LOCAL PRESENTATIONS/POSTERS & ON DEMAND CONTENT

Welcome to the 1st African Conference on Precision Agriculture (AfCPA). Below are lists of oral and poster presentations originating from your conference site. The list of on demand presentations were selected to be recorded in advance. A selection of these recordings are listed on your local conference agenda, but all on demand video content is available to conference registrants from the website.

CAPE COAST ORAL PRESENTATIONS

Assessment of Performance of APSIM Model with Experimental Data from the Short-term Biochar Experiment at Guinea Savanna Zone (Nyankpala), Ghana / Judith Frimpong-Manso

Integrating Models and Data to Observe the Effect of Biochar Used in a Rice-Cowpea Intercrop System on Soil Hydrological Properties / Judith Frimpong-Manso

Simulate Plant Growth Response to Biochar applications on upland rice-cowpea intercrop and Inorganic N and P on a Ferric luvisols Soil in Ghana / Judith Frimpong-Manso

Feasibility studies on developing farmer friendly rapid in-situ evaluation technique for soil quality in cocoa planation based on pocket-sized near-infrared spectroscopy and chemometrics / Ernest Teye

Socio-demographic Factors Contributing to Adoption of E-commerce by Small Agribusiness Enterprises in the Upper East Region of Ghana / Selorm Omega

CAPE COAST POSTERS

Biochar and/or Compost for Soil Quality and Maize Yield Improvement in an Acidic Ferralsol Soil in Kenya / Emmanuel Abban-Baidoo

ON DEMAND CONTENT - RECORDED

Implementation of Proximal Soil Sensing, Data Fusion and Machine Learning to Improve Phosphorus Management at a Field Scale / Abdelkrim Lachgar

Nutrient management tailored to smallholder agriculture enhances productivity and sustainability / Pauline Chivenge / Pauline Chivenge

A precision irrigation app for smart water management by farmers / Aziz Abouabdillah

Monitoring irrigation water use at large scale irrigated areas using remote sensing in water scarce environment / Mohamed Hakim Kharrou

Mechanisation of smallholders in Zambia by agrodealer development / Sven Peets

A review on Sensor based robotics agriculture: Improving traditional Agriculture Practices / Sachin C Karad

LiDAR-based soybean crop segmentation for autonomous navigation / Vitor A Higuti

Estimating soil organic carbon from cell phone images / Asim Biswas

Cashew Trees Detection and Yield Analysis using UAV-based Map / Thierry Roger Bayala

Estimating greensnap yield damage with canopy reflectance: a case study / Gabriel Dias Paiao

Market Acceptance and Willingness to Pay for Drone Technology in the Application of Pesticide for the Control of Fall Armyworm / Selorm Omega

Spectral assessment of chickpea morpho-physiological traits from space, air and ground / Ittai Herrmann


Development of Lodging Direction Determination System Using Image Processing / Yuta Arai

Monitoring Corn (Zea mays) Yield using Sentinel-2 and Machine Learning for Precision Agriculture Applications / Ahmed Kayad

Excellence in Agronomy 2030: A new CGIAR-wide initiative to deliver agronomy solutions at scale / Bernard Vanlauwe