

The 4th International Conference on Digital Age & Technological Advances for Sustainable Development (IC-DATA-2023)

Rundown Program

Day 1: Wednesday, May 03, 2023

GMT +1 (Casablanca, Morocco local time)

08:30 - 09:30	Registration		
		Room 9-10	Room 6
09:30 - 10:30	Session 1: Digital Systems & IoT	09:30 - 10:30	Session 2: Intelligent & Smart security
Main amphitheatre: Opening Ceremony			
10:30 - 10:40	Welcome Speech: Prof. Jaouad Boutahar, Director of EHTP	Honorary Chair, EHTP	
10:40 - 10:50	Welcome Speech: Prof. Rachid Saadane	Deputy Research Director, EHTP	
10:50 - 11:00	Welcome Speech: Prof. Mohamed Wahbi	Conference Co-Chair, SIRC-EHTP	
11:00 - 11:10	Welcome Speech: Prof. Boudhir Anouar Abdelhakim	Conference Co-Chair, 2SET-UAE	
11:10 - 11:20	Welcome Speech: Prof. Mohammed Karim GUENNOUN	Publication Chair, SIRC-EHTP	
11:30 - 11:45	-- Coffee Break --		
Main amphitheatre: Keynotes Session-1			
11:45 - 12:30	Keynote Speaker: Prof. Dr. Mohamed NAJIM Bordeaux University, France <i>Topic: Cybernetics, control, robotics, AI and more</i>	Moderator: Pr. Bouhorma Mohammed	
12:30 - 13:00	Keynote Speaker: Mr LASFAR Hicham National Agency of Public Equipments (ANEP) <i>Topic: Building Information Modeling</i>	Moderator: Pr. Karim Guennoun	
13:00 - 14:00	-- Lunch Break --		
	Room 9-10	Spring School	Room 6
14:00 - 16:00	Session 3: Civil & Structural Engineering	14:00 - 16:00	Machine Learning Prof. Lotfi ELAACHAK-UAE University, Morocco
16:00 - 16:15	-- Coffee Break --		



Main amphitheatre: Keynotes Session-2

16:15 - 17:00 **Keynote Speaker 3: Prof. Dr. Abdelilah Benyoussef**
Hassan II Academy of Science and Technology
Mohammed V University, Morocco
Topic: Hydrogen, clean and sustainable energy carrier: Modelling and Simulation

Moderator: Pr. Nabil Benaya

Day 2: Thursday, May 04, 2023

GMT +1 (Casablanca, Morocco local time)

08:30 - 09:30 Registration

09:30 - 10:30	<u>Session 4: Renewable Energy & Smart Grids</u>	Room 9-10	09:30 - 10:30	<u>Session 5: AI for Sustainable Applications- I</u>	Room 6
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10:30 - 10:45 -- Coffee Break --

Main amphitheatre: Keynotes Session-3

10:45 - 11:30 **Keynote Speaker 3: Dr. Khalil DRIRA**
LAAS-CNRS, Toulouse, France
Topic: IoT services: design challenges for interoperability and virtualization

Moderator: Pr. Wahbi Mohammed

Main amphitheatre: Round Table

11:30 - 13:00 JESA
Topic: Blue economy and sustainable development

Moderator: Mr Said Berroug

13:00 - 14:30 -- Lunch Break --

14:30 - 16:00	<u>Session 6: AI for Sustainable Applications-II</u>	Main Amphitheatre	14:00 - 16:00	<u>Spring School</u>	Room 6
			14:00 - 16:00	<u>Writing Articles using Latex</u>	Prof. Aziz MAHBOUB-UAE University, Morocco



16:00 - 16:15 -- Coffee Break --

Main amphitheatre: Awards Announcement and Closing Ceremony

16:15 - 16:30 Conference Awards
16:30 - 17:00 Round Table recommendations & Closing Remark: ICDATA CHAIRS, COMMITTEE & PARTICIPANTS.



Conference Sessions

Session 1: Digital Systems & IoT

May 03th, 2023
09.30 – 10.30 GMT+1

- 55 ***An (IOT) Low-Cost monitoring system for Smart Farming**
Sail Kamal*; Abdessamad El Rharras; Rachid Saadane; Wahbi Mohammed
- 36 ***Development of an intelligent agriculture system for large agricultural fields using low energy and based on the Internet of Things**
Elhattab, Kamal*, karim Abouelmehdi, Abdelmajid Elmoutaouakkil, Said Elatar
- 37 ***Toward a Semantic Framework for Internet of Things-Aware Business Process Discovery**
Kodssi, Iman El*
- 30 ***The Intertwined Role of Big Data with Business Intelligence and Real Time Analysis: A Finance Sector perspective**
Taifi, Nouha*
- 33 ***Assessing the Readiness of Jordanian Universities for Implementing Enterprise Resource Planning (ERP) Systems: A Case Study**
Ahmad AL-Thunibat*
- 52 **Upgrading eHealth 2.0 applications to eHealth 3.0 based on QVTo mapping**
Meyma Mint Mohamed*, Naziha Laaz, Samir Mbarki

Session 2: Intelligent & Smart security

May 3th, 2023
09.30 – 10.30 GMT+1

- 29 ***Blockchain-Based System for Security and Privacy of Students' Health Records**
Mosaif Afaf*; Ouakasse Fathia; Rakrak Said
- 26 ***Phishing attacks detection over machine learning algorithms**
Sossi Alaoui Safae*; Aksasse Brahim; Farhaoui Yousef
- 51 ***Toward Improving Internet of Things (IoT) Networks Security Using Machine Learning Based Intrusion Detection System**
Mouiti Mohammed*; Elhariri Ayyoub; Habibi Omar; Lazaar Mohamed
- 41 ***Detection and mitigation of DDoS attacks in SDN using Machine Learning (ML)**
Abdoul Karim Tahirou*; Karim Konate



Session 3: Civil & Structural Engineering

May 3th, 2023
14.00 – 16.00 GMT+1

- 27 ***Determination of the face most exposed to wind effects: Application to a high-rise building in the Casablanca region (Morocco)**
Moussaoui, Raja*
- 48 ***Computation of mechanical properties of earthen matrix reinforced by straw fibers using 3D Modeling**
Regragui Soukaina Sr*; Bousfia Mohammed; El Mabchour Fatima-Ezzahra; Taha Janan Mourad ; Aboussaleh Mohamed ; Zemmouri El Moukhtar
- 06 ***LCA analysis of wooden construction systems with different thermal insulation**
Martina Fabianová* , Adriana Estokova, Lukáš Novák
- 11 ***Comparison of cement mortars with supplements by LCA methods**
Hološová Miriama*; Estokova Adriana; Fabianová Martina
- 12 *** Eco-labelling in construction sector**
Adriana Estokova* and Peter Ondo-Estok
- 57 *** Numerical simulation and performance evaluation of sand behavior models under monotonic and cyclic loading**
Safia Edaoudi, Mahmoud El Gonnouni, Mohammed Bennis, William Fuentes, Mostafa Aachib

Session 4: Renewable Energy & Smart Grids

May 4th, 2023
09.30 – 10.30 GMT+1

- 14 ***Artificial Intelligence Methods Applied To Wind And Solar Energy Forecasting: A Comparative Study**
Bouabdallaoui Doha*; Haidi Touria; Derri Mounir; Elmariami Faissal; Tarraq Ali
- 08 ***Optimized design of hybrid PV-Wind system using HOMER – Case study: Small Hotel in Casablanca**
Kouih, Manal*; Moutchou, Mohamed; Ait El Mahjoub , Abdelhafid
- 45 ***Application of a data-driven anomaly detection approach for a solar photovoltaic plant using real-time SCADA data**
Ibtihal Ait Abdelmoula* and Mohamed El Aroussi
- 13 ***Optimal Location of Wind Turbines Within a Wind Farm Using Particle Swarm Optimization,**
Mariam El Jaadi*, Touria Haidi, Abdelaziz Belfqih, Zineb El Idrissi And Meriem Majdoub



Session 5: AI for Sustainable Applications - I

May 4th, 2023
14.30 – 16.00 GMT+1

- 42 ***Machine learning techniques using the Rapid Miner tool for solar production forecasting**
ledmaoui, younes*; El Maghraoui, Adila
- 46 ***Sentiment Analysis of Tweets on Social Issues using Machine Learning Approach**
Bellar, Oumaima*
- 20 ***Brain tumor detection and segmentation using a hybrid optical method by active contour**
El-Ouarzadi Abdennacer*; Cherkaoui Anass; Bouzid Abdenbi; Essadike Abdelaziz; Achaoui Younes
- 05 ***Enhance communication for autistic people using a combination of AAC mobile applications and customizable voice generator system**
Zeffate Najoua*; Elhari Kaoutar
- 49 ***Applications of artificial intelligence in finance: prospects, limits and risks**
Sadok Hicham*, Saadane Rachid, Wahbi Mohammed

Session 6: AI for Sustainable Applications -II

May 4th, 2023
14.30 – 16.00 GMT+1

- 50 ***A Cognitive Automation Solution for Responding to Service Desk Requests**
Warren O'Connell* and Patrick Hosein
- 09 ***A novel feature selection method based on noise-resistant fuzzy rough sets**
Abdelkhalek Hadrani*, Guennoun Karim, Mohammed Wahbi
- 07 ***ChatBot Integrated with sentiment analysis: Application to E-Learning**
Qamar El maazouzi
- 15 ***New distributed partitioning approach for large spatial networks**
Hafssa AGGOUR*, Aziz MABROUK
- 22 ***Cement Dispatch Efficiency through License Plate Recognition for trucks identification and assignments**
Mohammed Toum Benchekroun*, Mehdi Sbai, Ouèdan Jhonn

Partners



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