



SusRES' 2022

22 July 2022, Université de Kara

3rd Joint German - West African Conference on Sustainable, Renewable Energy Systems

"Solar energy systems - the sun as an inexhaustible source"

Program

Friday, 22nd of July

Time (Togo)	Meeting room / PALCC Building
10:00	Key-Note Word of Welcome <i>President Uni. of Kara Komla SANDA & Vice-President Uni. of Wildau Jörg Reiff-Stephan</i>
	Speaker
10:15	Key-Note German-West African Partnership <i>Ambassadeur Matthias Veltin</i>
	Speaker
10:30	Key-Note Renewable energies for low income countries
	Speaker <i>Assiongbon ADANLETE ADJANOH</i>
10:50	Key-Note Enabling sustainable manufacturing by renewable energies
	Speaker <i>Sebastian Thiede</i>

Break (5min)

Session 1	Smart Living	
	Chair	Ron van de Sand
11:15	ID	106
	Title	Fluoride Removal in Synthetic Drinking Water by Electrocoagulation Using Aluminum Electrode
	Speaker	<i>Moudassirou SEDOU</i>
11:40	ID	110
	Title	Study of the resistance of plastic materials to rupture: GPPS and HIPS
	Speaker	<i>Nitale M'Balikine KROU</i>

Break (25min)

Session 2	Solar Energy	
	Chair	Dam-be Douti
12:30	ID	111
	Title	Bivariate and Partial Wavelet Coherence analysis of aerosols impact on Global Horizontal Irradiation in Cameroon
	Speaker	<i>Yaulande DOUANLA ALOTSE</i>
12:55	ID	113
	Title	Test of Solar Energy Storage by Fuel Cell Technology at Abomey-Calavi (Benin)
	Speaker	<i>KOTO N'GOBI Gabin</i>
13:20	ID	108
	Title	Utilizing Streets as a Photovoltaic Area - Mounting Systems for PV on Traffic Areas
	Speaker	<i>Jörg Reiff-Stephan</i>

Break (45min) - Lunch Break

Session 3	Sustainable Living	
	Chair	N'detigma Kata
14:30	ID	107
	Title	Artificial intelligence based computer vision: instance segmentation using Mask R-CNN
	Speaker	<i>Arafat Fousseni</i>
14:55	ID	115
	Title	A case study regarding the application of Q-learning for efficient HVAC control
	Speaker	<i>Ron van de Sand</i>
15:20	ID	114
	Title	Will my job be automated? Fathoming current and persisting impediments of automation
	Speaker	<i>Bastian Prell</i>

Break (15min)

Session 4	Electricity	
	Chair	Bastian Prell
16:00	ID	112
	Title	Generation of electricity from a hydraulic turbine in the Djonou river in Benin
	Speaker	<i>KOTO N'GOBI Gabin</i>
16:25	ID	110
	Title	Analysis of Harmonic Injection of LED and LCD Televisions in Ghana's Power Distribution System
	Speaker	<i>Raymond Gyaang</i>
16:50	ID	109
	Title	Study of the passivation of defects in the perovskite cell: application to Sahelian climate conditions
	Speaker	<i>Essodosomondom Anate</i>
17:30	Closing Ceremony	
19:00	Dinner	

Saturday, 23rd of July

10:00	Zoo visit (optional)
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