



# JIAMA'26-Program

## 4TH INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND APPLIED MATHEMATICS



*May 12-13, 2026*

*ENSA Al-Hoceima, Morocco*

### *Sponsors and Partners*



<https://jiama26.sciencesconf.org>

# ***Welcome Message***

## **4th International Conference on Artificial Intelligence and Applied Mathematics (JIAMA'26)**

**On behalf of the organizing committee, it is our great pleasure to warmly welcome you to the 4th International Conference on Artificial Intelligence and Applied Mathematics (JIAMA'26), held under the theme:**

***\*Artificial Intelligence & Applied Mathematics in Sustainable Energy and Engineering Science\****

**The National School of Applied Sciences of Al-Hoceima (ENSAH), the LSCD Laboratory of the School of New Sciences and Engineering (ENSI), the Faculty of Sciences and Technology of Al-Hoceima (FSTH), and the Moroccan Association of Applied Mathematics and Artificial Intelligence (A2MIA) are honored to organize this prestigious international event on May 12–13, 2026, at the National School of Applied Sciences of Al-Hoceima, Morocco.**

**JIAMA'26 aims to provide an international scientific platform bringing together researchers, engineers, academics, innovators, and industry professionals from around the world to exchange ideas, present recent advances, and discuss future perspectives in the rapidly evolving fields of Artificial Intelligence, Applied Mathematics, Data Science, Engineering Sciences, Renewable Energy, Materials Science, Civil and Structural Engineering, and Environmental Sciences.**

**This conference reflects our collective commitment to promoting interdisciplinary collaboration and fostering innovative solutions to current scientific and technological challenges, particularly those related to sustainable development and intelligent engineering systems.**

**We are delighted to welcome participants from various countries and institutions whose valuable contributions through oral presentations, discussions, and scientific exchanges will undoubtedly enrich this fourth edition of JIAMA.**

**We would like to express our sincere gratitude to all keynote speakers, authors, participants, scientific committee members, partners, sponsors, and organizing teams for their dedication and support in making this conference a success.**

**We hope that JIAMA'26 will offer an inspiring environment for fruitful discussions, networking opportunities, and future collaborations.**

**We wish you an excellent conference and a pleasant stay in Al-Hoceima, Morocco.**

**Welcome to JIAMA'26**



## JIAMA'26 Program

Sessions	Google Meet Links
Plenary Conference <b>1 – 8</b>	<a href="https://meet.google.com/sbm-gixv-svt">https://meet.google.com/sbm-gixv-svt</a>

### Track 1: APPLIED MATHEMATICS

In person (Session 1-2-3-4)	Amphi B, Room 2
<b>Session Online 5</b>	<a href="https://meet.google.com/ybp-fkfs-kfx">https://meet.google.com/ybp-fkfs-kfx</a>
<b>Session Online 6</b>	<a href="https://meet.google.com/sxb-hozw-vfw">https://meet.google.com/sxb-hozw-vfw</a>
<b>Session Online 7</b>	<a href="https://meet.google.com/fev-mekq-zwh">https://meet.google.com/fev-mekq-zwh</a>
<b>Session Online 8</b>	<a href="https://meet.google.com/qkb-sueb-mbh">https://meet.google.com/qkb-sueb-mbh</a>

### Track 2: ARTIFICIAL INTELLIGENCE & COMPUTER SCIENCES

In person (Session 9-10-11)	Amphi A, Room 3 and Room 4
<b>Session Online 12</b>	<a href="https://meet.google.com/nsx-rxnq-ntt">https://meet.google.com/nsx-rxnq-ntt</a>
<b>Session Online 13</b>	<a href="https://meet.google.com/nnn-vsok-yfw">https://meet.google.com/nnn-vsok-yfw</a>
<b>Session Online 14</b>	<a href="https://meet.google.com/yvb-qtzu-pnf">https://meet.google.com/yvb-qtzu-pnf</a>
<b>Session Online 15</b>	<a href="https://meet.google.com/zkt-kimf-mjf">https://meet.google.com/zkt-kimf-mjf</a>
<b>Session Online 16</b>	<a href="https://meet.google.com/obp-cozv-qyn">https://meet.google.com/obp-cozv-qyn</a>
<b>Session Online 17</b>	<a href="https://meet.google.com/ern-xqed-myp">https://meet.google.com/ern-xqed-myp</a>

### Track 3: Smart, Sustainable Energy, Environmental Science

In person (Session 18)	Room 3
<b>Session Online 19</b>	<a href="https://meet.google.com/rbb-irxf-aeq">https://meet.google.com/rbb-irxf-aeq</a>
<b>Session Online 20</b>	<a href="https://meet.google.com/pfp-tiyz-oti">https://meet.google.com/pfp-tiyz-oti</a>



## Guest of Honor



*Pr. Anass EL HADDADI*  
Deputy Vice President, UAE



*Pr. Khadija HABOUBI*  
Director of ENSAH, UAE



*Pr. Hicham RADI*  
Director of ENSI



*Pr. Mohammed BAKKALI*  
Dean of FSTH, UAE

## General Chairs



*Younes ABOUELANOUNE*  
ENSAH, UAE



*Aicha Chorak Franky*  
ENSI, Morocco



*Adil SOUFI*  
FSTH, UAE

## Organizing Committee



*Jihad CHAKER*  
ENSI, Morocco



*Ahmed BOUJRAF*  
ENSAH, UAE



*Fariss MOURAD*  
FSTH, UAE



*Ahmed TOUKMATI*  
FSTH, UAE



*Abderrahim ZANNOU*  
FSTH, UAE

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## Keynote Speakers

### 4TH INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND APPLIED MATHEMATICS



Prof. Zakia Hammouch  
Moulay Ismail University,  
Morocco



Prof. Thieab Aldossary,  
Oxford University Innovation,  
UK



Prof. Martha P. Castellanos S.  
Vicerrectora Académica Nacional,  
Colombia



Prof. Debabrata Samanta  
Rochester Institute of Technology,  
Kosovo



Prof. Ali AKGUL  
Siirt University,  
Turkey



Prof. Emanuel Guariglia  
Sao Paulo State University  
Brazil



Prof. Bashir Saleh  
Libyan Academy for Graduate  
Studies, Libya



Prof. Suresh Aluvihar  
University of Peradeniya,  
Sri Lanka

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May 12-13, 2026

ENSA Al-Hoceima, Morocco



May 12, 2026 (Morning) Time Zone (GMT+1)	
8h00 - 9h	Registration
9h00 - 10h15	Welcome and opening Ceremony Speech
10h15 - 11h	<b>Plenary conference 1:</b>  <b>Prof. Martha P. Castellanos S.</b> <i>Vicerrectora Académica Nacional. Colombia</i>  <i>Title: <b>Mathematical Thinking and Model Validation in Artificial Intelligence</b></i>  <i>Chair: Prof. Aicha Chorak</i>
11h - 11h30	Welcome Coffee
11h30 - 12h15	<b>Plenary conference 2:</b>  <b>Prof. Thieab Aldossary</b> <i>Oxford University Innovation, UK</i>  <i>Title: <b>Computation to Commercial AI: From Theory to Deployment</b></i>  <i>Chair: Prof. Younes ABOUELHANOUNE</i>
12h15-13h30	<b>Parallel session (In person)</b>  Session 1 (Amphi B)  Session 2 (Room 2)  Session 9 (Amphi A)  Session 18 (Room 3)
13h45-15h45	Lunch Break



**May 12, 2026 (Afternoon)**  
**Online Plenary Session**  
**Time Zone (GMT+1)**

**Plenary conference 3:**

**Prof. Emanuel Guariglia**  
*Sao Paulo State University. Brazil*

**Title: Fractional calculus: from the real line to the set of quaternions**

*Chair: Prof. Fariss Mourad*

15h45 - 16h25

**Plenary conference 4:**

**Prof. Bashir Saleh**  
*Libyan Academy for Graduate Studies. Libya*

**Title: Applications of the Finite Element Method in Solving Structural, Mechanical, and Biomedical Engineering Problems Using Abaqus and LS-DYNA**

*Chair: Prof. RAMDI Mariam*

16h25 - 17h

**Parallel session (In person & Online)**

In Person	Online
Session 3 (Amphi A)	Session 5
	Session 6
	Session 7
Session 4 (Room 2)	Session 8
	Session 12
	Session 13
Session 10 (Amphi B)	Session 14
	Session 15
	Session 16
Session 11 (Room 3)	Session 17
	Session 19
	Session 20
	Session 20

17h - 19h

**Coffee Break**

19h



May 13, 2026 (Morning) Time Zone (GMT+1)	
9h - 9h45 (GMT+1)	<p><b>Plenary conference 5:</b> Online</p> <p><b>Prof. Suresh Aluvihar</b></p> <p>University of Peradeniya, Sri Lanka</p> <p><b>Title: Applications of AI Technology and Tools in the Monitoring and Management of Environmental Pollution</b></p> <p><b>Chair:</b> Mouna Tarik</p>
9h45 - 10h25 (GMT+1)	<p><b>Plenary conference 6:</b> Online</p> <p><b>Prof. Samanta Debabrata</b></p> <p>Rochester Institute of Technology, Kosovo (A.U.K)</p> <p><b>Title: Advanced Graph-Based Cognitive AI Frameworks for Complex Computational Environments</b></p> <p><b>Chair:</b> Hayat Routaib</p>
10h30 - 10h45	Break
10h45 - 11h20 (GMT+1)	<p><b>Plenary conference 7:</b> Online</p> <p><b>Pr. Ali Akgul</b></p> <p>Art and Science Faculty, Siirt University, Turkey</p> <p><b>Title: New Applications of Fractional Derivatives with Different Kernels</b></p> <p><b>Chair:</b> Zakia HAMMOUCH</p>
11h20 - 12h (GMT+1)	<p><b>Plenary conference 9:</b> Online</p> <p><b>Prof. Zakia Hammouch</b></p> <p>ENS Meknes, Moulay Ismail University, Morocco</p> <p><b>Title: Advanced integration of fractional calculus and AI for complex systems modeling</b></p> <p><b>Chair:</b> Prof. Younes ABOUELHANOUNE</p>
12h15	Closing

**May 12, 2026**  
**Time Zone (GMT+1)**

Session n° 1		Amphi B	12h - 13h30
Face to Face			
Truck 1: Applied Mathematics		Chairs: Hanane Ferjouchia / Najat Moradi / Hamza EL AZHAR	
12h	<b>ID:128</b> <b>Abdelazyz RKHISS</b> <i>From Simulation to Prediction: Wind Turbine Noise Estimation Using Convolutional Recurrent Neural Networks</i>		
12h15	<b>ID:204</b> <b>Mohsine Aarir</b> <i>A fractional two-strain epidemic model with general incidence rates and treatment</i>		
12h30	<b>ID:781</b> <b>Houria BOUASSID</b> <i>A hybrid LBD-RBF approach for the regularization and reconstruction of a wind field</i>		
12h45	<b>ID:124</b> <b>Dessie Amare Tezera</b> <i>Fractional-Order Modeling of HIV-TB Co-infection with TB Prophylaxis in South Korea</i>		
13h	<b>ID:212</b> <b>Othman Soubai</b> <i>Enhanced phonon scattering in staggered-pore silicon metamaterials: a non-equilibrium molecular dynamics study</i>		
13h15	<b>ID:200</b> <b>Oumayma JAHID</b> <i>A Multi-Scale Numerical Framework for the Simulation of Reactive Solute Transport in Highly Non-Stationary Porous Media</i>		



Session n° 2		Room 2	12h - 13h30
Face to Face			
Truck 1: Applied Mathematics		Chairs: Fouzia Moradi / Abdelhamid Tadmori /	
12h	<b>ID:185</b> <b>ABDELKARIM TOGOU</b> <i>Flexible Job-shop Scheduling Problem: Mathematical Models and Solution Algorithms</i>		
12h15	<b>ID:145</b> <b>Abdelilah AZGHAY</b> <i>Three weak solutions for a variable-order <math>p(\cdot)</math>-fractional Kirchhoff-type problem</i>		
12h30	<b>ID:278</b> <b>Hamza Bouda</b> <i>A Jacobi modified projection-type method for weakly singular Volterra–Hammerstein integral equations</i>		
12h45	<b>ID:220</b> <b>OUAHABI EL MILOUD</b> <i>Adjoint Operators in the Quaternionic Setting</i>		
13h	<b>ID:216</b> <b>SALMANI ABDELHAFID</b> <i>Existence of solutions for anisotropic elliptic Neumann nonlinear unilateral problem</i>		
	<b>ID:890</b> <b>AHMED TOUKMATI</b> <i>DYNAMICS OF M-HYPERCYCLIC C0-SEMGROUPS: SPECTRAL CONDITIONS AND ORBITAL BEHAVIOR</i>		



Session n° 3		Amphi A	17h - 18h45
Truck 1: Applied Mathematics		Chairs: Zakaria CHEDDOUR/ Abdelmajid Oudadess / Abdelghani Salhi	
17h		<b>ID: 110</b> <b>ASSILA KHAIREDDIN</b> <i>Adjacency Matrices of Zero-Divisor Graphs</i>	
17h15		<b>ID: 176</b> <b>Ouassima ESSAIDI</b> <i>Stabilité des modèles de Cox pénalisés: Applications dans le domaine de la santé mentale</i>	
17h30		<b>ID:744</b> <b>Abdelmonaim SAOU</b> <i>Spline Quasi-Interpolation Numerical Methods for Integro-Differential Equations with Weakly Singular Kernels</i>	
17h45		<b>ID:260</b> <b>RAYHANA DARHA</b> <i>A unified mathematical framework for explainable AI and DEA-based efficiency optimization in smart grid systems: Algorithms, theoretical foundations, and experimental validation</i>	
18h		<b>ID:154</b> <b>Samir El marzguioui</b> <i>Applying Extended Modal Analysis and Duhamel Integrals for the Time-Domain Simulation of Non-Proportionally Damped Systems</i>	



Session n° 4		Room 2	17h - 18h45
Truck 1: Applied Mathematics		Chairs: A. EL GHOULBZOURI / A. BEN ABDELLAH / EL BAKKALI Abdeslam	
17h		<b>ID:888</b> <b>Aarir Mohsine</b> <i>Optimal control of a fractional two-strain epidemic model with general incidence rates</i>	
17h15		<b>ID:211</b> <b>Abdelmajid El Bouayadi</b> <i>Modified Collocation Methods for Weakly Singular Volterra Integral Equations with Variable Exponents</i>	
17h30		<b>ID:153</b> <b>EL AOUD Hanane</b> <i>Global Existence and Blow-up of Solutions for a Class of Kirchhoff-type Parabolic Problems</i>	
17h45		<b>ID:209</b> <b>Abdelhak Bousgheiri</b> <i>Existence of Solutions for a <math>(p, q)</math>-triharmonic Kirchhoff Problem with Singular Potential</i>	
18h		<b>ID:161</b> <b>Mohamed El massaoudi</b> <i>On the Global Dynamics and Blow-Up Behavior of Weak Solutions to a Nonlocal Parabolic Problem</i>	
18h15		<b>ID:488</b> <b>Salhi Abdelghani</b> <i>Functional calculus for <math>\rho_n</math>-contractions</i>	

Session n° 5		Online	17h – 19h
		<a href="https://meet.google.com/ybp-fkfs-kfx">https://meet.google.com/ybp-fkfs-kfx</a>	
Truck 1: Applied Mathematics		Chair: Younes Fillali / Anass LAMAIZI / AMATTOUCH M. Ridouan	
17h	ID:217	Haider Abdulsada	<i>Topological Modeling of Chemical Graphs Using Wiener and Zagreb Indices</i>
17h15	ID:190	ANASS EL YOUSSEFI	<i>Multiplicity of Weak Solutions for Elliptic Problems on the Sierpinski gasket</i>
17h30	ID:156	Ahmed H. Hadi	<i>Mersenne primes in Lucas sequences</i>
17h45	ID:467	Rachid Sersif	<i>On nonhomogeneous Choquard equation with Hardy–Littlewood–Sobolev critical nonlinearity</i>
18h	ID:599	Abdessamad ASSADI	<i>Groupoid actions on categories</i>
18h15	ID:279	Chahi Hajar	<i>EXISTENCE OF RADIALLY SYMMETRIC NONNEGATIVE SOLUTIONS FOR A CLASS OF NONPOSITONE ELLIPTIC PROBLEMS IN A BALL</i>
18h30	ID:146	EL MOURABIT Chaimae	<i>Hepatitis C and Its Treatment in Tuberculosis Dynamics: Sensitivity and Optimal Control Analysis</i>
18h45	ID:218	ARHANDOU AMINE	<i>AI-Enhanced Non-Uniform Subdivision Framework for Improved Smooth Surface Modeling</i>
19h	ID:224	Doukkani saad	<i>Stochastic Epidemic Models with Vaccination and Hybrid Perturbations: A Survey</i>

Session n° 6		Online	17h - 18h45
		<a href="https://meet.google.com/sxb-hozw-vfw">https://meet.google.com/sxb-hozw-vfw</a>	
Truck 1: Applied Mathematics		Chair: Chafik ALLOUCH / Mohamed TAHRICHI	
17h	ID:398	SANAA BOUMNIDEL	<i>Some properties of un-Dunford-Pettis</i>
17h15	ID:203	BOUASABAH MOHAMMED	<i>From Present Observation to Future Uncertainty: Memory Dynamics in the Geometric Brownian Motion</i>
17h30	ID:133	Ruqaya Zwainy	<i>Numerical investigation of inelastic Fluid Flows based on Artificial Compressibility Method</i>
17h45	ID:267	Abdelbasset lagnaoui	<i>A New Class of Orlicz-Type Spaces Generated by h-Convexity</i>
18h	ID:168	Yousif A. Al-Khazraji	<i>New estimators in a partial linear model depending on an unbiased ridge regression estimator</i>
18h15	ID:683	ELGHOULBZOURI AZIZA	<i>Mechanistic Analysis of Tire–Pavement Interaction Using a 3D Contact Model</i>
18h30	ID:210	Mohammed Sennour	<i>Superconvergent product methods for solving two-dimensional Hammerstein integral equations</i>
18h45	ID:268	Maaqoul Salaheddine	<i>An efficient dimension-reduction approach of multidimensional evolution problem using the time splitting technique</i>

Session n° 7		Online	17h - 18h45
		<a href="https://meet.google.com/fev-mekq-zwh">https://meet.google.com/fev-mekq-zwh</a>	
<b>Truck 1: Applied Mathematics</b>		<i>Chair: Sarah A. Al-Ameedee / Nada Tassi</i>	
17h		<b>ID:198</b> <b>Wafa HERRI</b> <i>A Discontinuous Galerkin Pseudo-Concentration Method for Free-Surface Flows</i>	
17h15		<b>ID:282</b> <b>Redouane FOUZI</b> <i>Numerical investigation of buckling and post-buckling of FGM plates using third-order shear deformation theory</i>	
17h30		<b>ID:466</b> <b>Amina Essamy</b> <i>Incorporating meal absorption as a dynamic compartment: A novel extension of Bergman's model for T1D optimal control</i>	
17h45		<b>ID:617</b> <b>AJARCIF YOUSSEF</b> <i>Une synthèse des facteurs d'influences sur la stabilité des pentes dans la zone d'AL Hoceima</i>	
18h		<b>ID:692</b> <b>Kaoutar EL-KHATTABI</b> <i>Commutants of Certain Composition Operators on the Hardy Space <math>H^2</math></i>	
18h15		<b>ID:670</b> <b>Kawtar Larrache</b> <i>Optimal Control of Multi-Stage Epidemics: A Study Based on the <math>SSEI \{1\} \dots I \{p\}RSS</math> Framework</i>	
18h30		<b>ID:684</b> <b>Tarik boukara</b> <i>Concentration inequalities in Riesz spaces</i>	
18h45		<b>ID:165</b> <b>CHABLA KARIM</b> <i>Existence of Nontrivial Weak Solutions for Fractional <math>p</math>-Laplacian with Nonlocal Neumann Boundary Conditions</i>	



Session n° 8		Online	17h - 18h45
		<a href="https://meet.google.com/qkb-sueb-mbh">https://meet.google.com/qkb-sueb-mbh</a>	
<b>Truck 1: Applied Mathematics</b>		<i>Chair: Ahmed MOUSSAID / Mohammed KACHAD / EL MAHRAOUI Ali</i>	
17h		<b>ID:179</b> <b>Samira ZOUHRI</b> <i>Stochastic Optimal Control of SEIR Dynamics under Practical Intervention Constraints</i>	
17h15		<b>ID:123</b> <b>Oumaima Essefiani</b> <i>Estimation Approach for a Linear Quantile-Regression Model with Long-Memory Stationary GARCH Errors</i>	
17h30		<b>ID:191</b> <b>IMANE BEN MOUMEN</b> <i>Numerical Modeling Of Heat Transfer During Freezing In Porous food</i>	
17h45		<b>ID:137</b> <b>Mohamed Bourhail</b> <i>Closed-Form Approximation for the Sum of Independent Log-Normal Random Variables with Applications to Wireless Communication Systems</i>	
18h		<b>ID:831</b> <b>Imane DEHAJ</b> <i>Contrôle des dynamiques épidémiques : une approche par la contrôlabilité des systèmes non linéaires</i>	
18h15		<b>ID:195</b> <b>AYOUB ICHO</b> <i>Critical Point Approach to the Dirichlet Spectral Problem on the Sierpinski gasket</i>	
18h30		<b>ID:114</b> <b>ESSOFI Mohamed</b> <i>A Numerical and Analytical Study of Frictional Contact Phenomena in Thermo-Viscoelastic Materials</i>	
18h45		<b>ID:152</b> <b>Mohcine EL BAROUDI</b> <i>Pontryagin optimal control for SEIR with multiple delays</i>	

Session Orale n° 9		Amphi A	11h45 - 13h30
		Face to Face	
Truck 2: AI & Computer Sciences		Chairs: Abderrahim ZANNOU / Nabil KANNOUF/	
12h		<b>ID:666</b> <b>Mohamed El Felyani</b> <i>AI-Powered Intrusion Detection System and Autonomous Response Against Zero-Day Exploits and Malware</i>	
12h15		<b>ID:240</b> <b>RAMDI Mariam</b> <i>Differential Privacy on Edge Similarities for Social Network Anonymization: A Comparison with Vector Similarity and Multi-Hop Neighborhood Approaches</i>	
12h30		<b>ID:269</b> <b>Jihane Abdessadak</b> <i>Innovative approaches for privacy preserving in the era of artificial intelligence</i>	
12h45		<b>ID:272</b> <b>Mohamed El Marouani</b> <i>Automated Law Consolidation for Arabic Legislative Texts: State of the Art</i>	
13h		<b>ID:186</b> <b>Hind Abida</b> <i>Benchmarking LLMs for School Orientation Chatbots: A Comparative Study on Accuracy, Explainability, and Hallucination</i>	



Session Orale n° 10		Amphi B	17h - 19h
		Face to Face	
Truck 2: AI & Computer Sciences		Chair: Tarik BOUDAA / Sara OULADCHAIB / Jihane Abdessadak	
17h		<b>ID:244</b> <b>Boubkar AASROUN</b> <i>Explaining Recommendations with Knowledge Graph Paths</i>	
17h15		<b>ID:189</b> <b>Ouasila RIANI</b> <i>Optimized Deep Learning Intrusion Detection for IoT Networks via Fisher's Score-Based Feature Selection</i>	
17h30		<b>ID:510</b> <b>JABRI Rim</b> <i>Data Management for Reliable Predictive Analytics in Healthcare: A Survey</i>	
17h45		<b>ID:250</b> <b>ABDELLAH KRIM</b> <i>Knowledge Representation for Ethical AI: A Normative Reasoning Approach</i>	
18h		<b>ID:482</b> <b>Yassine Kharchachi</b> <i>Enhancement of the NRF-E-LEACH protocol through secondary cluster leader selection</i>	
18h15		<b>ID:259</b> <b>MOUSSAOUI MOHAMMED</b> <i>Vehicle Scheduling Problem</i>	
18h30		<b>ID:160</b> <b>Monir EL MOUNAOUI</b> <i>RD-IDS Framework: Towards A Recommendation - Driven Intrusion Detection System</i>	

Session Orale n° 11		Room 3	17h - 19h
Face to Face			
Truck 2: AI & Computer Sciences		Chair: Mouna Tarik / Dadi El Wardani / Adil MAROUAN	
17h		<b>ID:255</b> <b>Ayoub OUBENACER</b> <i>Intelligent Weather Forecasting Using Machine Learning, Deep Learning, and Real-Time Data Integration</i>	
17h15		<b>ID:238</b> <b>Abdelilah Hssassa</b> <i>Enhancing Network Anomaly Detection using CNNs and Optimized Decision Thresholds on the UNSW-NB15 Dataset</i>	
17h30		<b>ID:206</b> <b>Mohamed Benelarbi</b> <i>AI Driven Models for Fraud Detection in Financial Transactions Through Anomaly Analysis</i>	
17h45		<b>ID:151</b> <b>Bellali Oualid</b> <i>Enhancing IDS/IPS Systems Using Artificial Intelligence in Modern SOC Environments</i>	
18h		<b>ID:717</b> <b>Merouane EL AZAMI EL HASSANI</b> <i>Mapping the Paradigm Shift from Generative to Agentic AI: Architectures, Application Domains, and Emerging Directions</i>	
18hh15		<b>ID:181</b> <b>Asmae BOUFASSIL</b> <i>Towards a Formal Taxonomy and Evaluation Framework for Fine-Grained Data Lineage in Enterprise Data Catalogs</i>	



Session n° 12		Online	17h - 19h
<a href="https://meet.google.com/nsx-rxnq-ntt">https://meet.google.com/nsx-rxnq-ntt</a>			
Truck 2: AI & Computer Sciences		Chair: Imad BADI / Chaimae Kenzaoui / Ibtihal MOUHIB	
17h		<b>ID:258</b> <b>KABOURI Abdessalam</b> <i>Sentiment Analysis of Moroccan High School Students' Educational Feedback in Darija</i>	
17h15		<b>ID:263</b> <b>Samira BOUDAA</b> <i>Approaches to Conditional Semantic Textual Similarity: A Review</i>	
17h30		<b>ID:265</b> <b>Nisrine Marrakchi</b> <i>Exploratory Data Analysis and Hybrid ARIMA-Prophet-LSTM Modeling for PM10 Forecasting in Tangier</i>	
17h45		<b>ID:187</b> <b>AMAL NEJJARI</b> <i>AI-Optimized Miniaturized Microstrip Antenna on Rogers RT5880 for Sub-6 GHz 5G/6G Applications</i>	
18h		<b>ID:715</b> <b>OMAR CHAIEB</b> <i>Wrapper-Based Categorical Feature Prioritization: Enhancing Ransomware Detection Agility for R-C Infrastructure</i>	
18h15		<b>ID:120</b> <b>EL OUAJDI HIBA</b> <i>Powering Industrial Maintenance with Artificial Intelligence</i>	
18h30		<b>ID:214</b> <b>MALIKA AIT AMADI</b> <i>A Generative AI-Driven Intelligent Tutoring Framework within LMS for Enhancing Higher-Order Cognitive Skills</i>	
18h45		<b>ID:155</b> <b>Louzar Oumaima</b> <i>An Efficient Dimensionality Reduction and Deep Learning Approach for Fake News Detection on Twitter</i>	

Session n° 13		Online	17h - 19h
		<a href="https://meet.google.com/nnn-vsok-yfw">https://meet.google.com/nnn-vsok-yfw</a>	
<b>Truck 2: AI &amp; Computer Sciences</b>		<b>Chair: Anaouar Ragraoui / Driss EL ALAOUI</b>	
17h	<b>ID:233</b> <b>Saydullaev Shakhzod</b> <i>Leveraging Remittance-based financial inclusion and explainable segmentation for product design: testing explainable</i>		
17h15	<b>ID:266</b> <b>Rabie NAJEM</b> <i>Robust Architecture Selection under Computational Constraints in Neural Architecture Search</i>		
17h30	<b>ID:227</b> <b>Raximov Xasan</b> <i>Integrating AI and Circular Economy for Resource Efficiency: Path analysis</i>		
17h45	<b>ID:262</b> <b>Ibrahim ALLALI</b> <i>Fairness in Educational Risk Prediction: An Explainable AI Analysis of Low Achievement in PISA 2022 Morocco</i>		
18h	<b>ID:232</b> <b>AMAR AMAKSSOUM</b> <i>Comparative Evaluation of Machine Learning, Deep Learning, and Hybrid Approaches for Sentiment Analysis in the Low-Resource Tarifit Language</i>		
18h15	<b>ID:239</b> <b>Xushnazarova Maxzuna</b> <i>Assessing XAI-guided passive design strategies for tourism buildings in Uzbekistan: a decision support model</i>		
18h30	<b>ID:993</b> <b>El kettani Sidi Omar</b> <i>Comprehensive Benchmark Study of Predictive Maintenance Models: A Comparative Analysis of Traditional ML, DL.....</i>		
18h45	<b>ID :132</b> <b>Farah BELAMMOU</b> <i>Stress tests augmentés par Machine Learning : une évolution majeure de la gestion des risques financiers au Maroc</i>		

Session n° 14		Online	17h - 19h
		<a href="https://meet.google.com/yyb-qtzu-pnf">https://meet.google.com/yyb-qtzu-pnf</a>	
<b>Truck 2: AI &amp; Computer Sciences</b>		<b>Chair: SURESH Aluvihara / Hayat Routaib / DAOUAD Mohamed</b>	
17h	<b>ID:208</b> <b>Suyunov Dilmurod</b> <i>Business Administration and Entrepreneurship Graduate School of Business and Entrepreneurship under the Cabinet of Ministers of the Republic of Uzbekistan</i>		
17h15	<b>ID:205</b> <b>Hasnah Hmad Sameer</b> <i>A Dual-Branch Hybrid Deep Learning Framework with Feature-Level Fusion for Environmental Disaster Classification from UAV Imagery</i>		
17h30	<b>ID:243</b> <b>Rashidov Jamshid</b> <i>Leveraging AI-Based Innovation Risk Profiling and Phased Investment Decisions in Uzbekistan's Textile SMEs</i>		
17h45	<b>ID:207</b> <b>Djumanazarova Zamira</b> <i>Can Artificial Intelligence-Driven Green Banking Accelerate the Circular Bioeconomy in Sustainable Agriculture: A econometric model approach</i>		
18h	<b>ID:180</b> <b>Mohammed A. M. Abdullah</b> <i>Hybrid cnn-densenet121 architecture for intelligent waste classification in sustainable smart cities</i>		
18h15	<b>ID:235</b> <b>Egamova Mahfurat</b> <i>Estimating Eco-Tourism Carrying Capacity Using GIS and Monitoring Data: Evidence from the Suqoq Area, Tashkent</i>		
18h30	<b>ID:178</b> <b>Ouaarouss Aya</b> <i>Energy-Efficient Intelligent Data Collection in UAV-Assisted Wireless Sensor Networks</i>		

Session n° 15		Online	17h - 19h
		<a href="https://meet.google.com/zkt-kimf-mjf">https://meet.google.com/zkt-kimf-mjf</a>	
<b>Truck 2: AI &amp; Computer Sciences</b>		<b>Chair: Soukaina bouarourou / Hamidi Mohamed / Mohamed CHERRADI</b>	
17h		<b>ID:981</b> <b>Yassine Atmani</b> <i>Bridging the Gap in IoT Intrusion Detection: A Systematic Review of Feature Selection, Dataset Limitations, and Explainable AI</i>	
17h15		<b>ID:970</b> <b>EL BOUTI Kaoutar</b> <i>A Hybrid Algorithm Based on Fireworks Algorithm and tabu search for Traveling Salesman Problem</i>	
17h30		<b>ID:127</b> <b>Saad MAHMOUDI</b> <i>Secure and Scalable Federated Learning for IoT AI Applications Using Decentralized Storage and VPN Mesh</i>	
17h45		<b>ID:509</b> <b>AI Jarroudi anass</b> <i>A Review of DDoS Attack Detection in VANETs Based on Artificial Intelligence Algorithms</i>	
18h		<b>ID:174</b> <b>EL AOUNG AHMED</b> <i>Opening the Black Box: An Explainable AI (XAI) Approach to Student Orientation in Morocco using SHAP Values</i>	
18h15		<b>ID:254</b> <b>Maryam Maatallah</b> <i>A Decomposition-Driven Deep Learning Framework for Robust Bitcoin Price Forecasting</i>	
18h30		<b>ID:415</b> <b>Marouane EL ABBASSI</b> <i>Hybrid machine learning approaches for optimizing vehicle routing in Moroccan urban logistics</i>	
18h45		<b>ID:141</b> <b>Zbakh Douae</b> <i>TAXI-OUT TIME OPTIMISATION SYSTEM FOR MOHAMED V CASABLANCA AIRPORT USING LINEAR PROGRAMMING</i>	



Session n° 16		Online	17h - 19h
		<a href="https://meet.google.com/obp-cozv-qyn">https://meet.google.com/obp-cozv-qyn</a>	
<b>Truck 2: AI &amp; Computer Sciences</b>		<b>Chair: Morad Badrani / Ahmed LAHJOUJI EL IDRISSE / Jihad CHAKER</b>	
17h		<b>ID:115</b> <b>Moahmmed TANJAOUI</b> <i>New Algorithm to Generate Discrete Sobolev Orthogonal Polynomials</i>	
17h15		<b>ID:184</b> <b>Firdaus EL Outmani</b> <i>Deep Learning Approaches for Modeling Student Engagement and Academic Motivation</i>	
17h30		<b>ID:177</b> <b>khadija Benamar</b> <i>AI-Based Framework for Audio Data Quality Assessment and Interaction Analysis</i>	
17h45		<b>ID:237</b> <b>Nosurullaev Kodir</b> <i>Unlocking the potential of Explainable climate-risk economics for agriculture and water stress in Uzbekistan</i>	
18h		<b>ID:150</b> <b>Zakaria SLIMANI</b> <i>An Analytical Study of Artificial Intelligence in Chronic Disease</i>	
18h15		<b>ID:234</b> <b>Saydullaev Shakhzod</b> <i>Time-series XAI for FX rate or inflation-linked risk forecasting: transformer forecasting</i>	
18h30		<b>ID:183</b> <b>Ahmed ELMAALOU</b> <i>Ensemble Tree-Based Machine Learning for Flash Flood Susceptibility Mapping Using SAR-Derived Flood Inventories in the Drâa Basin, Morocco</i>	

Session n° 17		Online	17h - 19h
		<a href="https://meet.google.com/ern-xqed-myp">https://meet.google.com/ern-xqed-myp</a>	
<b>Track 2: AI &amp; Computer Sciences</b>		<b>Chair: OMayma MAHMOUDI / Aziz Srari / Mohamed EL MAROUANI</b>	
17h		<b>ID:637</b> <b>Sassi Naoufal</b> <i>An Affordable Mobile LiDAR Approach for Efficient 3D Analysis of Urban Traffic</i>	
17h15		<b>ID:972</b> <b>Mohammed BERHILI</b> <i>Cross-Model SHAP Agreement in Network Intrusion Detection: Consensus, Divergence, and Dataset Artifacts</i>	
17h30		<b>ID:274</b> <b>EL MANSOURI ABDELMOUGHIT</b> <i>Architecture d'Intégrité Sémantique pour les Systèmes ERP: Une Approche Neuro-Symbolique de Filtrage des Flux Big Data</i>	
17h45		<b>ID:142</b> <b>Said TAHIRI ALAOUI</b> <i>Comparative Analysis of Recurrent Neural Networks and Machine Learning Models for Asset-Liability Risk Prediction</i>	
18h		<b>ID:277</b> <b>Kaddouri chaymae</b> <i>Combination of NTRUEncrypt and PRESENT for Lightweight and Quantum-Resistant Cryptography</i>	
18h15		<b>ID:830</b> <b>Nabil SARMOUH</b> <i>AI-Driven Profiling of Entrepreneurial Competencies: A Prompt-Based LLM Approach for Structuring Entrepreneurial Success Factors from Real-World French-Language Entrepreneurial Discourse</i>	
18h30		<b>ID:162</b> <b>Amal Azeroual</b> <i>Educational datasets in the era of learning analytics and artificial intelligence</i>	
18h45		<b>ID:561</b> <b>Adnane Ouazzani Chahdi</b> <i>Comparative Analysis of Vertex Displacement Mapping (VDM) and Per-Pixel Displacement Mapping (PPDM) in Real-Time Rendering</i>	



Session Orale n° 18		Room 3	11h45 - 13h30
		Face to Face	
<b>Track 3: Smart, Sustainable Energy, Environmental Science</b>		<b>Chair: Mohamed BEROHO / Yahya EL HAMMOUDANI</b>	
12h15		<b>ID:716</b> <b>AMINA EL HAMMOUMI</b> <i>Aerodynamic design and optimization of a Darieus H-Rotor wind turbine: Structural analysis and performance optimization</i>	
12h30		<b>ID:241</b> <b>Abdeslam EL BALLOUTI</b> <i>From Organic Retardation to Autogenous Densification: Unveiling the Dual Role of Treated Wastewater Impurities in Sustainable Cementitious Composites</i>	
12h45		<b>ID:164</b> <b>My Ahmed EL HAFIDI</b> <i>Machine Learning Methods for earthquake frequency forecasting in the geographical area surrounding northern Morocco</i>	
13h		<b>ID:170</b> <b>BEN RAOUANE MINA</b> <i>Reducing Grid Energy Consumption in EV Charging Stations via Renewable Energy: A Python Simulation Study</i>	

Session Orale n° 19		Online	17h - 18h30
<a href="https://meet.google.com/rbb-irxf-aeg">https://meet.google.com/rbb-irxf-aeg</a>			
<b>Track 3: Smart, Sustainable Energy, Environmental Science</b>		<i>Chair: Mohamed S. H. ALAOUI / RIDA Loubaba / Abdelmoumen KAABAL</i>	
17h	<b>ID:136</b> <b>Hamza Labjouj</b> <i>Energy Valorization of Industrial Hemp Pressing Residues (Cannabis sativa L.) - Combustion, Anaerobic Digestion and LCA using OpenLCA</i>		
17h15	<b>ID:147</b> <b>MORABIT ABDELMAJID</b> <i>Influence of Berm Height on the Seismic Response of Breakwaters</i>		
17h30	<b>ID:215</b> <b>KHADOUR Said</b> <i>Qualité radiologique des eaux à Midelt (Maroc) : analyse du radon (222Rn) et estimation des doses pour la protection environnementale</i>		
17h45	<b>ID:271</b> <b>Fatima BADDOU</b> <i>Modeling and Simulation of the Dynamic Behavior of Bridges: Review of Existing Approaches</i>		



Session Orale n° 20		Online	17h - 18h30
<a href="https://meet.google.com/pfp-tiyz-oti">https://meet.google.com/pfp-tiyz-oti</a>			
<b>Track 3: Smart, Sustainable Energy, Environmental Science</b>		<i>Chair: Abderrahim BOULANOVAR / Douae ZBAKH</i>	
17h	<b>ID:532</b> <b>Raouan El ghazi</b> <i>A multi-objective approach for the optimal energy renovation of urban buildings based on a hybrid energy model</i>		
17h15	<b>ID:222</b> <b>Otabek Yakhyayev</b> <i>Economic Scenario model of sunflower planting structure alternatives under water-saving vs cash-crop priorities in an Uzbek irrigation command area</i>		
17h30	<b>ID:172</b> <b>AYOUB TOUHRACH</b> <i>NON-LINEAR ANALYSIS OF THE DYNAMIC VERTICAL TRACK-BRIDGE INTERACTION OF A SIMPLY SUPPORTED SKEWED RAILWAY BRIDGE</i>		
17h45	<b>ID:213</b> <b>Mirxaydarov Mirabid</b> <i>Measured energy and comfort outcomes from smart substations in district-heated apartment blocks: Real Estate Business insights</i>		
18h	<b>ID:248</b> <b>Elghouch Naoufal</b> <i>Energy, economic and environmental assessment of green hydrogen production from wind energy at the faculty of sciences and techniques of tangier</i>		

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- Each session has its own link which is valid during the event.

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