Le Laboratoire des Systèmes Intelligents, Matériaux et Energies Durables de la Faculté des Sciences et Techniques d'Errachidia

Organise

Une conférence Internationale sur les Énergies Durables et les Systèmes Intelligents

ICSEIS'2025

10-12 Novembre 2025 - Errachidia - Maroc   Complexe Socio-cultruel Targa - Errachidia

Programme détaillé

Horaire	Lundi 10 Novembre 2025
08h30-09h30	**Réception des invités et inscription**
09h30-10h30	**Cérémonie d'ouverture :** - Mot du Président de l'Université Moulay Ismail - Mot du Président de la région Drâa-Tafilalet - Mot du Doyen de la Faculté des Sciences et Techniques d'Errachidia - Mot du Doyen de la Faculté Polydisciplinaire d'Errachidia - Mot du Directeur Régional de la transition énergétique Errachidia - Mot du Président du conseil communal d'Errachidia - Mot du comité d'organisation *Local* : Salle Polyvalente du complexe socio-culturel Targa – Errachidia **Cérémonie d'hommage**
10h30-11h00	**Pause-café**
11h00-12h00	**Conférence plénière N°1** **Pr. Moulay Brahim Sedra, ENS-UMI Meknès**, Maroc **« Fondements quantiques »** *Président : Pr. Abdel Karim DAOUDIA, FST-UMI, Errachidia*
12h00-13h00	**Conférence plénière N°2** **Pr. Abdelaziz EL GHZIZAL,** EST-USMBA, Fès **« Floating Solar: Maximizing Land and Water Resources »** *Président : Pr. El-Mahjoub BOUFOUNAS, FSTE, Errachidia* *Local* : Salle Polyvalente du complexe socio-culturel Targa – Errachidia
13h00 – 15h00	**Déjeuner**
15h00-16h00	**Conférence plénière N°3** **Pr. Edgar Casanova Gonzalez,** National Autonomous University of Mexico **« Non destructive analysis of Mexican cultural heritage. The experience of the National Laboratory of Sciences for the Research and Conservation of Cultural Heritage »** *Président : Pr. Abdellah BENAMI, FST-UMI, Errachidia*
16h00-16h30	**Pause-café**

	Session orale 1
	Présidents : Y.Khazri & L. Limouny
	Enhanced Performance of Novel Perovskite Solar Cells With SCAPS-1D Program **Lhoussayne Et-taya**
	SCAPS-1D simulation of Pb-free perovskite Ca3NI3 based solar cells **Abdelmajid El khalfi**
16h30-18h00	*Experimental and simulation investigation of Daylighting performance in a renewable energy laboratory at the Faculty of Sciences and Techniques of Errachidia Morocco* **Malika Ouhadou**
	Development of a real-time monitoring system for solar street lighting using IoT technology **Mustapha Laandour**
	Sizing Optimization of Trombe Wall for Winter Heating in Southeastern Morocco **Ali Lamrani Alaoui**
	Design and Analysis of Insensitive HexaBand Miniaturized Metamaterial Absorber **Fadwa Baijou**

Horaire	Mardi 11 Novembre 2025
09h00-10h00	**Conférence plénière N°4** **Pr. Youssef EL AFOU, ENSA, USMBA, Fès,** **« Supervision intelligentes des systèmes Mécatronique »** *Président : Pr. Nawfal JEBBOR, FST-UMI, Errachidia*
10h00-11h00	**Conférence plénière N°5** **Pr. Muamer Kadic,** Marie & Louis Pasteur University, France **'' TBA ''** *Président : Pr. Youssef EL HASSOUANI, FST-UMI, Errachidia*
11h00-11h30	**Pause-café**
	Session orale 2
	Présidents : M. Ouhadou, A. Amrani & Z. EL Idrissi
	Energy Management and Control of a Stand-Alone PV-TEG Hybrid System with Electrolyzer-Fuel Cell and Battery Storage in a DC Microgrid **Issam Bekki**
	Robust Quasi-Integral Sliding Mode Control for PMSG-based Wind Energy Conversion Systems. **Ibrahim El Idrissi**
11h30 – 13h00	*A fast terminal sliding mode control for maximum power point tracking of a standalone photovoltaic system* **Jawhar Aiboudi**
	The Influence of Oxidation-Induced Functional Grading on SS316L Pipe Dynamics: A COMSOL Multiphysics and MATLAB Study **Khalid Ait Cheikh**
	Evaluating L and LCL Filters for Grid Connected Inverter Applications under Variable Load Profile **Fatima Zahra Bourki**
	A Comparative Performance Analysis of Bidirectional Buck-Boost and Cuk Converters for PV-Battery Systems, **Hind Mouheddani**

13h00 – 15h00	**Déjeuner**
15h00 – 16h00	**Conférence plénière N°6** **Pr. Mohammed El Ghzaoui,** FSDM-USMBA, Fès **«6G: The Next Frontier of Intelligent and Ubiquitous Connectivity. »** *Président : Pr. Najim MANSOUR, FST-UMI, Errachidia*
16h00-16h30	**Pause-café**

16h30 – 17h45	**Session orale 3** **Présidents : A. Baataoui & B Ouchao**
	Towards Explainable Model-Driven Engineering: A DSL for Structuring UML Elements from Text, **Zakaria Babaalla**
	Automating eco-friendly instruction generation in tourism applications using large language models **Lahbib Naimi**
	Optimized Selection and Comparative Analysis of Intent-Based Chatbot Development Tools for Business Applications **Charaf Ouaddi**
	LLM-Assisted Model-Driven Modernization of Legacy Software Systems **Hamza Abdelmalek**
	Comparative Analysis of NMI and SSIM for Image Registration Optimized by Genetic Algorithm **Khalid Akdim**

17h45-19h30	**Session orale 4 - à distance -** **Présidents : R. Taouil, L. Abaali & R. Chaibi**
	Enhanced Photovoltaic System Performance Under Dynamic Shading Conditions Using Hybrid Artificial Bee Colony Hill Climbing MPPT with Super Twisting Sliding Mode Control **H. Rizki**
	Analysis and Modeling of a Three Phase Wireless Power Transfer Charger for Battery Electric Vehicles **Marouane El Ancary**
	Simulation of a Photovoltaic-Wind Turbine Hybrid System and Potential Estimation in Southern Morocco (Tarfaya) **Yassine Boujamaoui**
	Adaptive vs Conventional Control of BLDC Motors: A Comparative Study Between RL and PID Techniques **Anwar Hasni**
	Optimization of Machine Tool Downtime Using Predictive Approaches Based on Minimalist Data **SAJIB Ibtissam**
	Emotion-Aware Adaptive Learning: Toward Intelligent and Empathic E-learning Environments **Ridouane Oubagine**
	Enhancing MODIS DATA Quality using Landsat as a reference for Improved NDVI **Siham Kharraz**

Horaire	Mercredi 12 Novembre 2025
09h00-10h00	**Conférence plénière N°7** **Pr.Md. Ferdous RAHMAN**, Begum Rokeya University, Rangpur, Bangladesh **«Device Modeling of GeSe Thin Film Solar Cells Employing P3HT as a Promising HTL Using SCAPS-1D»** *Président : Pr. Jaouad FOSHI, FST-UMI, Errachidia* *Local: Salle Polyvalente du complexe socio-culturel Targa – Errachidia*
10h00-10h30	**Pause-café**
10h30 – 12h00	**Session orale 5** **Présidents : M. Hamdaoui, A. EL Alami & M. Hanine** *Testing Black Hole Models with AI: Insights from X-ray and Gravitational Wave Observations* **I. Ezzaki** *An Intelligent Radon Detection System for Soil* **S. Khadour** *Quantum teleportation in noncommutative space and black holes theories* **M. Chacha** *Simulation Study Using SCAPS-1D Of Solar Cells Based On Cs2SnI6* **Rachid Lijane** *Simulation of lead-free Cs2TiI6 based perovskite solar cell using SCAPS-1D* **Maryam Haim** *Design and Development of Remote Laboratories for Physics Experiments in Engineering Education* **Yassine Khazri**
12h00-13h00	**Séance de clôture** - Mot du Doyen de la FSTE - Recommandations *Local : Salle Polyvalente du complexe socio-culturel Targa – Errachidia*
13h00 – 15h00	**Déjeuner**