

First day (23/11/2023)																	
08:30	Registration Desk																
09:00	Opening Ceremony																
	Words from Distinguished Guests																
	Conference Chairs' Address																
	Tribute to Professors Mohsine Hachkar and Ahmed Hammouch																
10:00	Plenary session : Domain-Specific Sentiment Analysis for Predicting Financial Market Behaviour Keynote : Assoc. Prof. Nikola S. Nikolov University of Limerick, Ireland Session host : Prof. Soufiane Hourm																
10:45	Coffee break																
Parallel sessions																	
11:15	<table border="1"> <thead> <tr> <th>Session : E-Health (1)</th> <th>Session : Industry 4.0</th> </tr> </thead> <tbody> <tr> <td>Chairs : Prof. Dalel Kanzari (University of Sousse, Tunisia) Prof. Rui Marques (University of Aveiro (UA), Portugal) Room 3</td> <td>Chairs : Prof. Kurosh Madani (University of Paris-Est Créteil Val de Marne (UPEC), France) Prof. YAZIDI ALAOUI Otmame (Abdelmalek Essaâdi University, Morocco) Room 6</td> </tr> <tr> <td>16 : Tarik Saidi, Aberdazzak Manser and Tesfalem Welearegay Effect of pre-heating conditions on MOS gas sensors towards acetone vapor</td> <td>21 : Abdellah Mazighi, Lahoucine Ballihi and Ghizlane Orhanou Improving Intrusion Detection Using Machine Learning Algorithms with Feature Selection based on Information Gain</td> </tr> <tr> <td>17 : Mayssa Ben Kahla and Dalel Kanzari Towards a Deep Learning for Lung Cancer Prediction Approach</td> <td>9 : Julian Weller, Nico Migenda, Arthur Wegel, Martin Kohlhasse, Wolfram Schenck, Roman Dumitrescu Conceptual Framework for Prescriptive Analytics Based on Decision Theory in Smart Factories</td> </tr> <tr> <td>14 : Mariem Qaddour, Yassine Benjelloune Touimi and Khalid Minaoui Classification Of Retinal Fundus Images Using Convolution Neural Network (CNN)</td> <td>39 : Kapil Panda Analysis of Optimal Portfolio Management Using Hierarchical Clustering</td> </tr> <tr> <td>11 : Charifa Laghrifat, Mohamed Essalih and Iham Mounir The use of image graph in the medical data analyzing</td> <td>71 : Samira Abouriche, Abdellah Zyane and Abdellah Ghammaz Adaptation of loss recovery mechanisms for improving scalability and quality of service in IoT networks</td> </tr> <tr> <td>74 : Mustansar Ghazanfar, Pooja Prakash, Muhamed Bekheit, Mudassar Ali Ghazanfar, Adam Prugel-Bennett, Nadeem Qazi and Hafiz Malik A Machine Learning Model for Survival Prediction in Secondary Liver Cancer</td> <td>15 : Tarik Saidi and Abdelmajid El Bakkali Smart position detection of shelf-load based on imbalanced load cell sensors</td> </tr> </tbody> </table>	Session : E-Health (1)	Session : Industry 4.0	Chairs : Prof. Dalel Kanzari (University of Sousse, Tunisia) Prof. Rui Marques (University of Aveiro (UA), Portugal) Room 3	Chairs : Prof. Kurosh Madani (University of Paris-Est Créteil Val de Marne (UPEC), France) Prof. YAZIDI ALAOUI Otmame (Abdelmalek Essaâdi University, Morocco) Room 6	16 : Tarik Saidi, Aberdazzak Manser and Tesfalem Welearegay Effect of pre-heating conditions on MOS gas sensors towards acetone vapor	21 : Abdellah Mazighi, Lahoucine Ballihi and Ghizlane Orhanou Improving Intrusion Detection Using Machine Learning Algorithms with Feature Selection based on Information Gain	17 : Mayssa Ben Kahla and Dalel Kanzari Towards a Deep Learning for Lung Cancer Prediction Approach	9 : Julian Weller, Nico Migenda, Arthur Wegel, Martin Kohlhasse, Wolfram Schenck, Roman Dumitrescu Conceptual Framework for Prescriptive Analytics Based on Decision Theory in Smart Factories	14 : Mariem Qaddour, Yassine Benjelloune Touimi and Khalid Minaoui Classification Of Retinal Fundus Images Using Convolution Neural Network (CNN)	39 : Kapil Panda Analysis of Optimal Portfolio Management Using Hierarchical Clustering	11 : Charifa Laghrifat, Mohamed Essalih and Iham Mounir The use of image graph in the medical data analyzing	71 : Samira Abouriche, Abdellah Zyane and Abdellah Ghammaz Adaptation of loss recovery mechanisms for improving scalability and quality of service in IoT networks	74 : Mustansar Ghazanfar, Pooja Prakash, Muhamed Bekheit, Mudassar Ali Ghazanfar, Adam Prugel-Bennett, Nadeem Qazi and Hafiz Malik A Machine Learning Model for Survival Prediction in Secondary Liver Cancer	15 : Tarik Saidi and Abdelmajid El Bakkali Smart position detection of shelf-load based on imbalanced load cell sensors		
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Second day (24/11/2023)																	
08:00	Registration Desk																
09:00	Plenary session : Harnessing Intelligent Digital Health: Transformative Approaches for Strengthening Health Systems Keynote : Prof. Nabil Zary Mohammed Bin Rashid University of Medicine and Health Sciences, Dubai, United Arab Emirates Session host : Prof. Zyan Abdellah																
09:45	Plenary session : Data-driven analytics for Agriculture Keynote : Dr. Olubayo Adekanmbi Founder/CEO DSNai Lagos, Nigeria Session host : Prof. Zyan Abdellah																
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14:30	Plenary session : Scaling Foundation Models: Paving the Future Path for Enterprise AI Keynote : Prof. Kaoutar El Maghraoui IBM Research AI, USA Session host : Prof. El Fezazi Said																

First day (23/11/2023)

First day (23/11/2023)

Second day (24/11/2023)

15:15	Plenary session : It's time to understand the physical mechanism behind deep learning Keynote : Prof. Habib Hamam University of Moncton, Canada Session host : Prof. El Fezazi Said		Second day (24/11/2023)
16:00	Session : Education Chairs : Prof. Imen Berquiga (Sousse University, Tunisia) Prof. OUBNAKI Hasnaa (Cadi Ayyad University , Morocco) Room 3		
	69 : Imane Lmati Towards improving mathematics learning using the deep learning models		
	70 : Samir Elouaham, Azzedine Dliou, Boujemaa Nassiri and Hicham Zougagh Combination method for denoising EMG signals using EWT and EMD techniques		
	65 : Marwa Licer, Khalid Minaoui, Rachid Saadane and Hanae Belmajdoub Advanced PAPR Reduction Techniques for MultiBand OFDM in WBANS		
	38 : Fouad Yakoubi, Noussaima El Khattabi and Mohamed El Marraki counting of spanning trees in the corona edge product network.		
	57 : Fouad Yakoubi, Noussaima El Khattabi and Mohamed El Marraki Counting the Number of Spanning trees in Fan Graphs Families		
	62: Said Ousguine, Khalid Fakhar Directional interpolation using bilateral filter and modified Akima interpolation		
17:15	Coffee break		
17:30	Share your work sessions		
	Session 1 Chairs : Prof. Mohamed Essalih (ESTS, Cadi Ayyad University, Morocco) Prof. Nawal Alioua (Cadi Ayyad University, Morocco) Room 3	Session 2 Chairs : Prof. Chekry Abderrahman (ESTS, Cadi Ayyad University, Morocco) Prof. Othmane Alaoui Fadli (ESTS, Cadi Ayyad University, Morocco) Room 6	
	Andrea Chinnici, Davide De Chiara, Marta Chinnici Sustainable Operation and Energy Efficiency in Data Centers: A Comprehensive Analysis Using Real-world Datasets and AI Techniques	Fatima Fergani Theoretical Study of the Raman Spectra of water molecules encapsulated within Carbon nanotube	
	Nabil Meryem, HILAL Imane, Daoudi Najima, Hnida Meriem, Haqiq Abdelhay Detection of mobile traffic attacks using machine learning techniques	Elkhasal Haitam Customer sustainable behavior prediction	
	Sonia Makni, Henda Elgharbi Fintech: a catalyst for female entrepreneurship	Abderrazak Mansar, Tarik Saidi Prototyping a SnO2 Gas Sensor-Based System for Ammonia Detection	
	Hafsa Matich, Hajar Mousannif Enhancing Concrete Segregation Detection: Utilizing XAI for Elevated Precision and Transparency.	Abdeltif Bouaichi, Alae Azouzoute, Youssef Chahet, Houssain Zitouni, Charaf Hajjaj, Massaab El Ydrissi, Aumeur El Amrani, Mohammed El Amraoui Application of Artificial intelligence in photovoltaic systems assesment	
	Touailab Ilyass, Bayar Abdelouahad, Chekry Abderrahman Mathematical Morphology to Automatize Generation of Dynamic Arabic Letters: Preliminary Studies	Ayoub Oulahyane, Kodad Mohcine, Azizi Mostapha, Moussaoui Omar Sustainable Progress with Drones and Artificial Intelligence	
	Hassen Chebil Enhancing Stroke Care: Enriching Ontology through Voice-Enabled Chatbot Interactions	Chekry Abderrahman, BAKKAS Jamal, BAYAR Abdelouahad Integration of Moodle's "Quiz" activity in the assessment of student learning at the Graduate School of Technology of Safi	
	Hamza Elhousni, Amine Amar Comparative Analysis of Naive Bayes and XGBoost for Spam Email Classification with Imbalanced Data.	Jamal Bakkas, Said Gounane, Abderrahman Chekry Semantic Modeling of SARS-CoV-2 Mutations: SARSMutOnto in Focus	
	Nadia Elouaer, Sonia Makni The Gender Gap in the Fintech era	Abdelouahed Selmani, Tarik Saidi, Ilyas Hani, Jamal Bakkas, Bachir Benhala A Cyber-physical design for management systems of Photovoltaic installations	
18:45	Closing of the second day		
Third day (25/11/2023)			
Parallel Workshop sessions			
09:00	Topic : Generative AI Speaker : Prof. Soufiane Hourri Cadi Ayyad University, Morocco Host : Ms. Charifa Laghradat (Cadi Ayyad University, Morocco) Room 1	Topic : Smart Contract Speaker : Mr. KHAOULAJ YOUSSEF CEO & Cofounder Moroccan Blockchain Laboratory, Morocco Host : Ms. Aziza Barakat (Cadi Ayyad University, Morocco) Room 4	
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