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Ethiopian Biometric Society

The 19th Biennial Conference of the Sub Sahara African Network (SUSAN) of the International Biometric Society (IBS)

3-8 September 2025, Elilly International Hotel, Addis Ababa, Ethiopia

Host: IBS Ethiopian Region/Ethiopia Biometric Society

Detailed Programme

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Updated on 4 September 2025

#Indicates an IBS regular/student partial travel fund awardee
**Indicates a SSACAB funded fellow*

Part I: Pre-Conference Workshops: 3-4 September 2025

Day 1: Wednesday, 3 September 2025			
Time	Venue: Green Hall (1st floor)	Venue: Unison 1 Hall (3rd floor)	Venue: Horizon Hall (1st floor)
	Workshop 1 (WS1): Data Wrangling and Data Visualizations in Health Data Science with R Facilitators: Prof Temesgen Zewotir, Prof Henry Mwambi, Prof Retius Chifurira, Dr Jesca Batidzirai, Dr Mohanad Mohammed, University of Kwazulu Natal	Workshop 2 (WS2): Linear Mixed Model Analysis of Correlated Data Facilitators: Prof Alison Kelly, Clayton Forknall, The University of Queensland, Australia	Workshop 8: An open-source E-learning system for biostatistics and data science: the eR-BioStat platform Facilitators: Prof Dr Ziv Shkedy and the eR-BioStat team, Hasselt University
8:00-9:00	Registration		
9:00-10:30	WS1	WS2	WS8
10:30-11:00	Health Break		
11:00-12:30	WS1	WS2	WS8
12:30-13:30	Lunch		
13:30-15:00	WS1	WS2	
15:00-15:30	Health Break		
15:30-17:00	WS1	WS2	

17:00-18:30	Business session 1: IBS Ethiopian Region/ Ethiopian Biometric Society (EBS) Annual General Meeting (AGM) – All IBS Ethiopian Region/EBS members only	Venue: Green Hall Chair: Prof Girma Taye/ Gash Amare Dejenie Rapporteur: Bezalem Eshetu
17:00-17:15	SUSAN 2025 Conference LOC report	Anteneh Tessema Yalew
17:16-17:30	IBS Ethiopian Region/ EBS report	Tilahun Ferede Asena
17:31-17:45	IBS Ethiopian Region/ EBS plan	Belachew Melese Hunde
17:46-18:00	EBS bylaw amendment	Gezahegn Mekonnen Weldemedin
18:00-18:30	- Discussion on reports & plan and approval - Elect one more member to EC	EC & all members

Day 2: Thursday, 4 September 2025				
Time	Venue: Green Hall	Venue: Classic Hall	Venue: Unison 1 Hall	Venue: Unison 2 Hall
	Workshop 4 (WS4): Geospatial Mapping with R for Health Data Facilitators: Prof Temesgen Zewotir, Prof Henry Mwambi, Prof Retius Chifurira, Dr Jesca Batidzirai, Dr Mohanad Mohammed, UKZN	Workshop 2 (WS2): Linear Mixed Model Analysis of Correlated Data (continued) Facilitators: Prof Alison Kelly, Clayton Forknall, University of Queensland, Australia	Workshop 3 (WS3): Data Analysis, Modelling, Reporting, Output Production, and Online Content Development Using R Facilitators: Prof. Dr. Ziv Shkedy, Dr Julia Duda and the eR-BioStat team	Workshop 6 (WS6): Small Area Estimation using Official Statistics for Health Indicators Facilitators: Dr Seyifemickael Yilema, Prof Ding-Geng (Din) Chen, University of Pretoria
8:00-8:30	Registration			
8:30-10:30	WS4	WS2	WS3	WS6
10:30-11:00	Health Break			
11:00-12:30	WS4	WS2	WS3	WS6
12:30-13:30	Lunch			
13:30-15:00	WS4	WS2	WS3	Workshop 7 (WS7): Computationally Efficient Bayesian Inference for Complex Biomedical Follow-Up Data: A Semiparametric Joint Modelling with INLA Facilitators: Dr Melkamu Ferede Prof Ding-Geng (Din) Chen, University of Pretoria
15:00-15:30	Health Break			
15:30-17:30	WS4	WS2	WS3	WS7

Part II: Conference: 5-8 September 2025

Day 3: Friday, 5 September 2025		
8:00-9:00	Registration	
	Venue: Auditorium - New Building 7th Floor Master of Ceremony: Prof Girma Taye Aweke, General Secretary of the IBS SUSAN, Chair of the SC Department of Epidemiology and Biostatistics, Addis Ababa University, Ethiopia Rapporteur: Mercy Rop & Henok Waqo	
9:00-13:00	Opening Ceremony	
9:00-9:05	Welcome Address and Vote of Thanks	Dr Tilahun Asena, President of the IBS Ethiopian Region, Chair of the LOC Postdoctoral Fellow, School of Laboratory Medicine and Medical Sciences, University of KwaZulu-Natal (UKZN), South Africa
9:06-9:35	Opening remarks	Prof Abukari Alhassan, Coordinator of the IBS SUSAN Director for the West African Centre for Shea Innovation and Research (WACSIR), University for Development Studies (UDS), Ghana
		Prof Dr Iris Pigeot, President of the IBS Director of the Leibniz Institute for Prevention Research and Epidemiology, Germany
		Prof Tobias Chirwa, Director of the SSACAB Head of School of Public Health, University of the Witwatersrand, South Africa
9:35-9:45	Official opening of the Conference	Dr Fikadu Abdissa, President, Arsi University
9:46-10:45	Keynote address	From small area estimation to big-data analytics: Statistical meta-analysis approach (Din) Ding-Geng Chen, Ph.D. SARCHI Research Chair in Biostatistics and Extraordinary Professor in Biostatistics Department of Statistics, University of Pretoria, South Africa Executive Director and Professor in Biostatistics, College of Health Solutions, Arizona State University, USA
10:46-11:15	Group Photo and Health Break	

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

11:16-12:10	Keynote address (continued)	How Leaky is your data analysis pipeline? Prof Alison Kelly, University of Queensland, Australia
12:11-13:00	Invited Session 1	Venue: Auditorium - New Building 7th Floor Chair: Christopher Triggs Rapporteur: Adusie Bofa
12:11-13:00	From Fisher to XGBoost: Bridging statistical tradition and machine learning	Thomas Achia
13:00-14:00	Lunch	
	Parallel Session 1	
	PS 1.1: Biostatistics - Data Science (Co-organised by SSACAB)	Venue: Green Hall Chair: Eustasius Musenge Rapporteur: Seyifemickael Yilema
14:01-14:15	Developing clinical prognostic models to predict graft survival after renal transplantation: Comparison of statistical and machine learning Models	Getahun Awoke#
14:16-14:30	A machine learning approach towards assessing consistency and reproducibility: An application to graft survival across three kidney transplantation eras	Okechinyere Achilonu
14:31-14:45	Investigating temporal shifts in sexual behaviour clusters and their association with HIV prevalence using national survey data	Yusentha Balakrishna
14:46-15:00	Modelling repeated measurements data using the multilevel Bayesian network: A case of child morbidity	Bezalem Yirdaw#
	PS 1.2: Categorical data analysis and discrete models	Venue: Classic Hall Chair: Legesse Debusho Rapporteur: Eneles Mponda
14:01-14:15	Hierarchical outlier linkages between cluster and subject levels in a multivariate logistic regression model for child mortality data from a complex survey in Malawi	Tsirizani Kaombe
14:16-14:30	Insecticide treated net use among women in Tanzania: A multilevel modelling analysis	Taremwa Clemence#
14:31-14:45	Nutritional status of children under five in Tanzania: Estimating the variation across the flooded and non-flooded areas in Tanzania	Justine Mbukwa#

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

14:46-15:00	Childhood vaccination completion rate and determinants among children aged 12–23 months: A multilevel analysis of 2016 UDHS	Daphne Agwang*
	PS 1.3: Bayesian Methods	Venue: Unison 1 Chair: Samuel Manda Rapporteur: Melkamu Ferede
14:01-14:15	Computationally efficient Bayesian inference for semi-parametric joint models of competing risks survival and skewed longitudinal data using integrated nested Laplace approximation: A comparative study with MCMC	Melkamu Ferede
14:16-14:30	Bayesian estimation of heritability of cardiovascular health across three generations of families in Soweto, South Africa	Innocent Maposa
14:31-14:45	Diagnostic performance evaluation of algorithms of tuberculosis tests using a Bayesian estimation framework in the Start Taking Action for TB Diagnosis (Start4All) project.	Marc Henrion
14:46-15:00	Bayesian forecasting of infectious diseases using hierarchical smooth transition time series modelling	Geoffrey Singini#*
15:00-15:30	Health Break	
15:30-17:40	Invited Session 2: Strengthening (Bio)Statistics and Data Science Education and Research Resources in Sub-Saharan Africa	Venue: Auditorium - New Building 7th Floor Chair: Samuel Manda Rapporteur: Caroline Vika
15:30-15:50	Overview of the SSACAB Consortium strengthening biostatistics education in Sub-Saharan Africa	Tobias Chirwa
15:51-16:10	Discussing the long-term Moi-Brown collaboration on HIV biostatistics research training	Ann Mwangi
16:11-16:30	Presenting eR-Biostat, an open-source E-learning platform for data science education	Ziv Shkedy
16:31-16:50	Overview of the International Biometric Society's (IBS) mentoring programme in Sub-Saharan Africa	Tarylee Reddy
16:51-17:00	MRC International Statistics and Epidemiology Partnership (ISEP)	Nuredin Mohammed
17:01-17:10	Biostatistics Programme at Stellenbosch University: Successes and challenges in strengthening biostatistics capacity in Sub-Saharan Africa	Innocent Maposa
17:11-17:14	Strengthening ties: A message from Arsi University's President	Fikadu Abdissa

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

17:15-17:40	Discussion: Focusing on developing sustainable education and research pathways in the region	Discussant: Misrak Gezmu

Day 4: Saturday, 6 September 2025		
8:00-9:00	Registration	
	Parallel Session 2	
	PS 2.1: Biostatistics - Time to Event Modelling (Co-organised by SSACAB)	Venue: Green Hall Chair: Innocent Maposa Rapporteur: Anteneh Ali
9:00-9:15	Competing risk analysis of time to in-hospital death and recovered COVID-19 patients in Hawassa University Comprehensive Specialized Hospital, Hawassa, Ethiopia: A Cohort Study	Anteneh Ali
9:16-9:30	Country-level disparities in child survival across Sub-Saharan Africa: An interactive R Shiny application	Jesca Batidzirai
9:31-9:45	Copula-based multivariate survival analysis of time to first incidents of intimate partner violence among women in Ethiopia	Ashefet Mengste[#]
9:45-10:00	Examining the survival rates of prostate cancer patients in Lagos State utilizing a non-parametric approach	Oluwadoyinsayemi Kuti[#]
10:01-10:15	Comparison of time-to-event and probability models: analysing hypertension control in people living with HIV	Christabellah Namugenyi[#]
10:16-10:30	Advanced discrete-time survival analysis: A flexible framework for time-varying risk estimation and competing events	Richard Ngari
	PS 2.2: Joint Outcome Models	Venue: Classic Hall Chair: Feysal Muhammed Rapporteur: Hillary Katsabola
9:00-9:15	Dynamic predictions from longitudinal CD4 count measures and time to death of HIV/AIDS patients using a Bayesian joint model	Feysal Muhammed[#]
9:16-9:30	Enhancing two-stage joint survival models with variance shift outlier model and importance	Isaac Singini
9:31-9:45	Modelling time to switch from first line treatment regimens among adolescents and adults living with HIV in Windhoek, Namibia: A joint Modelling of longitudinal and survival data approach	Salomo Katangolo
9:45-10:00	Statistical complexities and model considerations in the joint modelling of mental health symptom clusters	Shibe Mhlongo

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

10:01-10:15	Analysis of correlated outcomes of anthropometric measurements for children under five years in Tanzania	Edgar Pallangyo[#]
10:16-10:30	Joint multistate survival and longitudinal data analysis: A methodological Review	Hillary Katsabola
	PS 2.3: Applied Statistics for Agriculture and Environment (Co-organised by Qld Alliance for Agriculture and Food Innovation, The University of Qld, Australia)	Venue: Unison 1 Chair: Alison Kelly/ Girma Aweke Rapporteur: Yidnekachew Mare
9:00-9:15	Factor analytic mixed model with an application to multi-trait multi-environment trial data analysis in common bean (*Phaseolus vulgaris L.*)	Tarekegn Argaw
9:16-9:30	Genetic improvement: a safe and sustainable solution for improved agricultural food systems	Alison Kelly
9:31-9:45	Effects of weather scenarios and fertilizer on maize growth and yield: insights from a greenhouse experiment	Souand Tahi*
9:45-10:00	High-throughput trait derivation from images of maize ears using machine learning based object detection and segmentation	Clayton Forknall
10:01-10:15	Competitiveness of West African agribusiness companies	Avoce Gbessouvegni[#]
10:16-10:30	Determinants and prediction of Teff (*Eragrostis Tef*) prices dynamics in Ethiopia: A hybrid multivariate analysis	Dereje Ababu
10:30-11:00	Health Break	
11:00-12:30	Invited Session 3	Venue: Auditorium - New Building 7th Floor Chair: Temesgen Zewotir Rapporteur: Halima Twabi
11:00-11:30	Multilevel Bayesian network to model multilevel data using Gibbs Sampling	Legesse Debusho and Bezalem Yirdaw[#]
11:31-12:00	Calibrating machine learning approaches for probability estimation in the absence of calibration data	Andreas Ziegler
12:01-12:30	Flexible methods for including random effects in hierarchical modelling frameworks	Samuel Manda
12:30-13:30	Lunch	
	Parallel Session 3	
	PS 3.1: Longitudinal Data Analysis/Mixed Effects Models	Venue: Green Hall Chair: Isaac Singini Rapporteur: Daphne Agwang

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13:31-13:45	Mixed model for assessing the impact of DTG based ART regime on weight change in Tanzanian HIV patients.	Yebelay Berhan#
13:46-14:00	Assessment of robustness of the linear mixed model under extreme irregular longitudinal data	Daniel Mashishi
14:01-14:15	Effect of metformin on neurocognitive over time in persons living with HIV: An application of mixed effects ordinal cumulative logistic regression models	Anteneh Yalew
14:16-14:30	Comparative analysis of sub-optimal statistical methods on longitudinal antibody titre data	Susanne Barnaba#
14:31-14:45	Cervical cancer screening predictors in Tanzania: A variance component models' approach of national survey 2022	Jovin Tibenderana#
14:46-15:00	Modelling determinants of household dietary diversity in rural Ethiopia: A household panel study	Teshome Dadi
	PS 3.2: Biostatistics - Causal Inference (Co-organised by SSACAB)	Venue: Classic Hall Chair: Ann Mwangi Rapporteur: Mercy Rop
13:31-13:45	Causal effect of count treatment on ordinal outcome using generalized propensity score: Application to number of antenatal care and age specific childhood vaccination	Ashagrie Iyassu
13:46-14:00	Causal estimation of exposure effects using longitudinal observational interval-censored survival data	Halima Twabi
14:01-14:15	Marginal structural models to determine the impact of rape on HIV positive women's ability to HIV care and sexual risk-taking behaviour	Nonhlanhla Yende-Zuma
14:16-14:30	Estimating the causal effect of life-course adversities on health outcomes among elderly women using marginal structural models with missing treatment data	Eneles Mponda
14:31-14:45	Causal estimation of time-varying treatments in observation studies: A methodological review of epidemiological studies	Mercy Rop
14:46-15:00	Modified robust PCA: A novel method for retinal image enhancement	Habte Likassa
	PS 3.3: Small area estimation and Spatio-temporal Modelling/Machine Learning/Probability Distribution	Venue: Unison 1 Chair: Retius Chifurira Rapporteur: Denekew Belay
13:31-13:45	Small area estimation of anaemia-risk in Ethiopian Zones by combining the survey and	Seyifemickael Yilema

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

	census dataset with hierarchical Bayes Fay-Herriot modelling	
13:46-14:00	Spatial disparities of antenatal care utilization among pregnant women in Sub-Saharan Africa: Bayesian geo-additive modelling approach	Denekew Belay
14:01-14:15	Spatial modelling of gender gap in agricultural land ownership and its determinants in Ethiopia	Dereje Dessie
14:16-14:30	Optimizing child mortality reduction strategies: A machine learning-enhanced adaptive regression discontinuity approach	Daniel Iha*
14:31-14:45	Alpha power transformation of the Lindley probability distribution	Shibiru Dugasa
14:46-15:00	On the construction of sequential initialization method for K-means clustering algorithm	Dibaba Gemechu
15:00-15:30	Health Break	

Time	Business Session 2: IBS Executive Board Members Business Meeting	Venue: Pan Africa (1st floor) Chair: Iris Pigeot Rapporteur: Tarylee Reddy
9:00-15:00	IBS Executive Board Members Annual Meeting (Only IBS Executive Board Members)	IBS Executive Board Members

15:30-17:30	Business Session 3: SUSAN 2025 AGM	Venue: Auditorium - New Building 7th Floor Chair: Prof Abukari Alhassan, Coordinator of the IBS SUSAN Rapporteur: Prof Girma Aweke, Secretary of the IBS SUSAN
15:30-15:50	SUSAN 2025 Conference LOC Report	Tilahun Asena/Anteneh Yalew
15:51-16:10	SUSAN Report	Abukari Alhassan/Girma Aweke
16:11-16:20	Next SUSAN 2027 host region election	SUSAN Officers & members
16:20-16:40	Election of SUSAN Officers 2025-2027	SUSAN

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

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	Day 5: Sunday, 7 September 2025	Facilitators
8:30-12:30	Tours and Excursions: Unity Park at the National Palace/National Museum	Participants and Transport & Accommodation Service Committee (TASC)
12:30-14:00	Lunch	
14:00-17:00	Tours and Excursions: Entoto Park/Science Museum/Victory Memorial Museum (Adwa Victory Memorial Museum)	Participants and TASC
17:30-20:30	Networking event	Venue: 2000 Habesha Cultural Restaurant
17:30-18:00	Networking event: Presentation	SSA UHasselt Alumni, SAMRC and LOC
18:00-20:30	Conference Dinner	Participants and LOC

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

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	Day 6: Monday, 8 September 2025	
8:30-10:30	Invited Session 4	Venue: Auditorium - New Building 7th Floor Chair: Tobias Chirwa Rapporteur: Merga Feyasa
8:30-9:10	The role of biostatistics in agricultural and health research - a cross-cutting discipline	Girma Aweke
9:10-9:50	Are we already FAIR? The future of data sharing	Iris Pigeot
9:50-10:30	Shifting the focus towards education and away from statistical significance: revisiting the debate on whether it is time to get rid of statistical significance in pursuit of science	Lehana Thabane
10:30-11:00	Health break	
11:00-12:30	Parallel Session 4	
	PS 4.1: Biostatistics - Data Science (Co-organised by SSACAB)	Venue: Green Hall Chair: Henry Mwambi Rapporteur: Adusie Bofa
11:00-11:15	Prediction of neonatal deaths in NICUs: Case study at Wolaita Sodo Comprehensive Specialized Hospital	Legesse Debusho
11:16-11:30	Predictors of mortality among neonates in Lusaka, Zambia: A comparative analysis of machine learning and traditional survival analysis techniques	Tshepiso Mokoena
11:31-11:45	Deep learning models for the analysis of high-dimensional survival data with time-varying covariates while handling missing data	Sarah Ogutu*
11:46-12:00	Utilization of maternal health services in Uganda: A comparison of the predictive accuracy between logistic regression and random forest techniques using UDHS 2016 data	Victoria Nakalanzi#
12:01-12:15	Prediction of household food insecurity levels in Ethiopia: using deep learning models	Habtamu Wubetie
12:16-12:30	A Machine learning approach to identifying climate change drivers in Africa's bioenergy sector	Adusie Bofa
	PS 4.2: Missing data/Clinical trials/ Disease burden estimation/ Others	Venue: Classic Hall Chair: Merga Feyasa Rapporteur: Flavia Dhikusooka
11:00-11:15	Nonparametric approaches for partially repeated data with applications to randomized trials in asthma and psychiatric symptoms	Merga Feyasa
11:16-11:30	Handling missingness in prevalence estimates from national surveys	Oyelola Adegboye

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

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11:31-11:45	Randomised trial of cotrimoxazole during pregnancy to improve birth outcomes in Zimbabwe	Bernard Chasekwa#
11:46-12:00	Assessing the impact of PCV for sustaining its benefits on pneumococcal carriage and invasive disease in Ethiopia	Brian Otieno*
12:01-12:15	Assessing the potential seasonality of COVID-19 dynamic in Africa: A mathematical modelling study	Ms Yvette Montcho
12:16-12:30	Antibiotic resistance related mortality, length of hospital stay, and disability-adjusted life years at select tertiary hospitals in Uganda: A retrospective study	Flavia Dhikusooka
	PS 4.3: Miscellaneous (Meta-analysis, Systematic Review, Bayesian, other)	Venue: Unison 1 Chair: Din Chen Rapporteur:
11:00-11:15	Evaluating generalized linear mixed models robustness for IPD meta-analysis of diagnostic tests	Diribsa Bedada#
11:16-11:30	Systematic review of genetic diversity and mutation profiling in East African Countries	Tilahun Asena
11:31-11:45	The power prior approach for zero-inflated count models: Bayesian methods for borrowing historical information in the analysis of clinical trials	Akalu Banbeta
11:46-12:00	Integrating GOF tests and cross validation for copula model selection	Kevin Otieno
12:01-12:15	Assessment of the screening uptake and health facility related facilitators, and barriers for cervical cancer screening uptake at primary health facilities in Southeast Oromia: a mixed methods study	Melat Wondimagegnehu
12:16-12:30	Validity of the 1-min sit-to-stand test to estimate cardiorespiratory fitness in childhood cancer survivors	Gezahegn Woldemedihn
12:30-13:30	Lunch	
13:30-15:00	Parallel Session 5	
	5.1: Biostatistics - Time to Event and Multistate Modelling (Co-organised by SSACAB)	Venue: Classic Hall Chair: Guadalupe Gómez-Melis Rapporteur:
13:31-13:45	Beyond illness-death: Capturing real-world disease progression with multistate models	Guadalupe Gómez-Melis
13:46-14:00	Multistate Markov model for household's food insecurity transitions and their influencing predictors during COVID-19 pandemic in Ethiopia	Henok Waqo

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

14:01-14:15	Malnutrition of under-five children in Amhara and Oromia Regions, Ethiopia: continuous time Markov multistate modelling	Dafa Wachifo
14:16-14:30	Risk factors for stroke-related functional disability and mortality at Felege Hiwot Referral Hospital, Ethiopia	Tegenu Tento
14:31-14:45	Estimating time-to-death and determining risk predictors for heart failure patients: Bayesian AFT shared frailty models with the INLA Method	Tafese Tefera
14:46-15:00	Time to blindness of glaucoma patients: The case of Hawassa University Referral Hospital, Hawassa, Ethiopia	Addisu Bayew#
	PS 5.2: Applied statistics in Agriculture and data quality	Venue: Unison 1 Chair: María Cendoya Rapporteur:
13:31-13:45	Genomic prediction with haplotype blocks in wheat	Yohannes Difabachew
13:46-14:00	Impact of heterosis level on the precision of genomic prediction of sunflower hybrids	María Cendoya
14:01-14:15	Bayesian spatio-temporal additive modeling of zonal level crop production in Ethiopia	Yidnekachew Mare
14:16-14:30	Modeling a smooth surface by a constrained bi-harmonic equation with application in soil science	Maregnesh Wolde
14:31-14:45	Using linear mixed model based wavelet smoothing to model non-smooth trends arising from designed experiments	Clayton Forknall
14:46-15:00	Improving malaria data quality through surveillance supervision in Cameroon	Claude Nkfusal#
	PS 5.3 The IBS Executive Board Members *presentations* *(The first three the* IBS Executive Board Members *presentations and the last one from* non IBS Executive Board Member*)*	Venue: Green Hall Chair: Misrak Gezmu Rapporteur: Gezahegn Weldemedin
13:31-13:50	Statistical, engineering and clinical partnership to develop laboured breathing phenotypes from wearable sensors	Sarah Ratcliffe
13:51-14:10	Randomization techniques – theory and practice	Andrea Berghold
14:11-14:30	District level estimation of voluntary medical male circumcision in South Africa	Tarylee Reddy
14:31-14:50	Confidence intervals for comparing two independents folded normals: application to non-inferiority studies in bunion surgery	Henry Mwambi
15:00-15:30	Health Break	
15:30-17:00	Invited Session 4 & Panel Discussion	Venue: Auditorium - New Building 7th Floor Chair: Tarylee Reddy

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.

		Rapporteur:
15:30-16:00	Pragmatic clinical trials in limited resource setting	Lehana Thabane
16:01-17:00	Challenges of young (bio)statisticians in Africa (Panel Discussion)	Panellists • Nonhlanhla Yende-Zuma • Young panellists from various SUSAN regions (Benin, Ethiopia, Kenya, Malawi, South Africa, Uganda)
		Chair: Girma Aweke Rapporteur: Anteneh Yalew
17:00-17:30	Closing remark	LOC chair, SUSAN Coordinator, IBS President

Each contributed presentation format: 13 minutes presentation and 2 minutes Q & A.