	Monday November 28th 2016
	Young Statisticians Day *Instructor: Prof. Richard De Veaux, Williams College (USA)* *Title: Successful Data Mining in Practice*
	09:00 to 12:30 and 14:00 to 17:30

	Tuesday November 29th 2016
08:30 – 09:00	*Registration*
09:00 – 10:00	*Opening ceremony*
10:00 – 10:30	*Coffee break*
10:30 – 11:30	**Keynote Lecture** Speaker: C. Demétrio , *University of Sao Paulo (Brasil)* Title: Formulating mixed models for experiments, including longitudinal experiments
11:30 – 12:30	**Contributed Session 1(moved on friday)** Mixed effect models and Bayesian methods **Contributed Session 2 (moved on friday)** Unsupervised statistical learning: methods and applications
12:30 – 14:00	*Lunch*
14:00 – 14:45	**Invited Paper** Speaker: A. Adékpédjou, *University of Missouri-Science & Technology (USA)* Title: Confidence bands for quantiles as a function of the covariates in recurrent events models
14:45 – 15:45	Tutorial **(cancelled)** GLMs and extensions: part 1 **Contributed Session 3** Statisticical modelling and model's fitting
15:45 – 16:15	*Coffee break*
16:15 – 17:00	**Invited Paper** Speaker: A. Gégout-Petit, *Université de Lorraine, CNRS, INRIA (France)* Title: Two-step centered spatio-temporal auto-logistic regression model
17:00 – 18:00	**Contributed Session 4** Statistical modelling and inference **Contributed Session 5** Statistics in Life Sciences

	Wednesday November 30th 2016
08:30 – 09:30	**Contributed Session 6** Supervised statistical learning: methods and applications **Contributed Session 7** Statistics in Medecine
09:30 – 10 :30	**Keynote Lecture** Speaker: M. Gezmu, *National Institute of Allergy and Infectious Diseases, National Institutes of Health (USA)* Title: Collaborative research in low and middle income countries and the need for in country biostatisticians
10:30 – 11:00	*Coffee break*
11:00 – 12:30	**Special Invited Papers Session 1** Gamma processes for deterioration modelling in reliability **Special Invited Papers Session 2** Global sensitivity analysis of an agent-based model Of lorenthaceae dispersal
12:30 – 14:00	*Lunch*
14:00 – 14:45	**Invited Paper** Speaker: D.K. Shangodoyin, *University of Botswana (Botswana)* Title: On the theoretical specification of Poisson-Autoregressive model for analyzing time series count
14:45 – 15:45	**Tutorial** GLMs and extensions: part 1 **Contributed Session 8** Stochastic modeling with applications
15:45 – 16:15	*Coffee break*

16:15 – 17:00	**Invited Paper** Speaker: L. Bordes, *Université de Pau et des Pays de l'Adour, CNRS (France)* Title: Semiparametric consistent estimators for recurrent event times models based on parametric virtual age functions
17:00 – 18:00	**Contributed Session 9** Statistical methods and inference **Contributed Session 10** Statistics in Economics and Computer Sciences

Thursday December 1st 2016		
08:30 – 09:30	**Tutorial** GLMs and extensions: part 2	**Contributed Session 11** Statistics in Epidemiology
09:30 – 10 :30	**Keynote Lecture** Speaker: R. De Veaux, *Williams College (USA)* Title: The Seven Deadly Sins of Big Data	
10:30 – 11:00	*Coffee break*	
11:00 – 12:30	**Special Invited Papers Session 3** Statiscal modeling of both cure rate and time to cure	**Special Invited Papers Session 4** Present and Future Uses of the Four Parameter Logistic Model
12:30 – 14:00	*Lunch*	

Friday December 2nd 2016		
08:30 – 09:30	**Tutorial** GLMs and extensions: part 3	**Contributed Session 2** Unsupervised statistical learning: methods and applications
09:30 – 10 :15	**Invited Paper** Speaker: A. Alioum, ISPED, INSERM, Université de Bordeaux (France) Title: Estimating HIV incidence from HIV diagnosis surveillance data: a penalized likelihood approach	
10:15 – 10:45	*Coffee break*	
10:45 – 11:45	**Contributed Session 1** Mixed effect models and Bayesian methods	**Round table** Statistical capacity building in biostatistics
11:45 – 12:30	**Invited Paper** Speaker: C. Kokonendji, *Université de Franche – Comté, CNRS (France)* Title: Estimation of the number of zeros and log-convexity of probability generating function	
12:30 – 14:00	*Lunch*	
14:00 – 15:00	**Keynote Lecture** Speaker: E. Fokoué, *Rochester Institute of Technology, New-York (USA)* Title: *TBA*	
15:00 – 16:00	**Feedback**	
16:00 – 16:30	*Coffee break*	
16:30 – 17:00	*Closing ceremony*	

Contributed Session 1
Mixed effect models and Bayesian methods

Siaka Lougue	Bayesian mixed effects multinomial modeling of malnutrition using informative priors
Aubin Amagnide, Romain Glèlè Kakaï	Longitudinal data analysis: fitting an optimal variance-covariance structure under linear mixed effects models framework
Gbememali Castro Hounmenou, Aurel C. Allabi, Romain L. Glèlè Kakaï	Parameter estimation in nonparametric nonlinear mixed effect model: application to sparse data from population pharmacokinetic

Contributed Session 2
Unsupervised statistical learning: methods and applications

Application to sparse data from population pharmacokinetic

Osa Ekhator, Joseph Osemwenkhae	K-means Versus K-medoids Clustering- A Comparative Study
Christian Sadem Kenfack	Nonlinear principal component analysis as a benchmarking tool for ocean models: sea surface temperature of tropical Atlantic
Joseph Johnson	Principal Components Analysis of the Causes of high blood pressure at Komfo Anokye Teaching Hospital, Ghana

Contributed Session 3
Statisticical modelling and model's fitting

Nosakhare Ekhosuehi, Festus Opone	A two-parameter akash distribution and its application to lifetime data
Etienne Ouedraogo, Simplice Dossou-Gbété	A new likelihood method for three-parameter weibull distribution fitting
Patrick Osatohanmwen, Francis Oyegue, Sunday Ogbonmwan	A New statistical model for extreme wind speed frequency analysis: the Gumbel-Burr XII distribution

Contributed Session 4
Statistical modelling and inference

Saliou Diouf, Aliou Diop	Extreme value theory for infinite series of processes with random coefficients
Alix Akwada Gounoung	Estimators of the Method of Moments and Construction of estimator-processes, called multi-step MLE-process
Merveille Koissi Savi, Romain Glèle Kakaï	Toward a revisiting of permutation test in analysis of variance

Contributed Session 5
Statistics in Life Sciences

François Koladjo, Élisabeth Gassiat, Mesrob Ohannessian	A semi-parametric model for estimating the number of species
Bruno Lokonon, Romain Glèlè Kakaï	On Generalized Linear Models (GLM) With Poisson Family: Applications In Ecology
Alpha Oumar Diallo, Aliou Diop, Jean François Dupuy	Analysis of multinomial counts with joint zero-ination, with an application to health economics

Contributed Session 6
Supervised statistical learning: methods and applications

Chamberalin Mbah	Large scale prediction modelling with multiple cohorts
Seydou Nourou sylla, Stéphane Girard, Abdou Kâ Diongue, Cheikh Sokhna, Aldiouma Diallo	Hierarchical kernel applied to mixture model for the classification of binary predictors
Augustine Iduseri	On the Use of Predictive Discriminant Analysis in Academic Prediction

Contributed Session 7
Statistics in Medecine

Oumy Niass, Abdou Ka Diongue, Philippe Saint-Pierre, Michel Matar Faye, Aissatou Touré	Flexible Semi-Markov model based on a modified Weibull distribution with an illustration for serological malaria disease
Yannick NiamsI Emalio	Spatio-temporal modeling of the dynamics of Cholera in Cameroon between 2011 and 2014
Maryam Diarra	Genome-wide association study (GWAS) for malaria phenotypes from a longitudinal study in Senegal

Contributed Session 8
Stochastic modeling with applications

Assi N'Guessan	Stochastic modeling of road safety using data crash
Lebede Ngartera Athanase	Statistical analysis and prediction model of Dakar Air Quality Index (AQI)
Franck Adekambi	Moments of the discounted renewal cash flows with dependence

Contributed Session 9
Statistical methods and inference

Serge Somda, Edmond Sanou, Armel Soubeiga	Defining a new sampling system in African urban statement based on spatial estimation
Zango Oumarou, Rey Hervé, Bakasso Yacoubou, Lecoustre René, Aberlenc Frédérique	Local practices and knowledge associated with date palm cultivation in south eastern Niger
Francis Ezeh, Cyril Ishiekwene	Interaction in Factorial Design and its Relation to Epidemiological Interaction: A Review
Arsene Brunelle Sandie, Tchatchueng Jules Brice	On type I error in non-inferiority test with variable margin: simulations study

Contributed Session 10
Statistics in Economics and Computer Sciences

Jean Etienne Ndamlabin Mboula, Vivient Corneille Kamla, Jeremie Serge Wouansi Towo, Clémentin Tayou Djamegni	A Survey of Energy and Carbon-Efficient Management of Data Centers for Cloud Computing
Oyebimpe Adeniji	GARCH ; Nigeria Stock Index ; Length baised Scaled ; t and Beta Slewed ; t distributions
Jean Etienne Ndamlabin Mboula, Vivient Corneille Kamla, Jeremie Serge Wouansi Towo, Clémentin Tayou Djamegni	Grid's Acquaintance-Based Multiagent Model of distributed Meta-Scheduling

Contributed Session 11
Statistics in Epidemiology

Dioggban Jakperik, Makafui Azasoo, Albert Luguterah	Modelling the determinants of fertility differentials among women of child bearing age in ghana
Serge Somda, Thomas Filleron	Confidence interval for survival functions: Comparison of different methods
Francis Ezeh, Cyril Ishiekwene	Interaction in Factorial Design and its Relation to Epidemiological Interaction: A Review

Special Invited Papers Session 1
Gamma processes for deterioration modelling in reliability

Sophie Mercier	Probabilistic construction and properties of gamma processes
Christian Paroisin	Statistical inference for gamma process under various sampling schemes
Mitra Fouladirad	Condition-based maintenance for Gamma deteriorating systems

Special Invited Papers Session 2
Global sensitivity analysis of an agent-based model of lorenthaceae dispersal

Vivient Corneille Kamla	
Igor Tchappi Haman	
Samuel Tamene Kenfack	
Emmanuel Dimitry Ngounou Ntoukam	

Special Invited Papers Session 3
Statiscal modeling of both cure rate and time to cure

Olayidé Boussari	A partial review of cure models with an application to French cancer Registries data to improve patients' access to insurance and credit.
Olayidé Boussari	Modeling both cure rate and time to cure with a regression model of surviving fraction
Laurent Bordes	Goodness-of-fit tests based on non- and semi-parametric estimation of the proportional excess hazards model

Special Invited Papers Session 4
Present and Future Uses of the Four Parameter Logistic Model

Misrak Gezmu	
Nancy Flournoy	A New Model for Bioassay Data
Eloi Kpamegan	Assessing Goodness-of-Fit of Non-Linear Models During Calibration Inference in Immunoassays

Special Invited Papers Session 5
Session cancelled