

Conference Program

The 9th Global Symposium
on Smart Computing
and Systems

G3S'25



Timetable

KL : Keynote Lecture

CT : Contributed Talk

 All times in the program are given in GMT+1

Thursday, 27 of November

09:00	Registration and Reception 📍 Conference room hall	
10:00	Opening & Welcome from discussion Panel members 📍 Conference room	
11:00	KL	<p>Plenary session 01: Chair : Said Hamdioui 📍 Conference room</p> <p><i>Title:</i> IoT, Blockchain, Big Data Technologies and Predictive Analytics to Enable the Development of Cyber-Physical Smart Cities 🎤 Keynote Speaker: Aawatif Hayar</p>
11:45	Morning Coffee Break 📍 Conference room hall	
12:15	KL	<p>Plenary session 02: Chair : Ismail Khalil 📍 Conference room</p> <p><i>Title:</i> Silicon Nations: How AI and Chips Are Rewriting Global Power 🎤 Keynote Speaker: Said Hamdioui</p>
13:00	Lunch Break	
15:00	KL	<p>Plenary session 03: Chair : Aawatif Hayar 📍 Conference room</p> <p><i>Title:</i> AI Agents: Building Autonomy That Thinks, Acts, and Collaborates 🎤 Keynote Speaker: Ismail Khalil</p>
15:45	CT	<p>Session 01: Chair : Youssef EL MOURABIT 📍 Conference room</p> <p><i>Title:</i> Applied AI & Domain-Specific Solutions</p>
15:45	CT	<p>Session 02: Chair : Mohamed BINIZ 📍 Room 1 Bloc C</p> <p><i>Title:</i> Cybersecurity & Trustworthy AI Ecosystems</p>
17:45	Afternoon Coffee Break 📍 Conference room hall	

Friday, 28 of November

09:00		Registration and Reception 📍 Conference room hall	
09:30	KL	Plenary session 04: Chair : Mohamed BAKHOUYA 📍 Conference room	<i>Title:</i> IoSat, revolution of AI via Satellites 🎤 Keynote Speaker: Mohamed Kayyali
10:15	KL	Plenary session 05: Chair : Moulay Driss EL OUADGHIRI 📍 Conference room	<i>Title:</i> Empowering Socio-Technical communities using IoT and Blockchain, Technologies 🎤 Keynote Speaker: Mohamed BAKHOUYA
11:00		Morning Coffee Break 📍 Conference room hall	
11:30	CT	Session 03: Chair : Driss AIT OMAR 📍 Conference room	<i>Title:</i> Distributed Computing & Edge Intelligence
14:30		Lunch Break	
16:30	CT	Session 04: Chair : Abderrazak Farchane 📍 Conference room	<i>Title:</i> Computer Vision & Autonomous Perception
16:30	CT	Session 05: Chair : Lekbir Afraites 📍 Room 1 Bloc C	<i>Title:</i> Intelligent Decision Systems & Recommender Models
16:30	CT	Session 06: Chair : Imane Chakour 📍 Online Session https://meet.google.com/tci-yefb-kgo	<i>Title:</i> Theoretical Foundations & Advanced Models
18:30		Afternoon Coffee Break 📍 Conference room hall	

Saturday, 29 of November

09:00 -12:00		Social Event, Excursion	
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Keynote Lecture 01

Title: IoT, Blockchain, Big Data Technologies and Predictive Analytics to Enable the Development of Cyber-Physical Smart Cities

Aawatif Hayar,📍 *UM6P / University Hassan II Casablanca, Morocco*

KL

Keynote Lecture 02

Title: Silicon Nations: How AI and Chips Are Rewriting Global Power

Said Hamdioui,📍 *Delft University of Technology, Netherlands*

KL

Keynote Lecture 03

Title: AI Agents: Building Autonomy That Thinks, Acts, and Collaborates

Ismail Khalil,📍 *University Linz, Austria*

KL

Keynote Lecture 04

Title: IoSat, revolution of AI via Satellites

Mohamed Kayyali,📍 *International Federation of Global & Green ICT (IFGICT), USA*

KL

Keynote Lecture 05

Title: Empowering Socio-Technical communities using IoT and Blockchain, Technologies

Mohamed BAKHOUYA,📍 *International University of Rabat, Morocco*

KL

Contributed Talks

Session 01: Applied AI & Domain-Specific Solutions

Chair : Youssef EL MOURABIT

Othman Hdioued : **Boosted Machine Learning for Fast CU Split Decision in 3D-HEVC Depth Map Inter-coding**

CT

Younes Wadiai : **A Novel AI Based Embedded System for Intelligent Solar Tracking to Enhance Renewable Energy Utilization**

CT

Nidal Ghalim : **Adaptive Deep Learning-Based Energy Control for Autonomous Vehicles under Variable Passenger Loads and Dynamic Adhesion Conditions**

CT

Mariam Berrada : **Casablanca: Morocco's smart city prototype**

CT

Chaimaa BOUAFLOUD : **Ethical Challenges of AI in Public Recruitment in Morocco**

CT

Session 02: Cybersecurity & Trustworthy AI Ecosystems

Chair : Mohamed BINIZ

Rachid Bourigue : **An Optimized Deep Neural Network for SMS Phishing Detection: A Reliable and Efficient Approach to Mobile Threat Mitigation**

CT

Mohamed Amine Meddaoui : **An Advanced Denoising Stacked Autoencoder Model for Securing 5G Networks Against Viruses**

CT

Mohamed Ech-chebawy : **Lightweight PUF-Based Authentication Protocol for IoT**

CT

Adil GHAZI : **Improving Log-based Anomaly Detection with Deep Learning Models**

CT

Taoufik El Hallal : **Federated Learning for Credit Card Fraud Detection: A Comparative Study of Logistic Regression, Random Forest, and XGBoost**

CT

Session 03: Distributed Computing & Edge Intelligence

Chair : Driss AIT OMAR

Hamza ELHAOU : **Hybrid Clustering Approach Using K-Means, SOM, and DDC for User Mobility Management in Fog Environments**

CT

Lagnfdi Oussama : **Machine Learning Based Task Offloading for Energy and Execution Time Efficient IoT Devices in MEC Environments**

CT

Youssef Oukissou : **Multi-Agent Reinforcement Learning Approaches for Resource Allocation and Task Offloading in Mobile Edge Computing Systems**

CT

Mahdi Boughrous : **UAV-CacheTrace v1.0: A 140-Million-Row Synthetic Mobility-Content Trace for Aerial Edge-Caching and Trajectory Planning Research**

CT

Fadwa Bouyaakoubi : **Accelerating Influenza Antiviral Discovery with BOINC Computing**

CT

Session 04: Computer Vision & Autonomous Perception

Chair : Abderrazak Farchane

Youssef BOUH : **Detection and Segmentation of Date Fruit Bunch Stalk Using YOLOv8 and SAM Algorithms** CT

AbdelKarim Moudni : **Semantic Segmentation of Post-flood Images Using SegFormer** CT

Rachid Bousbaa : **Facial Expression Recognition Using 3D Triangular Meshes and Graph Convolutional Networks** CT

Yassine Douich : **Radial Basis Function Neural Networks for Collision Learning and Mask Detection in Image Inpainting** CT

Mohamed Khayati : **Secure an Autonomous Driving System Using Deep Reinforcement Learning : A Simulation-Based Study in CARLA** CT

Session 05: Intelligent Decision Systems & Recommender Models

Chair : Lekbir Afraites

Mohamed Sebnat : **User Rationality Impact In Competitive CP Environment** CT

Yassine Yazidi : **Neural-Heuristic Tree of Thoughts for Augmented Sequential Reasoning in Large Language Models** CT

Amine BATSI : **CryptoGpt: An LLM-Driven Transfer Learning Approach to Cryptocurrencies Time Series Forecasting** CT

Abdeslam Charkaoui : **LLMs in Video Generation Pipelines: A Literature Review of Applications and Challenges** CT

Ismail EL OUARGUI : **A Neural Recommender for Diverse Course Suggestions in Online Learning** CT

Session 06 (Online): Theoretical Foundations & Advanced Models

Chair : Imane Chakour

Mounsif Fernane : **Empirical Study of Knowledge Graph Definitions** CT

Imane KHATTABI : **A Comparative Analysis of State-of-the-Art Multilingual Processing Systems** CT

Weam FAKIR : **Artificial Intelligence Approaches in Genomic Disease Prediction** CT

Smail LAADILA : **Enhanced Logistic-Rational Map Chaotic for Cryptographic Applications** CT

Lhoussaine AIT BEN MOUH : **Trajectory Planning based on RL Swarm Approach Applied to the Palm Harvesting System** CT

Khadija KHEDRAOUI : **Beyond Bag-of-Words: Transformers for Robust Cyberbullying Detection on Twitter** CT