

# ICEASSM'2019 Draft Program

## (11-13/12/2019)

Wednesday, 11 December 2019	
8h00	<b>Reception of participants</b>
8h30	<b>Welcome speech</b>
8h45	Keynote by <b>Prof. Kodjo Agbossou</b> , Ing., Ph.D., MS.IEEE <b>Challenges and Opportunities of demand side management and smart grid</b>
9h15	Guest Speaker, <b>Dr. Thomas Mensah</b> ., Founder of Silicon Valley, Ghana
9h45	Guest Speaker, <b>Susan Krumdiek</b> ., Transition Engineering
10h15	<b>Question Time</b>
10h30	<b>Coffee break</b>
10h45	<b>P. Fiati</b> , Solution to the Power Crisis in Ghana: Optimization of the Transmission and Distribution of the ECG Network
11h15	<b>A. A. Salami, M. K. Kodjo, A. Guenoukpati, A.S.A. Ajavon and K. Napo</b> , Estimating hybrid mixture Weibull distribution parameters for wind energy application using Bayesian Approach
11h45	<b>Abubakar Ahmed</b> , Promoting renewable energy technologies for rural development in Nigeria,
12h15	<b>K. Hackman, I. Nelson, E. Asamoah, D. Asenso-Gyambibi and X. Li</b> , Analysis of geo-spatiotemporal data using the random forest and the support vector machines algorithms and reliability enhancement for urbanization decision support
12h45	<b>Lunch</b>
13h30	<b>N. Bonfoh, F. Dinzart and H. Sabar</b> , Optimization of thermal conductivity of hybrid composites with imperfect interfaces
14h00	<b>S. Banakiniao, O.-D. Samah, Z.M. Djibibe, K. Attipou and S. Tiem</b> , The technique of the tri-layer coating, an effective solution for the protection of earth constructions
14h30	<b>Y. Zhao, K.H. Adjallah, A. Sava and Z. Wang</b> , Period-N bifurcation identification in nonlinear dynamic systems based on simple moving average
15h00	<b>K.R. Assilevi, A.S. Ajavon and K.H. Adjallah</b> , Design of a virtual private network of intelligent microcontrollers for distributed control of an autonomous microgrid of renewable energy harvesters
15h30	<b>Coffee break</b>
16h00	<b>F. Huang, A. Sava, K.H. Adjallah and Z. Wang</b> , Benchmarking Study by Piecewise Linear Approximation of Time Domain Features for Estimating Bearings Remaining Useful Life
16h30	<b>K. Ababio and B. Simo-Kengne</b> , International evidence of herding behaviour during recent crisis: Application of Quantile (Bayesian) Regression
19h00	<b>Reception Dinner</b>

30 minutes allotted to each paper: presentation (20 min.) + questions and discussions (8 min.)

2 minutes are allotted to shift speaker.

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## (11-13/12/2019)

Thursday, 12 December 2019	
8h30	<b>Wisdom Togobo (Director, Renewable Energy, Ministry of Energy)</b> Ghana's Renewable Energy, Success Story.
9h15	<b>S.O. Frimpong, I.E. Agbehadji and R. Millham,</b> Meta-heuristic Algorithm for Cost Optimization of Hybrid Renewable Energy System
9h45	<b>M.A. Nyasapoh, S.K. Debrah, N.E.L. Anku and S. Yamoah,</b> Estimation of co2 emissions of fossil fuelled power plants in Ghana: message analytical model
10h15	<b>N. Saddari, N.S.A. Derkyi and F.A. Kuranchie,</b> Assessment of biogas production potential at the household level in Ghana: a case study of Sunyani
10h45	<b>Coffee break</b>
11h00	<b>E.N. Kumi and M. Mahama,</b> GHG Emissions Reduction in the Electricity Sector: Implications of Increasing Renewable Energy Penetration in the Electricity Generation Mix
11h30	<b>A. Issa and Y. Mensah,</b> Shehu transform: extension to distributions and measures
12h00	<b>S. Fall, A. N'Guessan, F. Iraci and A. Koutouan</b> Forecasts for the French Personal and Household Services sector using Bayesian VARs
12h30	<b>Prof Bob Andoh</b> Computational Fluid Dynamics
13h00	<b>Lunch</b>
14h00	<b>S. Fall, A. N'Guessan, F. Iraci and A. Koutouan,</b> Forecasting the French Personal Services sector's wage bill: An Error-Correction VARMA approach
14h30	<b>G.K. Donkor, N.S.A. Derkyi and S. Pelz,</b> Characterization of kitchen waste for biogas and electric power potentials
15h00	<b>E. Efurumibe, A. Ujoatuonu and P. Efurumibe,</b> Optical characterization of hibiscus sabdariffa extract with aim of determining its applicability in dye-sensitized solar cells
15h30	<b>C.E. Adadja,</b> Prediction of Elastic Properties of Earth Reinforced with Rice Straw by Semi-analytical Homogenization Techniques
16h00	<b>Coffee break</b>
16h15	<b>I. Ayim, E.A. Alenyorege and W. Sefah,</b> Deamidation of glutelin from tea residue: Effect on structural and functional properties after integration of ultrasound treatment in protein fractionation
16h45	<b>F. Peprah, S. Gyamfi, M. Amo-Boateng and M. Obeng,</b> Smart solar powered egg incubator based on GSM/IOT
17h15	<b>A.A. Ashagire, K.H. Adjallah, A.G. Mezgebu and L. Tesfamariam</b> Practical Assessment of Single Wire Earth Return Distribution System for Ethiopia Rural Electrification
<b>17h30</b>	<b>IOSEA General Assembly (with Skype meeting)</b>
19h00	<b>Dinner</b>

30 minutes allotted to each paper: presentation (20 min.) + questions and discussions (8 min.)

2 minutes are allotted to shift speaker.

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<b>Friday, 13 December 2019</b>	
8h30	<b>ICEASSM'2019 Closing Session</b>
9h00	<b>IOSEA Work Meeting for the International Call for ADESFA (French Program)</b> Appui au Développement de l'Enseignement Supérieur Français en Afrique
<b>10h00</b>	<b>Coffee Break</b>
10h15	<b>The IOSEA Work Meeting for the International European Horizon 2020 Call (LC-SC3-JA-5-2020)</b> Long Term EU-Africa Partnership for Research and Innovation actions in the area of renewable energy,
<b>12h00</b>	<b>END</b>