi
ID	Corresponding Author	Title
642520	Islam El Jaddaoui , Hassan Ghazal	Microbial Community Responses to Cleaning in a Hospital Environment: A Spatio-Temporal Analysis
647382	Abdellah Idrissi Azami, , Mariam Laatifi, Essalihi Amina , Najib Alidrissi , Hassan Ghazal	AI-Assisted Genomic Analysis of Measles Virus Reveals No Outbreak-Specific Variants
646445	Abdellah Idrissi Azami, Hassan Ghazal	AI-Assisted Identification and Comparative Analysis of Tocopherol Biosynthesis Genes in African and Mediterranean Medicinal Plants
646443	Abdellah Idrissi Azami, Zainab El Ouafi, Nihal Habib, Douae El Ghouhali, Sofia Sehli, Mustapha Lemsayah, Hassan Ghazal	Multimic Correlations Between Organelle and Nuclear Genomes in Plants and Animals: A Comparative Genomic Mining Approach
643641	Jamal OUHATNA, Mostafa EZZIYYANI	Integration of Artificial Intelligence in Real-Time Adaptive Radiotherapy Systems to Enhance Dynamic Personalization of Cancer Treatments
636577	Jawad Benabderahmane, Mohammed Kasri, Inssaf El Guabassi and Abderrahim Beni-Hssane	Detecting diabetic retinopathy using transfer learning techniques
646430	Fadel Sara, Nihal Habib, Soumaya Jbara, Sara ouled Saber, Salsabil Hamdi, Fadil Bakkali, Rachid El Jaoudi, Wissal Maher, Imane Allali, Lahoucine Bahi, Najib Al Idrissi, Chakib Nejjari, Wajih Rhalem, Hassan Ghazal	Microbiome Profiling of Human Breast Tissue Reveals Correlations with Prognostic and Immunological Features in Breast Cancer
646442	Fadel Sara, Nihal Habib, Soumaya Jbara, Sara ouled Saber, Salsabil Hamdi, Fadil Bakkali, Rachid El Jaoudi, Wissal Maher, Imane Allali, Lahoucine Bahi, Najib Al Idrissi, Chakib Nejjari, Wajih Rhalem, Hassan Ghazal	Bioinformatics Analysis of Exomes from Nigerian Breast Cancer Patients
647432	Hassan Ghazal, Oumaima Achour	Comparative Gut Microbiome Analysis in Japanese Endurance Athletes and Non-Athletes Using 16S rRNA Sequencing



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Digital Health & AI For the Future Generation of Healthcare

PARALLEL SESSION 10:

Date: 20 July 2025 18H – 20H Link:		SESSIONCHAIRS: Prof Othman Abdoun, Prof M'hamed Ait Kbir
ID	Corresponding Author	Title
647431	Hassan Ghazal, Aya En-Nesyry	Uncovering Microbial Diversity in Elite Martial Artists through Amplicon Sequence Variant Profiling
636809	Hicham LOUMISSI, Adil BARRA, Najat MESSAOUDI, Othmane ELBADLAOUI, Bahloul BENSASSI and Hicham MEDROMI	Adaptive Hybrid Filtering for Noise Reduction in Photoplethysmography Signals
646431	Soumaya Jbara, Sara Fadel, Sara Ouled Saber, Hanane Qodad, Najib Al Idrissi, Rajae Tissir, Hassan Ghazal	Oral Microbiome Alterations in Pediatric Inflammatory Bowel Disease: Insights from 16S rRNA Sequencing and DADA2 Analysis
646436	Ouled Saber Sara, Soumaya Jbara, Sara Fadel, Najib Al Idrissi, Wajih Rhalem, Abdelhamid Naitlhou, Hassan Ghazal	Impact of Smoking on the Oral Microbiome: A Systematic Metagenomic Review
635542	Siham Rekiek, Hakim Jebari, Mostafa Ezziyyani, Loubna Cherrat	AI-IoT-Edge-Cloud Framework: Transforming Personalized Healthcare
646646	Mohamed Zaki	Artificial Intelligence-Enhanced Baroreflex Activation Therapy: A New Paradigm for Precision Blood Pressure Modulation in Medication-Resistant Hypertension
636463	Bellarbi Larbi, Elouerghi Achraf, Khomsi Zakaryae, Jbari Atman and Rhalem Wajih	Prospects for the development of early and continuous breast monitoring to prevent the birth of possible tumors
628915	Zineb El Marzouki, Laila Ibouzine-dine, Mouloud Lamtai, El hassan Ouanouche, Abdelhalem Mesfioui, Aboubaker El-hessni	Effects of repeated administration of lipopolysaccharides at a critical developmental period on cognitive and negative symptoms of schizophrenia in rat
636851	Boubker Zouin, Issam Qaffou	Implementing a CNN model for Plant Disease Detection



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Digital Health & AI For the Future Generation of Healthcare

PARALLEL SESSION 11:

Date: 26 July 2025 10H – 12H Link:		SESSIONCHAIRS: Prof Ghazal Hassan, Prof Mohamed Eddabbah
ID	Corresponding Author	Title
636785	RAJAALLAH El Mostafa, EL BAZ Hind	Automation of medical imaging analysis for ankle injury prevention
637966	JRAMY CHAIMAA, ADADI WIAME, CHARROUK SANAA OUAHID ASMAA, AND SAFI AMAL	JRAMY CHAIMAA Natural selection patterns and multiethnic distribution of pathogenic mutations in MODY
640137	Ismail, El-Mir, Youssef Er-Rays, Badreddine El Moutaqi, Hamid Ait-Lemqeddem, and Mustapha Ezzahiri	Exploring ChatGPT in Healthcare: A Scoping Review on Ethical Considerations and Efficiency Enhancement
646434	Najat Lechhab, Abdellah Ouaguid, Wajih Rhalem, El Mehdi Jaafari, Zineb El Otmami Dehbi, Chifaa Zaarat, Hassan Ghazal, Lahcen Belyamani, Najib Al Idrissi	Regenerative medicine and the repair of musculoskeletal injuries: current status and challenges
647331	Sofia Sehli, Najib Al Idrissi, Hassan Ghazal	Comparative Analysis of Long COVID Prevalence, Symptoms, and Risk Factors in Morocco and Other African Countries
647308	Douae El Ghouali, Stacy Pirro, Abdellah Idrissi Azami, Salwa Zeidi, Fatima Zahra Serhani, Salma Batal El Khourouba, Najib Al Idrissi, Redouane Merriouch9, Hicham Bellaoui, Chakib Nejjari, Hassan Ghazal	Comparative Assembly and Annotation of the Mitochondrial Genome of Bornella anguilla
648283	Hassan Barouaca	Trends in Childhood Stunting Across African Regions: A Comprehensive Analysis from 2000 to 2030
642528	Chaimae Hilali, Sara Aboulaghras , Asmaa Mdaghri Alaoui, Najat Lamalmi, Mounia Yousfi Malki	Histopathological Insights of Fetal Vascular Malperfusion: A Review Illustrated by Cases Recruited from the Department of Pathology at Ibn Sina University Hospital in Morocco
655739	SARAH KHROUCH, Loubna Cherrat, Mostafa Ezziyyani	Leveraging MDP for Precision Optimization of Breast Cancer Therapeutic Strategies



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Green Energy & Smart Environnement

PARALLEL SESSION 12:

Date: 26 July 2025 10H – 12H Link:		SESSIONCHAIRS: Prof CHORAK Aicha, Prof Anas Abou EL Kalam
ID	Corresponding Author	Title
628705	Meriem M'dioud, Abdelfettah Bannari, Youssef Er-Rays, Rachid Bannari, Ismail El Kafazi	An enhanced ABC algorithm for optimal size and site of DG unit
628697	Meriem M'dioud, Abdelfettah Bannari, Youssef Er-Rays, Rachid Bannari, Ismail El Kafazi	An improved ABC algorithm for multi-objective problem
636830	Mohamed Limam El Hairach, Insaf Bellamine, Amal Tmiri, Hassan Silkan	A Simplified Method for Clear Sky Detection in Photovoltaic Systems Using GHI Delta and Irradiance Ratio Analysis
636834	Ilham IDRISSE JOUICHA, Ouafae JBAIHI, Atae SEMMAR, Hassan GZIRI, Wafaa DACHRY and Hicham MEDROMI	The integration of renewable energies, AI, and IOT in seawater desalination: A state of the art
643273	Oussama KHOULI, Mohamed HANINE, and Mohamed Louzazni	A Comparative Study of Machine Learning Models for PV Power Output Prediction: A Case Study in China
643107	Tibibt Imane, Zahidi Yassine, Dachry Wafaa, El Moufid Mohamed, Gziri Hassan and Medromi Hicham	Developing methods for recovering energy and materials from medical and biomedical waste.
631859	Bendaoud SAAD	The Magnetic Field of a Circular Current Loop: a Novel Approach
643394	ACHLIOUI Mohamed, ZAHIDI Yassine, RABBAH Nabila, EL-MOUFID Mohamed, MEDROMI Hicham, and TOUATI Abdelwahed	A study about Aircraft Configuration and Propulsion Technologies
631251	Mohammed Hdid , Hakim Jebari , Hassan Samadi	Overcoming Barriers to AI Adoption in Injection Molding: A Review and Case Study Approach
632447	Nihad Hamoudan, Hakim Jebari, Kamal Reklou, and Ahmed Al Mers	Metal-Organic Frameworks (MOFs) in Lithium-Ion Batteries: Synthesis, Applications, and Next-Generation Innovations
643640	Omar Zenzoum, Hatim Kharraz Aroussi, and Yassine Rayri	Improving security in Wireless Sensor Networks
649296	CHRIT Salma, Kaoutar BAZZAR	Machine Learning for Predicting and Optimizing Eco-Concrete Performance



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Green Energy & Smart Environnement

PARALLEL SESSION 13:

Date: 26 July 2025 14H – 16H Link:		SESSIONCHAIRS: Prof Amal Bouich, Prof Younes Oulad Sayad
ID	Corresponding Author	Title
636581	Amine Rihane, Mohammed Kasri, Youssef Lamriji, Mustapha Hankar, and Abderrahim Beni-Hssane	Multi-Criteria Assessment and Selection of Renewable Energy Sources for Sustainable Electricity Generation in Morocco
643181	HAMRI ZINEB, BOUROUHOUMANE, MOUHIR LATIFA	Forecasting Biogas Yield from Municipal Landfills: Modeling with EPA and LandGEM Models
636622	Karima HALOUA, Karim TAHIRY, and Abdelmajid FARCHI	Aerial Inspection of Wind Turbine Blades: State-of-the-Art Damage Detection and Future Perspectives
636623	Kawtar AHMINE, Karim TAHIRY, and Rachid HABBACHI	Energy Optimization of Industrial Pumping Systems: From Traditional Methods to Intelligent Algorithms
636550	Mohamed Kichouhi, Rachid El alaiji, Mohammed Amine Moussaoui, and Soufiane Derfoufi	Investigation of thermophysical characteristics of cement-based concrete incorporating date pits powder
636614	El yakoubi Marwa, Dadda Afaf, Sekkat Souhail	Towards Intelligent Eco-Design: Contributions of AI and Digital Tools
639798	Mohammed Aouisset, Dounia Chaatouf, Soufiane Derfoufi	CFD analysis of Base/Part-Load of Induced-Draft cooling tower
635752	Yahya Ladghami, Touafik Ouali	Thermodynamics of Black Holes and Quantum Gravity
636051	EL MAJDOUBI Yousra, BAHRAOUI Zuhair, and OZGUL Sevim	Exploring alternative statistical models for wind energy estimation : beyond the Weibull distribution
636776	Meryem Ennakri, Mohamed Dakki, Mohamed El Farouki, Soumia Ziti	Linking Species Preference and Diversity to Describe Community Homogeneity
643600	Badr-Eddine Benelmostafa, and Hicham Medromi	Adaptive Style Perturbation for Balanced Domain Generalization in Adverse Weather Power Line UAV Inspections
655738	Nadine Safa, and Mostafa Ezziyyani	Geographic and Meteorological Ranking Tool for Solar and Wind Site Selection



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Water & Climate Change

PARALLEL SESSION 14:

Date: 26 July 2025 14H – 16H Link:		SESSIONCHAIRS: Prof Hakim JEBARI, Prof Loubaba Rida
ID	Corresponding Author	Title
643467	Fellah Saida, Mabrouki Charif	Literature Review: Application of MCDM Methodology to Dry Port Location Problems
642635	Omaima Khalil ElFanne, Badr El Fathi, Abdelaziz Boutchkkoucht, Nouhaila Mazigh, Abdelali Sebbar, Abdeslam Taleb	Use of the Multilevel Linear Mixed Effects Model with the R Software and the Ca Markov Simulation Model to Estimate Changes in Precipitation and Land Use in the El Ganzra Region, Morocco
641252	Ikram Chhimi, Abdeslam Taleb, Mohamed Laaouan, Mohammed El Hachoumi, Bader El Fathi, Smail Essellami	Monitoring the Efficiency of a Low-Load Activated Sludge System for Wastewater Treatment in the Rabat Region, Morocco.
636779	Mohammed Kahlaoui, Aboulkacem Karkri, Mohammed Anisse Moutaouekkil, Chakib Taybi and Abdechafik Derkaoui	Deep Learning for Sustainable Water Management: Estimating Root and Soil Moisture Using GPR
643628	Ahlam MAJID	LCA of Nature-Based Solutions in Civil Engineering: Green Infrastructure Systems
643625	Nouhaila Lassfar, Dalila Loudyi	Hydro-Sedimentary Dynamics in the Oum-Errabia Estuary Using Integrated Remote Sensing and Advanced Numerical Modeling Approaches
636605	Issam Bakkour, and Zaynab El khattabi	Natural Disasters in Morocco: A Comparative Study of Deep Learning and Artificial Intelligence Methods
642932	Idriss Sammaa, Mohammed Yazami Ztait, Ali Taous and Abdeslam Taleb	HYDRO-MORPHODYNAMIC FUNCTIONING AND ANTHROPIC IMPACTS IN THE OUED BOUREGREG VALLEY (CENTRAL PLATEAU, MOROCCO)



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Water & Climate Change

PARALLEL SESSION 15:

Date: 26 July 2025 18H – 20H Link:		SESSIONCHAIRS: Prof Hanane HADDAD, Prof Soufiane DERFOUFI
ID	Corresponding Author	Title
636791	Oumaima BOUANANI, Sara SANDABAD, Hassan MABCHOUR, and Moulay El Houssine ECH-CHHIBAT	Advanced Oil Spill Segmentation in Maritime Synthetic Aperture Radar Imagery: A Comparative Analysis of Deep Learning Architectures
643627	Safae EL HIR, Mehdi MAANAN, Ismail LAGRAT, Ahmed AIT ERROUHI	Monitoring of Anthropogenic Impacts on water quality in the Nador lagoon
639467	Hmamed Hala, Cherrafi Anass	Integrating Climate Change Adaptation and Green Logistics within Industry 5.0/4.0: Towards Sustainable Industrial Transformation in Emerging Economies
642476	Bouazza Sallak, Sebastiane Lebaut, Yahia El Khalki, Gille Emanuel and Hasan Ouakhir	Identification of flash flood event characteristics in the Dir of the Atlas Beni Mellal, Morocco: implications for environmental management.
643643	Fettah Abla, Mouhir Latifa, Tayane Souad	Climate change: Sectoral Responsibilities, Impacts, and Strategic Responses - Review
636144	M. El hachoumi, A. Taleb, A. EL Bilali, M. Moukhliiss, S. Essellami, B. El Fathi	A Dual-Method Approach to Quantify Water Losses: IWA Framework and Minimum Night Flow Analysis
636822	SAAD Ahlam, MOUKHLISS Mohammed, EL FATHI Badr, ESSALAMI Smail, Mohammed Yazami Ztait, TALEB Abdeslam	Estimation of Soil Loss using USLE model and GIS techniques. Case study: Oued El Malleh Watershed, Morocco
649293	Hakim Jebari, Siham Rekiek, Mostafa Ezziyyani, Loubna Cherrat	AI-IoT-Edge-Cloud Framework for Smart Urban Water Management: Enhancing Sustainability and Efficiency
636546	SMAIL ES SELLAMI, Taleb Abdeslam, Badr Elfathi	Water Quality Assessment of Wadi Oum Er-Rbia: Impact of Temperature and Flow on the Conductivity



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Agriculture 4.0 & Food Security

PARALLEL SESSION 16:

Date: 27 July 2025 10H – 12H Link:		SESSIONCHAIRS: Prof Hamid Aksasse, Prof Siham Rekiek
ID	Corresponding Author	Title
643291	Imane Fadel, Fatehi ALtalqi, Jamila Dahmani	Investigation and Conservation of Homalothecium lutescens and Homalothecium sericeum: Insights from Various Stations in Ifrane National Park
644087	Hayat BOURAHHIOUI, Nadia BELAHBIB, Allal DOUIRA, Lahcen ZIDANE, Jamila DAHMANI	Soil and stand types of the Ben slimane forest, Morocco: Combined card
636408	Youssef BOUH, Mohamed OUHDA, Mohamed BASLAM	Detection of Date Fruit Bunch Stalk Using YOLOv8 and SAM Algorithms
636781	Moudni Yousra, Chafik Khalid	A cross-view of Moroccan startups and agribusinesses perceptions of AI adoption: Confirmatory study
646191	Soukaina TAYOU, Amina OUZZANI TOUHAMI, Soukaina MSAIRI, Maryam ARTIB, Karima SELMAOUI, Charkaoui EL MODAFAR, Allal DOUIRA	Diversity of arbuscular mycorrhizal fungi in the rhizosphere of grapevines
637491	Mohamed ZARID	Integrated Omics Reveal Genetic and Environmental Regulation of Texture and Aroma in Melon Fruit
642824	EL HOU Meryem, ZAHIDI Yassine, RABBAH Nabila, EL MOUFID Mohamed, MEDROMI Hicham, TOUATI Abdelwahed	A Study about the Methods of Irrigation Optimization Using EWA Nexus Approach and AI
634199	Nissrine Gouiza, Hakim Jebari, Kamal Reklouai	Cloud, Edge, and Big Data Analytics for Precision Aquaculture: Optimizing Decision-Making and Scalability
634196	Nissrine Gouiza, Hakim Jebari, Kamal Reklouai	IoT and AI for Sustainable Aquaculture: Transforming Monitoring and Management



Online Sessions



AI2SD'2025 Annual Global Summit – 8th Edition Agriculture 4.0 & Food Security

PARALLEL SESSION 17:

Date: 27 July 2025 10H – 12H Link:		SESSIONCHAIRS: Prof Jihane Abdessadak, Prof Ahmed Bentajer
ID	Corresponding Author	Title
642018	Othman Couqua, Miloudia Slaoui, Keltoum Rahali	Risk management analysis in avocado production and exportation: improving risk management practices
632330	AIT AHMED Nihad, AIT AHMED Aymen, EZZIYYANI Mostapha	Decision support system and prevention of climate change risks on agriculture in Morocco, the case of cannabis cultivation in northern Morocco
635560	Abdelouafi Boukhris, Antari Jilali, M.Kasri, and Abderrahman Sadiq	Crop Yield Prediction Using Deep Learning Models and Remote Sensing Imagery
635539	Hakim Jebari, Siham Rekiek, Mostafa Ezziyyani, Loubna Cherrat	AI-IoT-Edge-Cloud Integration for Sustainable Smart Agriculture
633735	Nidal Tafah, Younes El Fellah, Dennis Osei, Rquia Bourziza, Ismail El Hasnaoui, Wafaa El Khoumssi	Empowering Rural Resilience: The Role of NonProfit Organizations in Promoting Smart Irrigation Technologies for Sustainable Agricultural Employment in Morocco
636711	Jaayefar Fatima-ezzahra, Mahmoud Oudghiri, Belahbib Nadia, Zidane Lahcen et Dahmani Jamila	Status of Pistacia atlantica Ecosystems. Case of the Maaziz Region, Morocco
636856	Fatima-Zahra YASSIF, Asmaa BENAYAD, Douae BENLOUGHMARI, Kaoutar EJJA, Siham MOUSSAID, Yassmin ELMORABIT, Youssef ABOUSSALEH	Revolutionizing Moroccan Goat Dairy Products: Enhancing Safety and Metabolic Health Benefits for Obesity Management
649295	Siham Rekiek, Hakim Jebari, Mostafa Ezziyyani, Loubna Cherrat	AI-IoT-Edge-Cloud Framework for Precision Livestock Farming: Enhancing Animal Welfare and Farm Efficiency
643431	EL ALLAOUI Achraf, EL ANSARI Loubna, SEMMAR Atae, DACHRY Wafaa, GZIRI Hassan, MEDROMI Hicham	Desalination in the Water-Energy-Food Nexus: A Review



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AI2SD'2025 Annual Global Summit – 8th Edition Smart City & Urbanisation

PARALLEL SESSION 18:

Date: 27 July 2025 14H – 16H Link:		SESSIONCHAIRS: Prof Hakim JEBARI, Prof Soumaya EL MAMOUNE
ID	Corresponding Author	Title
642467	Chakour Ilias, Abdoun Otman	Comparing large neighborhood search strategies for the vehicle routing problem with time windows
636817	BOULKHIR LAYLA, MOUSSAS KAOUTAR, ATITAOU ASMAE	Solidarity Tourism and Tourism Intelligence: A Panel Data Econometric Analysis for the Digital Governance of Sustainable Territories.
641980	Nadia Berrahmania, EL Hachmi Hammou, Lekbira EL Fadi	Comparative Analysis of Hybrid Metaheuristics in Solving the Green Vehicle Routing Problem
643334	JAAIFI Nezha, FIKRI Majda	Hybrid Optimization of the Energy Minimizing Vehicle Routing Problem Using Novel Clustering Methods and Ant Colony Algorithm
643172	BOUROUHO IMANE, HAMRI ZINEB	Urban Growth and Air Quality Dynamics between: A Spatio-Temporal Remote Sensing Assessment Using Multi-Sensor Earth Observation Data
637312	Imane ZARROUK, Soufiane AGUIDA	Smart Destination Branding through Digital Platforms: A Statistical Study on AI Tools in Moroccan Tourism Marketing
636619	Fijahi Nour, Sliman Mounia	The Perceived Social Value of Luxury Among Millennials: An Exploratory Study Using NVIVO
642942	Rim BENJELLOUN, Siham REKIEK, Khalid JEBARI	Morocco's Smart Tourism Future: Genetic Algorithms for Sustainable Itinerary Optimization
636643	Fatima Zahra Abbour, Soufiane Ardchir, Soumaya Ounacer, and Mohamed Azzouazi	Evaluating Fairness: Metrics in AI Recruitment
645279	HOUIR ALAMI Maha and EL HAROUCHI Laila	Tracing the Evolution of Food Waste Management Research in Tourism and Hospitality: A Global Bibliometric study
641882	Imane RHZIOUAL BERRADA, Fatimazahra BARRAMOU, and Omar BACHIR ALAMI	Artificial intelligence and sports events' impact on the tourism sector and real estate market in Morocco
645366	Anass BENDAHDANE and Laila EL HAROUCHI	Exploring the Impact of AI on Engagement in Crowdfunding through Social Media Analysis: A Narrative Review



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AI2SD'2025 Annual Global Summit – 8th Edition Smart City & Urbanisation

PARALLEL SESSION 19:

Date: 27 July 2025 14H – 16H Link:		SESSIONCHAIRS: Prof Zine Eddine Khalid, Prof Mohammed Rida Ech-Cherrat
ID	Corresponding Author	Title
641976	Adil EL ARFAOUI, Ismail ESSAMLALI, Hasna NHAILA, Mohamed EL KHAILI	Spatio-Temporal Modeling of Air Quality Data Collection Using Urban Bus Networks: Case of Mohammedia City
654544	Dchieche Amina, Zniber Elarabi , El Alaoui Abdelkader, Ouatik El Alaoui Said, Haouba Khadijetou and Bitouai Fatima	Exploring ESG Influence on Rental Real Estate Performance and Practices: A Bibliometric Analysis and Literature Review
643148	Naila Belhaj Soulami, Hassan Azdimousa	Innovation at the heart of Smart Tourism Destinations: A qualitative research applied to Moroccan case
636560	Lina Hamdi	The Future of Space Travel: Colonizing Mars and Beyond
636695	MOHAMED EL HAMDOUNI, ABDERRAHIM TAHIRI	Making decision in smart home using context ontology rules base and software engineering
637786	Yahya HASSINE, Kaoutar ALHADRI	The Role of Digital Transformation on Smart Cities: A Systematic Literature Review
642477	Bouazza SALLAK, Zaine LAHDACHI, Jihane LAHROUR	Habitat Post-Sismique en Al Haouz : Quand le patrimoine et l'innovation façonnent l'habitat de demain
645829	Lazaar hanane, cheriet nabil	Driving innovativity: a key catalyst for digital agility within the OFPPT (Office for Skills Training and the Promotion of Work) in Morocco.

AI2SD'2025 Annual Global Summit – 8th Edition Transport & Logistics

ID	Corresponding Author	Title
636824	Khalid ANBRI, Mohamed El Moufid, Yassine ZAHIDI, Hassan GZIRI, Wafaa DACHRY, Hicham MEDROMI	Artificial Intelligence for Sustainable Intermodal and Multimodal Transport Systems: A Systematic Literature Review
643650	TALLAKI Salma	IoT-Driven Transformation of Supply Chains: Benefits and Implementation Challenges
643324	Ilyasse HANAFI, Otmane YAZIDI ALAOUI	A Conceptual Framework for Headway Regularity in Moroccan Urban Transport Systems



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AI2SD'2025 Annual Global Summit – 8th Edition Fintech And Digital of Financial Services

PARALLEL SESSION 20:

Date: 27 July 2025 18H – 20H Link:		SESSIONCHAIRS: Prof Mohamed El Ghazouani, Prof Maryam EL MOUDDEN
ID	Corresponding Author	Title
643202	Mahdi Ijlal, Al Meriouh Youssef	Literature review: Blockchain and Fintech in Supply chain
636386	Mohamed EL Ghadouia and Abdel-Ylah Amazzal	Quantitative analysis of the effects of fundamental factors and investor sentiment on stock returns predicted: Evidence from Moroccan listed companies
635938	Mohammed Tadmouti, Sara Amsidder, Abdelfettah Sedqui	Traceability and Transaction Security in Blockchain
633259	Soumia Ziti, Imane Bahammou, Karim El Bouchti	Reinforcement Learning Applied to Trading: Trends, Challenges, and Future Directions.
636081	ADNANE EL OUARDI, BRAHIM ER-RAHA, MUSTAPHA RIAD, KHALID TATANE	A GAN-BASED METHOD TO TUNE LSTM HYPERPARAMETERS FOR FINANCIAL FORECASTING
648973	YOUNES ABID, Chaymae DOUHID, Mohamed CHEMLAL	Économie numérique et intelligence économique : catalyseurs de la rentabilité et de la résilience financière des entreprises
648988	Chaymae DOUHID, Younes ABID, Mohamed CHEMLAL	La nouvelle ère de la bonne gouvernance : décryptage des pratiques émergentes au prisme de la performance financière
636595	Meryem MEZZARA, Ayyoub SAOUDI, Jamal ZAHI	Leveraging AI to Overcome the Slowness of Accounting Operations and Drive Financial Performance
636270	AMAMOU Youssef, ABBADI Mohammed	Metaheuristics and Evolutionary Algorithms for Demand Forecasting in Supply Chain and Logistics: A Systematic Literature Review
643211	Mahdi Ijlal, Al Meriouh Youssef	Blockchain and Fintech on Moroccan supply chain
649297	CHRIT Salma	INTELLIGENT APPROACH TO CLASSIFYING SOCIAL & Solidarity ECONOMY PROJECTS : Comparative study of artificial intelligence methods