

**Projet de programme des Communications FULL PAPERS**

No	Time slot	Communication Title	Author(s) & Speaker	Moderator
<b>DAY 1: November 28th, 2024 : AMPHI A600</b>				
1	03:30 pm – 03:45 pm	Dynamic Adaptation of the Modulation in a LoRa Channel According to the Link Quality	<u>Sanou, F. A.</u> ; Tall, A. & Yélé mou, T.	<b>UNB</b>
2	03:45 pm – 04:00 pm	5G Standalone Network Slicing Enabled on Top of a Multi-Access Edge Computing Environnement	<u>Diawara, M.</u> & Faye, A.	
3	04:00 pm – 04:15 pm	Predators Attacks Techniques Algorithm: A Novel Bio-Inspired Algorithm for Engineering Problems	<u>Somé, K.</u> & Bamogo, W.	
4	04:15 pm – 04:30 pm	Towards Modeling Pothole Management Ontology: Leveraging Citizen Reports for Detection	<u>Kindo, A. A.</u> ; Malo, S. & Kalmogo, L.	
5	04:30 pm – 05:00 pm	Hybrid Single-Particle Model With Thermal Dynamics and a Neural Network to Predict Lithium-Ion Battery Voltage	<u>Simpore, D.B.</u> ; Guingane, T. T.; Ouedraogo, S.; Koalaga, Z. & Zougmore, F.	
	05:00 pm – 05:30 pm	<b>Exchanges on communications</b>		
	05:30 pm	<b>COFFEE BREAK – END OF DAY 1</b>		
<b>DAY 2: November 29th, 2024: SALLE PSUT BAS</b>				
6	08:30 am – 09:00 am	<i>Keynotes</i> : IoT-based monitoring of water pollution in dams and rivers in Burkina Faso	<u>Dr Amadou TALL</u> , Université Nazi BONI	<b>LETRE</b>
7	09:00 am – 09:15 am	Enhancing Broadband Access in Urban Burkina Faso: A GIS and Machine Learning-Based Geomarketing Approach to FTTx Potential and Alternatives	<u>Kébré, M. B.</u> ; Kaboré, W., R.; Ouédraogo, S. M. G; Paul Tapsoba, P. & Sawadogo, A.	
8	09:15 am – 09:30 am	Leveraging Artificial Intelligence Based Tools to Improve Educational System in Burkina Faso	<u>Sanogo, S.</u> & Zio, S.	
9	09:30 am – 09:45 am	Thermal Regulation of an Indirect Solar Dryer With Dual Collectors	<u>Tiendrebeogo, S. E.</u> ; Tubreoumya, G. C.; Sawadogo, E. S.; Batiana, A.; Dissa, A. O. & Bere, A.	

No	Time slot	Communication Title	Author(s) & Speaker	Moderator
10	09:45 am – 10:00 am	Numerical simulation of flexible pavement using Finite Element method: Global sensitivity analysis	<u>Zio, S.</u> ; Sanogo, S. & Beidari, M.	
11	10:00 am – 10:15 am	Assessment of greenhouse gas emissions in the waste sector: case study of Polesgo's landfill (Ouagadougou, Burkina Faso)	<u>Nana, B.</u> ; Kinda, A-M. S-N.; Attaglo, N. K. G.; Ouarma, I.; Koulidiati, J. & Béré, A.	
	10:15 am – 10:45 am	<b>Exchanges on communications</b>		
	10:45 am – 11:15 am	<b>COFFEE BREAK</b>		
12	11:15 am – 11:30 am	Sustainable Irrigation and Fertilization Strategies for Maize in Arid Regions: Insights From Numerical Modeling and Simulation	<u>Ouédraogo, S. K. L.</u> ; Kabré, S.; Somda, W.; Kébré, M. B. & François, Z.	<b>LPCE</b>
13	11:30 am – 11:45 am	Spatial Distribution of Cesium-137 in the Northeastern Part of Burkina Faso	<u>Beogo, C. E.</u> ; Cissé, O. & Zougmoré, F.	
14	11:45 am – 12:00 am	Comparative study of the electronic properties of hexagonal and orthorhombic structures of RMnO <sub>3</sub> -type perovskites (R=Tb, Dy, Ho and Er) by DFT calculations	<u>Balkoulga, J. M.</u> ; Béré, A.; Sougoti, M.; Zongo, S.; Kam, S. K.; Hounkpati, V.; Jun Chen, J. & Ruterana, P.	
15	12:00 am – 12:15 am	Fault distance location on an electrical transmission line of a medium-voltage network using a new solutions of the telegraphy equations	<u>Konane, D.</u> ; Ouédraogo, W. S. B.; Compaore, W. O.; Zongo, A. ; Koalaga, Z. & Zougmoré, F.	
16	12:15 am – 12:30 am	Identification and Mitigation of Weak Points in An Electrical Network for Optimal Solar PV Power Integration	<u>Palm, S. M.</u> ; Kambou, C.; Ouedraogo, A. L.; Kabré, S.; Waita, S. & Nyangonda, T.	
	12:30 am – 01:00 pm	<b>Exchanges on communications</b>		
	01:00 pm – 02:00 pm	<b>LUNCH BREAK</b>		