

**EAI AFRICOMM 2023 - 15th EAI International  
Conference on Africa Internet infrastructure and Services**

<b>Day 1 : November 23, 2023</b>		
<b>TIME (GMT) AM</b>	<b>Sessions</b>	<b>chairs</b>
9:00 – 9:10	An opening message by the conference organizers.	Local chair
9:10 – 9:15	Message of the general chair	General chair
9:15 – 9:20	Message of the President of University Nazi BONI	Université Nazi BONI
9:20 – 9:25	Message of the Regional Director of teaching and researchs	Regional Director
9:25 – 10:10	<b>Coffee Break</b>	<b>HOTEL SISSIMA</b>
<b>10:10 – 11:10</b>	<b>Keynote 1 : OUEDRAOGO Sidi Mohamed Galiam</b> Ministry of Development of the Digital Economy and Posts (MDENP)  Development of Electronic Communications Infrastructure in Africa: How to take advantage of the potential of IMT 2020?	Pr Théodore Tapsoba
<b>11:10 – 12:50</b>	<b>Session 1 : Digital economy, e-Government, e-services and smart cities</b>	
	11:10-11:30 : 340517 -Digital Identity Frameworks: A Review <i>(Sthembile Mthethwa)</i>	Dr Mesmin Dandjinou
	11:30-11:50 : 339648 -Cloud adoption in low resource settings: A case of higher education institutions in Uganda <i>(Alex Mwotil)</i>	
	11:50-12:10 : 339898 -A Blueprint for South African Public Schools ICT Infrastructure <i>(Wandile Mnyandu)</i>	
	12:10-12:30 339963 -Re-Thinking the Connectivity for Schools within the Public Education System in South Africa <i>(Alfredo Terzoli)</i>	
	12:30-12:50 : 335519 -Deep Learning Approaches for Object Detection in Autonomous Driving: Smart Cities Perspective <i>(Elmustafa Sayed Ali)</i>	
<b>12 : 50-13 : 50</b>	<b>Session 2 : ICT infrastructures for critical environmental conditions</b>	
	12:50-13:10 : 335520- Internet of Energy (IoE): A Comprehensive Review of Design, Principles, and Architectural Frameworks <i>(Elmustafa Sayed Ali)</i>	Pr Eugene C. Ezin
	13:10-13:30 : 340353 -Enhancing Power Efficiency in NB-IoT Networks: PAPR Reduction in SC-FDMA <i>(Désiré Guel)</i>	
	13:30-13:50 : 340627 -Modelling of a solar photovoltaic power supply for a wireless access point in a rural area <i>(Thomas Djotio Ndié)</i>	
<b>13 :50-14 : 50</b>	<b>Lunch</b>	<b>HOTEL SISSIMA</b>

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<b>TIME (GMT) PM</b>	<b>Sessions</b>	<b>chairs</b>
<b>14:50 – 16:30</b>	<b>Session 3 : Wireless network</b>	
	14:50-15:10 : 339418 -FSO transmission Link Performance Analysis for Enhancing Internet Infrastructure in Côte d'Ivoire <i>(Douatia Kone)</i>	Dr Hamadou Tall
	15:10-15:30 : 340138 -Lightweight authentication system for software-defined wireless sensor networks <i>( Amado Illy)</i>	
	15:30-15:50 : 340628 -A K-means based approach for Optimal Gateway Deployment in LoRaWAN-SIM <i>( Thomas Djotio Ndié)</i>	
	15:50-16:10 : 340297 -Assessing the Impact of Web Caching on Resource Utilization in Low-Capacity Networks <i>( Joshua Okuthe)</i>	
	16:10-16:30 : 340647 –Channel Allocation Based K-Medoids in a Wireless Mesh Network <i>( Thomas Djotio Ndié)</i>	
<b>16 : 30-17 : 30</b>	<b>Session 4 : E-health</b>	
	16:30-16:50 : 339846 -Digitization of Patient Records in Maxillofacial and Stomatology Surgery: The Case of the Maxillofacial and Stomatology Surgery Unit at SominDolo Hospital in Mopti, Mali. <i>(Seydou Golo Barro)</i>	Pr Ghislain Ateazing
	16:50-17:10 : 339834 -Design of an Electronic Health Record Module in the Pediatrics Department of the Ouahigouya Regional University Hospital Center <i>(Seydou Golo Barro)</i>	
	17:10-17:30 : 340343 -Emergency Severity Index (ESI), a more suitable system for emergencies in Burkina Faso <i>(Roland Tougma)</i>	
<b>19 : 00</b>	<b>Gala Diner</b>	<b>HOTEL SISSIMA</b>

<b>Day 2 : November 24, 2023</b>		
<b>TIME (GMT) AM</b>	<b>Sessions</b>	<b>chairs</b>
9:15 – 10:15	<b>Keynote 2: Pascal Urien, Télécom Paris</b> Building Trust with secure elements and open technologies: crypto device use cases	Pr. Rashid Abdulhaleem Saeed
<b>10:15 – 10:50</b>	<b>Coffee Break</b>	<b>HOTEL SISSIMA</b>
<b>10:50 – 12:10</b>	<b>Session 5 : Cybersecurity and Privacy</b>	
	10:50-11:10 : 335283 -The State of Data Breaches in the African Cyberspace: A Trend Analysis Using Social Media and Research Literature <i>(Jabu Mtsweni)</i>	Dr Didier BASSOLE and Pr Bi Tra GOORE
	11:10-11:30 : 340133 -Advancing Mobile Money Payments Through Blockchain and Interoperability Protocols <i>(Pascal Urien)</i>	
	11:30-11:50 : 340263 -Blackhole attack detection and countermeasure solution in RPL <i>(Hamadoun Tall)</i>	
	11:50-12:10 : 339523 - Social Engineering Attacks On The Cyber-Physical System: Human Cyber And Physical Impacts <i>( Robert Makila)</i>	
<b>12 : 10-13 : 50</b>	<b>Session 6 : Cybersecurity and Privacy</b>	
	12:10-12:30 : 340113 -Proposal of honeypot - based datamining methods for discovering intrusions in big data databases <i>( kanga koffi)</i>	Dr Borlli Michel Jonas SOME
	12:30-12:50 : 340541 -Potential Cyber Threats to the National General Elections in SA <i>(Thuli Mkhwanazi)</i>	
	12:50-13:10 : 340537 -Intersection of Electronic Security and Digital Forensics: Data Protecting Techniques and Uncovering Data Clues <i>( Norman Nelufule)</i>	
	13:10-13:30 : 337169-Emerging Phishing Attack Trends: A South African Case Study <i>(Jabu Mtsweni)</i>	
	13:30-13:50 : 335498 5G Network Security: Unraveling Vulnerabilities and Innovating Defense Mechanisms <i>(Elmustafa Sayed Ali)</i>	
<b>13 :50-14 : 50</b>	<b>Lunch</b>	<b>HOTEL SISSIMA</b>

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<b>TIME (GMT) PM</b>	<b>Sessions</b>	<b>chairs</b>
<b>14:50 – 16:30</b>	<b>Session 7 : Systems and cloud computing</b>	
	14:50-15:10 : 340648-Proposal for a formal definition to the problem of migration of a virtual machine <i>(Thomas Djotio Ndié)</i>	Dr Téléspore Tiendrébeogo
	15:10-15:30 : 340119 -Investigating Cost-Effective Computing Infrastructure for Schools/Community Centres Using Raspberry Pis <i>( Alfredo Terzoli)</i>	
	15:30-15:50 : 340535 -Digital Forensics Investigations: Major Challenges in Mobile and Cloud Forensics <i>( Norman Nelufule)</i>	
	15:50-16:10 : 340476 -A cloud-based drones model for detection and tracking of stationary and motion-based snakes in farms in marginalized rural areas: A preliminary study <i>( Phumlani Simelane)</i>	
	16:10-16:30 : 337162 A Domain Specific Language (DSL) for agro-ecosystems modeling and simulation <i>(YANOGO Jean-Armand)</i>	
<b>17:00 – 18:00</b>	<b>Visiting places</b>	<b>Local chair</b>

<b>Day 3 : November 25, 2023</b>		
<b>TIME (GMT) AM</b>	<b>Sessions</b>	<b>chairs</b>
9:15 – 10:15	<b>Keynote 2: Alain MILLE, Université Claude Bernard Lyon, <i>Artificial Intelligence in Africa: for which development?</i></b>	Pr Oumarou SIE
10:15 – 10:50	Coffee Break	<b>HOTEL SISSIMA</b>
<b>10:50 – 12:30</b>	<b>Session 8 : Artificial Intelligence</b>	
	10:50-11:10 : 337117-Leveraging Conversational AI for Accelerating User-driven Software Testing <i>(Tegawendé Bissyandé)</i>	Pr Oluwatope Ayodeji
	11:10-11:30 : 340349 -Integration of artificial intelligence with diabetic data for increasingly personalized medicine <i>(Madiop Diouf)</i>	
	11:30-11:50 : 329284 -Question design using NLP <i>(Maty Sene Kane)</i>	
	11:50-12:10 : 339964 -Edge- AI and Internet of Things for intelligent Systems : Architectures, Applications and Future Perspectives <i>(Fatou Diop)</i>	
	12:10 : 12:30 : 340718-Comparative study of Name Entity Recognition models in Burkina Faso context <i>(Tiemounou Sibiri)</i>	
<b>12 : 30-13 : 20</b>	<b>Session 9 : Ontology and data preparation</b>	
	12:30-12:50 : 339229-PLAVIDA, an annotation tool for audio and video in African languages <i>(Go Issa Traore)</i>	Dr Bery Mbaissoum
	12:50-13:10 : 339867 -Towards a framework for the preparation of high quality data for use by machine learning algorithms <i>(Rasidatou Nabi)</i>	
	13:10-13:20 : 340646-CAOGen: An Automatic Ontology Constructor Based on Data Mining Techniques <i>( Cyril Deyou)</i>	
<b>13 :20-14 : 20</b>	<b>Lunch</b>	<b>HOTEL SISSIMA</b>

<b>Day 3 : November 25, 2023</b>		
<b>TIME (GMT) PM</b>	<b>Sessions</b>	<b>Chairs</b>
<b>14:20 – 15:50</b>	<b>Session 10 : Responsible Artificial Intelligence for Sustainable Development in Africa (workshop)</b>	
	14:20-14:50 : 340273 -Artificial Intelligence for the Analysis of the Security Situation in Burkina Faso <i>(Abdoul Fataoh Kabore)</i>	Pr Malo Sadouanouan
	14:50-15:10 : 339866 -Analysis, design and implementation of a ripe mango detection program in Burkina Faso <i>(Roland Tougma)</i>	
	15:10-15:50 : 339967 -Financial Fraud Detection Using Rich Mobile Money Transaction Datasets <i>(Denish Azamuke)</i>	
<b>15 : 50 – 16 : 50</b>	<b>Session 11 : Responsible Artificial Intelligence for Sustainable Development in Africa (workshop)</b>	
	15:50 -16:10 : 340222 -Culture ontology to enhance social cohesion <i>(Abdoul Azize Kindo)</i>	Pr Frédéric Ouédraogo
	16:10-16:30 : 339982-New zero watermarking scheme based on hyper-catadioptric system model and hyperbolic geometry <i>(Boureima Koussoube)</i>	
	16:30-16:50 : 340118 -Cotton disease detection on UAV images: A Deep Learning-based approach with YOLOv7 <i>(Zakaria Kinda)</i>	
<b>16 :50 –</b>	<b>Closing</b>	<b>Local chair</b>