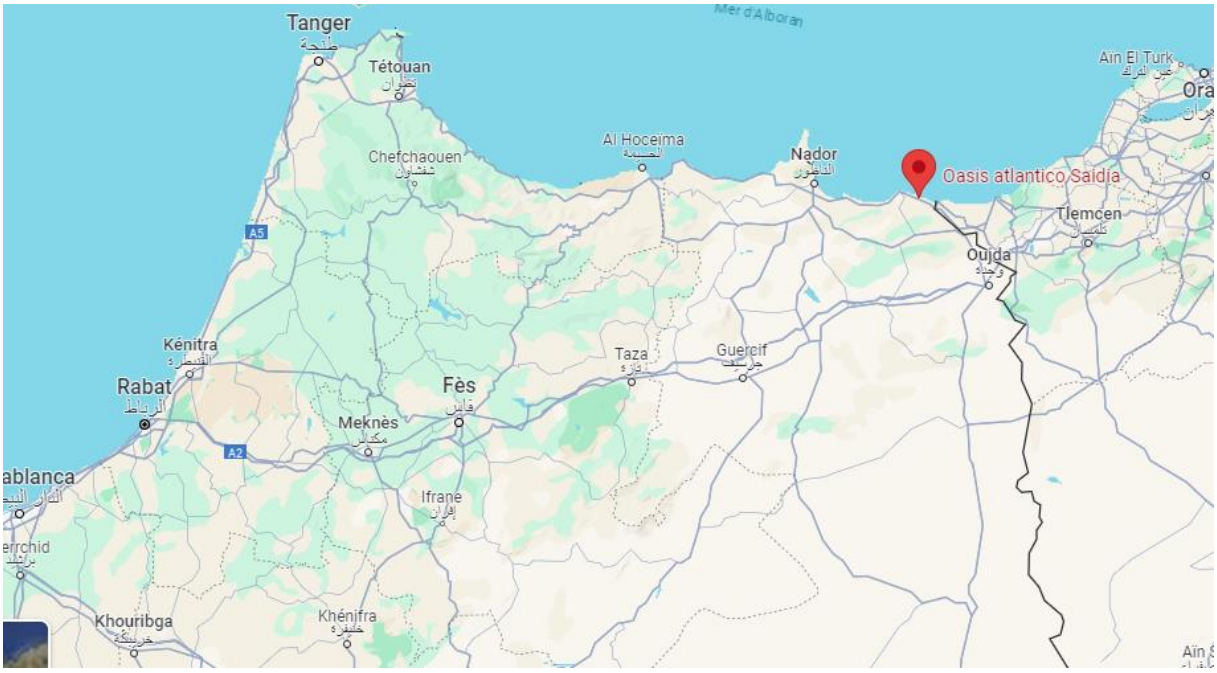
AIST4GE

THE 1ST INTERNATIONAL CONFERENCE

on Artificial Intelligence and Smart Technologies for Green Energy

MAY 15 –16, 2026, SAIDIA, MOROCCO

AIST4GE'26 VENUE: Hotel Oásis Atlantico Palace & Blue Pearl, Saidia, Morocco



TOPICS

Session I	**Intelligent PV and PV/T Solar Energy Systems**
Session II	**AI-Based forecasting for photovoltaic systems**
Session III	**Artificial Intelligence for Hydrogen and Thermal Systems**
Session IV	**Advanced Power Control of Intelligent Systems**
Session V	**Advanced Energy Management Strategies for Hybrid Systems**
Session VI	**Artificial intelligence for precision agriculture and hydraulic systems**
Session VII	**An AI-based Framework of optimized energy efficiency**

AIST4GE'26 ADVANCED PROGRAM OVERVIEW

Friday 15 May
8:30 -9:00 Registration
9:00 - 10:00 Welcome and Opening
10:00 – 10:45 **Keynote 1** **Pr. Mustapha Jouiad (University of Picardie Jules Verne, France) :Nanomaterials Engineering for Solar Energy Harvesting and Conversion**
10:45 – 11:15 Coffee Break / Poster
11:15 - 12:45 **(Room 1)** Session I-1 | **11:15 - 12 :30** **(Room 2)** Session III-1 | **11 :15 - 12:30** **(Room 3)** Session VI-1
12:45– 14:00 Lunch
14:00 – 15:00 **Keynote 2** **Prof. Jérôme Launay (LAAS/CNRS, France) :** On-site monitoring of water quality, using multi-sensor IoT platforms
15:00 – 16:15 **(Room 1)** Session II -1 | **15:00 – 16:15** **(Room 2)** Session IV-1 | **15:00– 16:15** **(Room 3)** Session VII-2
16:30 – 17:00 Coffee Break
17:0v0 – 18:00 **Keynote 3** **Prof. Jérôme Bosche (University of Picardie Jules Verne, France): The challenges of IA in the context of the energy transition**

Saturday 16 May
8:30 -9:00 Registration
9:00–10:00 **Keynote 4** **Prof. Mohammed Amine KOULALI (UMP, Morroco): Deep Learning Optimization from First principles**
10:00 – 11:30 **(Room 1)** Session I-2 | **10:00 – 11:15** **(Room 2)** Session IV-2 | **10:00 – 11:00** **(Room 3)** Session VII-1
11:15 - 11:45 Coffee Break / Poster
11:45 – 12:30 **Keynote 5** **Prof. Fernando Tadeo (University of Valladolid , Spain: Development of an Industrial Digital Twin: Challenges and Lessons Learned**
12:30 – 14:00 Lunch
14:00 – 15:00 **Keynote 6** **Prof. Lyes Khoukhi (CNAM -Paris, France): New vision of Cybersecurity in Smart intelligent Vehicles**
15:00 – 16:00 **(Room 1)** Session III-2 | **15:00 - 17:00** **(Room 2)** Session V-1 | **15:00 – 16:00** **(Room 3)** Session VI-2
16 :30 – 17 :00 : Coffee Break
17:00 – 19:00 **Keynote 7** **Prof. Mohammed Serrhini(UMP, Morroco): Navigating AI Maturity and the New Era of Intelligent Cyber Threats**
19:00-19h45 Closing Ceremony

AIST4GE‘26 ADVANCED PROGRAM OVERVIEW

AIST4GE'26 KEYNOTE SPEAKERS

Nanomaterials Engineering for Solar Energy Harvesting and Conversion.

Pr. Mustapha Jouiad
University of Picardie Jules Verne, France

Development of an Industrial Digital Twin: Challenges and Lessons Learned.

Pr. Fernando Tadeo.
University of Valladolid, Spain

The challenges of artificial intelligence in the context of the energy transition.

Pr. Jérôme Bosche.
University of Picardie Jules Verne, France

New vision of Cybersecurity in Smart intelligent Vehicles

Pr. Lyes Khoukhi
CNAM Paris University

AIST4GE‘26 ADVANCED PROGRAM OVERVIEW

On-site monitoring of water quality, using multi-sensor IoT platforms

Pr. Jérôme LAUNAY
LAAS-CNRS, France

Deep Learning Optimization from First principles

Mohammed Amine KOULALI
University Mohammed Premier, Morrocco.

Navigating AI Maturity and the New Era of Intelligent Cyber Threats

Mohammed Serrhini
University Mohammed Premier, Morrocco.

AIST4GE’26 PROGRMAM

PRESENTATION GUIDELINES

- All presentations are in English.
- Each presentation is fifteen (15) minutes long with five (5) minutes for Q/As.
- Please ensure you arrive 10 minutes before the session begins to upload your PowerPoint presentation. It's essential to start and end your presentation punctually, adhering to the designated time schedule.
- Regarding poster presentations, the posters should be displayed one hour before the beginning of the poster session and any explanation required should be provided to session chairs and visitors.

SESSIONS PROGRAM

Session I-1 **Friday, May 15, 2026** **11:15 - 12:45**	**Intelligent PV and PV/T Solar Energy Systems** **Chairs :** • **Michele Cali, University of Catania, Italy** • **Abdelhafid Messaoudi, Mohamed First University, Morocco** • **Khlifi Yamina, Mohamed First University, Morocco**
11:15 - 11:30	Experimental Comparative Analysis of Conventional and Intelligent MPPT Techniques for Photovoltaic Systems under Partial Shading **(ID: 6).** ***L. Bouselham, A. Rabhi, B.Hajji, H. Berbar and M.benhaddou***
11:30 - 11:45	A Comprehensive Review of MPPT Algorithms for Photovoltaic Systems (**ID: 11**). ***Moutaoikil Nacira, Goummar Abderrahim, Chadli Hajar, Salmi Khalid, Chadli Sara***
11:45 - 12:00	Internet of Things-Based Photovoltaics Parameter Monitoring System Using ATMEGA328P (**ID: 22**). ***Hammoudi Younes and Bouali Hicham***
12:00 - 12:15	Performance of Classical and Fuzzy MPPT Controllers in PV Pumping Systems under Fast Weather Variations (**ID: 34**). ***Mohammed Boutaybi, Yamina Khlifi, Aissa Hali***
12:15 - 12:30	Machine Learning Based Estimation of the Electric Field Around Finite Human-Skin Cylindrical Model Validated by CST Simulations (**ID: 17**) ***Khalid El Yousfi, C. Taybi, A. Ziyyat, Rafik Er-Rida, B. Elmagroud***

12:30 - 12:45	Random Forest and K-Nearest Neighbors Prediction of the Optical Properties of 2D Ultra-thin Quantum Dots under Hydrostatic Pressure (**ID: 83**) ***I. Lamrini, M. Hbibi, S. Chouef1, M. Chnafi, R. Boussetta, O. Mommadi, A. El Moussaouy, K. Laabidi, C.A. Duque***

Session I-2 **Saturday, May 16, 2026** **10:00 - 11:30**	**Intelligent PV and PV/T Solar Energy Systems** **Chairs :** • **Loubna Bouselham, ENA, Mohamed First University, Morocco** • **Samir Amraqui, Mohamed First University, Morocco** • **Tarik Jarou, Ibn Tofaïl University, Morocco**
10:00 - 10:15	Assessment of CIGS Module Degradation Using a New Translation Approach and a Five-Parameter Model Applied to Experimental I–V Characteristics **(ID: 72)**. ***Aissa Hali , Mohammed Boutaybi, Yamina Khlifi***
10:15 - 10:30	One-year performance comparison of conventional and Finned-Rib PV/T systems (**ID: 80**). ***O. El Manssouri , C. El Fouas , S. Margoum , M. Hajji , B. Hajji , S. Teixeira***
10:30 - 10:45	Numerical Investigation and Optimization of $Cs_2Au_2Br_6$-Based lead-Free Solar Cell using SCAPS-1D (**ID: 86**). ***SABIK EL YATIM, Hicham Bouali, Md. Kamrul Hasan and Akram kharmouch***
10:45 - 11:00	Thermal and Electrical Performance Enhancement of a PV/T Air Collector Using Rectangular Fins: A CFD Study (**ID: 92**). ***Inasse Benjelloul, Hicham Bouali***
11 :00-11 :15	Performance Benchmarking of Conventional and AI-Based MPPT Controllers for Photovol-taic System (**ID: 68**). ***Zineb Kadiri, Jérôme Bosche, Chakib El Bekkali, Abdelhamid Rabhi, Badre Boussoufi***
11 :15-11 :30	Performance estimation of ducted and bare tidal turbines using CFD (**ID: 20**) ***Ali Edalat, Luis Martins, Senhorinha Teixeira, José Teixeira, Fatemeh Soltanzadeh, Eduardo Pereira and José Pinho***

AIST4GE'26 ADVANCED PROGRAM OVERVIEW

Session II-1 **Friday, May 15, 2026** **15:00 -16:15**	**AI-Based Forecasting for Photovoltaic Systems** **Chairs:** • **Jérôme Bosche, Université de Picardie Jules Verne, France** • **Salah Eddine Naimi, ENSA, Mohamed First University, Morocco** • **Hassan Zahboune, EST, Mohamed First University, Morocco**
15 :00 - 15 :15	PV Power Prediction Using Artificial Intelligence Models: A Case Study of Meknes,Morocco (**ID: 47**) ***Nasyra El ouastani , Mohammed Amine Moussaoui, Samir Amraqui***
15 :15 - 15 :30	Using Machine Learning for Detection and Classification of Single and Mixed Faults in Photovoltaic Systems (**ID: 48**) ***Rajae El-Amri, Bekkay Hajji, Hanae Azzaoui and Adel Mellit***
15 :30 - 15 :45	eXplainable Artificial Intelligence (XAI) applications in solar photovoltaic systems (**ID: 33**). ***A. Mellit, B. Hajji, A. Rabhi***
15 :45 - 16:00	Smart Home Energy Management With EV-Aware Scheduling Under PV And Dynamic Pricing (**ID: 71**) ***El Aouni Abdelaziz and Naimi Salah Eddine***
16 :00 - 16 :15	Modelling of downward longwave radiation using artificial neural networks (**ID: 89**) ***Giovanni Arcidiacono, Stefano Aneli, Giuseppe Marco Tina, Bekkay Hajji, Safae Margoum, Antonio Gagliano***

AIST4GE'26 ADVANCED PROGRAM OVERVIEW

Session III-1 **Friday, May 15, 2026** **11 :15 - 12:30**	**Artificial Intelligence for Hydrogen and Thermal Systems** **Chairs :** • **Ahmed Alami Merrouni, FSO, Mohamed First University, Morocco** • **Elmiloud Chaabelasri, FSO, Mohamed First University, Morocco** • **Chaimae El Fouas, ENA, Mohamed First University, Morocco**
11:15 - 11 :30	Toward Greener Tertiary Buildings: Passive Parameter Optimization through Artificial Intelligence Forecasting and Statistical Analysis (**ID: 50**). ***Lamya Lairgi, Rachid Lagtayi, Yassir Lairgi, Abdelmajid Daya, Ahmed Khouya***
11 :30 - 11 :45	AEM Water Electrolyzer Performance Prediction and Multi-Objective Optimization Using a LightGBM-Based Surrogate Model (**ID: 52**). ***Chaymae DENDEN, Bekkay HAJJI, Abdelhamid RABHI, Jérôme BOSCHE, Jeoffrey TOURNEUR***
11 :45 - 12 :00	Artificial Intelligence Based Approach for Predicting Solar-Driven Hydrogen Production (**ID: 53**). ***Safae Aaouad, Maryam Mehdi, Ahmed Alami Merrouni***
12 :00 - 12 :15	Thermal Management of LiFePO4 Battery Modules Using a Hybrid System Based on a U-Shaped Minichannel Cold Plate and Capric Acid PCM (**ID: 54**). ***Nassreddine HMIDI, Maryam MEHDI, Ahmed ALAMI MERROUNI***
12 :15- 12 :30	Sensitivity Analysis of Key Parameters Affecting the Per-formance of a PEM Electrolyzer Using a Semi-Empirical Static Model (**ID: 96**) ***Abcha Malika, Hajji Bekkay, Pages Olivier, Essoufi Mohammed, and Rabhi Abdelhamid***

AIST4GE'26 ADVANCED PROGRAM OVERVIEW

Session III-2 **Saturday, May 16, 2026** **15 :00 - 16 :00**	**Artificial Intelligence for Hydrogen and Thermal Systems** **Chairs :** • **Nacer Msirdi, Aix Marseille Université, Marseille, France** • **Samail Zoggar, EST, Mohamed First University, Morocco** • **Mohamed Larbi Elhafyani, ENSA, Mohamed First University, Morocco**
15 :00 - 15 :15	Coupled Analysis of Nanofluid Stability and Thermal Performance in a Photovoltaic/Thermal System (**ID: 67**). ***Safae Margoum, Abdelhamid Rabhi, Bekkay Hajji***
15 :15 - 15 :30	Improvement of the electrolysis process using cylindrical electrodes through temperature variation (**ID: 75**). ***Imane MESSAOUDI, Abdelhaak AZIZ,Abdelhafid MESSAOUDI, Sanae DAHBI***
15 :30 - 15 :45	Enhancing the Efficiency of Reverse Osmosis Process: A Study on Feed Pressure, Energy Consumption, and Green Hydrogen Generation (**ID: 97**). ***Abderrahim Maftouh, Mohammed Chennaif, Omkaltoume El Fatni, Oumaima Kanibou, Yassine Ezaier and Oussama El Manssouri***
15 :45 - 16 :00	Parametric Analysis of a PEM-Based Electrochemical Hydrogen Compressor for Green Hydrogen Storage (**ID: 98**) ***Michele Calì, Sebastiano Magnano, Giuseppe Laudani, Gianfranco Di Martino, Fabio Matera***

Session IV-1 **Friday, May 15, 2026** **15:00 -16:15**	**Advanced Power Control of Intelligent Systems** **Chairs :** • **Frank Betin, Université de Picardie Jules Verne, France** • **Jamal Bouchnaif, Mohamed First University, Morocco** • **Mokhtari Mohammed, Université de Picardie Jules Verne, France**
15:00 -15:15	Robust Control Strategies for a Three-Phase Grid-Connected PV System Based on Super-Twisting & Integral Sliding Mode Control (**ID: 16**). ***Mohammed BENZAOUIA, Ahmed BENTALEB, Augustin MPANDA MABWE, Bekkay HAJJI***

15:15 - 15:30	Simulation and Analysis of Inter Turn Short Circuit Fault in a 3-Phase Induction Machine using Internal Circuit Equivalent Model (**ID: 18**). ***A. Hankour, A. Yazidi, F. Betin, M. Mokhtari***
15:30 - 15:45	Performance of Directional Relay Protection in the Presence of STATCOM (**ID: 31**). ***Youssef El mir, Anas Benslimane, Jamal Bouchnaif***
15:45 - 16:00	LMI-based Fault Estimation for Nonlinear PMSG Wind Turbine Systems using a Generalized Proportional-Integral Fuzzy Observer (**ID: 32**). ***Nassima El Youssfi, Meriem Nachidi Labourel, Houcine Chafouk***
16:00 - 16:15	A DSO Decision-Support Framework for Load Growth Assessment and Overload Mitigation in the Oujda 22 kV Distribution Network (**ID: 95**) ***Mouad Karmoun, Wafae Arfaoui, Aboubekr Allam, Smail Zouggar, Mohamed Laarbi Elhafyani and Hassan Zahboune***

Session IV -2 **Saturday, May 16, 2026** **10:00 -11 :15**	**Advanced Power Control of Intelligent Systems** **Chairs :** • **Amine Yazidi, Université de Picardie Jules Verne, France** • **Anas Benslimane, Mohamed First University, Morocco** • **Mohammed Benzaouia, UnilaSalle amiens France**
10:00 - 10:15	Comparative Study of the Performance of SPWM, SVPWM and Hysteresis Modulation Techniques for a Three-Phase Two-Level Inverter : Analysis of THD (**ID: 49**). ***Samia Boutahri, Abdelhak Lamreoua, Mohammed Rhiat, Imane Ihsane, Mostafa El Ouariachi and Kamal Hirech***
10:15 - 10:30	RL-Based TD3 Tuning of FOPI Controller for BLDC Motor Control (**ID: 85**). ***REDA ACHDAD, Ahmed Bentaleb, Abdelhamid Rabhi, and Hervé Coppier***
10:30 - 10:45	Comprehensive Analytical Model of a Phase-Shifted Full-Bridge Converter in CCM for EV Battery CC-CV Charging (**ID: 94**) ***Amine El Houre , Driss Yousfi , Mohammed Chaker, Ayoub Rahmouni , Mohammed Bachiri***

10:45 - 11:00	Wireless Power Transfer for Electric Vehicles: Comparative Analysis of Inductive and Resonant Coupling with Misalignment Effects (**ID: 91**) ***Michele CALI, Onesime OBOSSOU, Abdelhamid RABHI, Giacomo SCELBA***
11:00 - 11:15	Optimization of the sizing of hybrid PV/wind/battery systems through the integration of multi-input inverters (**ID: 100**) ***Mohammed CHENNAIF, Abderrahim MAFTOUH, Mohamed MAAOUANE, Mohamed CHNAFI, and Abdullah M. Noman***

Session V-1 **Saturday, May 16, 2026** **15 :00 - 17 :00**	**Advanced Energy Management Strategies for Hybrid Systems** **Chairs :** • **Meriem Nachidi, Université de Picardie Jules Verne, France** • **Samail Zoggar, EST, Mohamed First University, Morocco** • **Abdelmalek El Mehdi, ENSA, Mohamed First University, Morocco**
15 :00 - 15 :15	Design and Optimization of a Grid-Connected Hybrid PV/Wind/Battery System to enhance energy efficiency in Moroccan Textile Sector (**ID: 74**). ***Saida BOUHRIM, Abdellatif AZZAOUI, Ahmed ALAMI MEROUNI, El Mehdi LAADISSI***
15 :15 - 15 :30	Design and simulation of EV battery management systems (**ID: 76**). ***Meryam El Mahri,Malak Bencherqui,Tarik Jarou and Hassan Mharzi***
15 :30 - 15 :45	Optimizing Photovoltaic and Battery Capacity with Building and Electric Vehicle Demand for Curtailment Reduction in Morocco (**ID: 93**) ***Aboubekr Allam, Bouthayna Slimani, Mouad Karmoun, Hanane Chiguer, Hajar Sabir, Hassan Zahboune, and Smail Zouggar***
15 :45 - 16 :00	Energy Management with Partial Shading Detection of a Hybrid Micro-Grid for Greenhouse (**ID: 51**). ***Victor Eliasib Perez Mendez et al.***
16 :00 - 16 :15	Performance evaluation of a Battery Management System for an Islanded PV-Battery Micro-grid under Constant and Variable Loads Conditions (**ID: 66**). ***Anas Hassari, Mohammed Rhiat, Imane Ihsane and Kamal Hirech***

16 :15 - 16 :30	Optimal Design of PV/Wind/BESS/Hydrogen Hybrid System for Commercial building (**ID: 99**) ***Bouthayna Slimani , Aboubekr Allam, Hanane Chiguer, Hajar Sabir, Hassan Zahboune, Smail Zouggar***
16 :30 - 16 :45	Optimal Energy Management for Off-Grid PV-Battery Systems Optimization (**ID: 101**) ***Chaymae ABDELLAOUI, Olivier PAGES, Mohamed HAJJI, Bekkay HAJJI and Abdelhamid RABHI***
16 :45 - 17 :00	A Health-Aware Adaptive Energy Management Strategy based on ECMS for Fuel CellBattery Hybrid Vehicles (**ID: 79**). ***M. Essoufi, M. Benzaouia, B. Hajji, A. Rabhi, and B. Lahfaoui***

Session VI-1 **Friday, May 15, 2026** **11:15 -12:30**	**Artificial Intelligence for Precision Agriculture and Hydraulic Systems** **Chairs :** • **Fernando Tadeo, University of Valladolid, Spain** • **Regad Youssef, Mohamed First University, Morocco** • **Mohammed Amine Koulali, Mohamed First University, Morocco**
11:15 - 11:30	Profit-Optimal Nitrogen Under Climate Change: DSSAT-Derived EONR Across Global Staple Systems (**ID: 15**). ***Jamal ET-TOUSY, Said ET-TOUSY, Youness MAMMA, Abdellah ZYANE***
11:30 - 11:45	Artificial Intelligence and Remote Sensing for optimizing Agricultural Water Use: A Systematic Mapping Study (**ID: 24).** ***Karima MILLAD, Hajji Bekkay***
11:45 - 12:00	Hydraulic detection and analysis tools, and the most frequently used machine learning models for anomaly prediction (**ID: 26**). ***BLEJ Sanae, REGAD Youssef, BOUSHABA Farid***
12:00 - 12:15	Preliminary Review on Landfill Leachate Characterization and Treatment Challenges (**ID: 28**). ***Ikram Messaoudi, Youssef Regad, Farid Boushaba***
12:15 - 12:30	Effect of Fat Layer Thickness on 5G Power Flow and SAR: Comparative Dosimetry Analysis of Lean vs. Obese Body Models (**ID: 84**) ***Khalid El Yousfi, C. Taybi, A. Ziyyat, Rafik Er-Rida, B. Elmagroud***

AIST4GE'26 ADVANCED PROGRAM OVERVIEW

Session VI-2 **Saturday, May 16, 2026** **15:00 -16:00**	**Artificial Intelligence for Precision Agriculture and Hydraulic Systems** **Chairs :** • **Houcine Chafouk ESIGELEC, University of Rouen Normandy, France** • **Nacer Msirdi, Aix Marseille Université, Marseille, France** • **Omar Mommadi, ESEF-Ibn Zohr, Morocco**
15:00 - 15:15	A Bibliometric Analysis of Artificial Intelligence and Machine Learning Trends in Chronic Disease Management (**ID: 42**). ***Zakaria SLIMANI, Hanae AL KADDOURI, Abdelmalek Azizi, Youssef DOUZI***
15:15 - 15:30	Mitigating Pipeline Cavitation and Surge Using Polymeric Impedance Mismatches (**ID: 44**). ***Mohammed Mai, Farid Boushaba, Youssef Regad***
15:30 - 15:45	Demand-Driven Material Requirements Planning in Downstream Supply Chains: A State of the Art (**ID: 69**). ***Asmae Abouaomar, Samah Elrhanimi, Youssef Regad***
15:45 - 16:00	AgriAgent: A Heterogeneous Multi-Agent Orchestration Framework for Autonomous, Knowledge-Grounded Precision Agriculture (**ID: 27**). ***Noureddine BOUSSALA, Mohammed BERRAHAL, Mimoune YANDOUZI, Mounir GRARI, Elmiad Aissa Kerkour, Mohammed BADAOUI***

Session VII-1 **Saturday, May 16, 2026** **10 :00 - 11 :00**	**An AI-based Framework of optimized energy efficiency** **Chairs :** • **Mohammed Ghaouth Belkasmi, Mohamed First University, Morocco** • **Adel Mellit, Jijel University, Algeria** • **Mohamed Boutouba, Mohamed First University, Morocco**
10 :00 - 10 :15	Critical Success Factors in Global Software Development : A Systematic Literature Review (**ID: 19**). ***Chellal. Mostafa, Mohammed Saber and Mohammed G. Belkasmi***

10 :15 - 10 :30	Beyond Red AI: A Green Agentic-XAI Framework, for Energy-Efficient and High-Fidelity Learning Analytics (**ID: 21**). ***Khadija Himri, Celine Joiron and Mohcine Kodad***
10 :30 - 10 :45	Evaluating Deep Learning Architectures for Multivariate Time Series Forecasting: Accuracy, Efficiency, and the Learning Efficiency Score (**ID: 81**). ***ZROURI Amira, EL FARISSI Ilhame***
10 :45 - 11 :00	Virtual Lane Generation for Unmarked Roads via Adaptive Segmentation and MPC Steering Control (**ID: 55**). ***Younes El Koudia, Tarik Jarou, Elmehdi Nasri, Mohamed Bakir and Mouna El Wafi***

Session VII -2 **Friday, May 15, 2026** **15 :00 - 16 :15**	**Session IV-2: An AI-based Framework of optimized energy efficiency** **Chairs :** • **Moussaoui Omar, EST, Mohamed First University, Morocco** • **Cyril Drocourt, Université de Picardie Jules Verne, France** • **Mostafa Azizi, Mohamed First University, Morocco**
15 :00 - 15 :15	IoTScal-CoM: A QoS-Aware Collaborative Middleware for Enhancing Scalability in oneM2M-based IoT Systems (**ID: 10**). ***Abourriche Samira, Zyane Abdellah, Ghammaz Abdelilah***
15 :15 - 15 :30	Comparative QoS Analysis Between ITU-T Requirements and an Enhanced one M2M Middleware: A Proof of Concept (**ID: 14**). ***Jamal Et-tousy, Abdellah Zyane***
15 :30 - 15 :45	An Intelligent Pillbox Architecture for Medication Adherence Prediction Using Machine Learning (**ID: 37**). ***Khadija Mokhtari,Hanane El Oualy, Bekkay Hajji, and Madani Hamid***
15 :45 - 16 :00	Energy-Efficient Routing: A Distributed Algorithm for Low Earth Orbiting Satellite Networks (**ID: 39**). ***Shantanu Singh***
16 :00 - 16 :15	An Autonomous GreenOps Architecture for Real-Time Software Energy Measurement and Carbon-Aware Routing (**ID: 56**). ***Mostafa AZIZI, Abdelhak AZIZ , and Omar AZIZI***