



Monday

IPM 13 Hall 2A Stochastics of Genome

BS

- 09:00 Organiser and chair: *Jun Liu*
- 09:05 [Inferring coancestry of genome segments in populations](#)
Elizabeth Thompson
- 09:35 [A Bayesian approach to RNAi data analysis](#)
I-Shou Chang, Chung-Hsin Chen, Chih-Yu Chen, Chao Hsiung
- 10:05 Transcription Initiation bias in disease states
Winston Hide, Christopher Maher, Oliver Hofmann
- 10:35 Discussant: *TBA*
- 11:05 Open discussion

IPM 23 Hall 2BH Contemporary methodological challenges in Social Statistics

IAOS

- 09:00 Organiser and chair: *Michel Glaude*
- 09:05 [Social statistics in India; Challenges and New Initiatives](#)
Jogeswar Dash



- 09:35 [Monitoring Educational Participation: ten studies on the quality of household survey data versus administrative and census data](#)
Diane Stukel, Yassamin Feroz-Zada
- 10:05 [Towards a Uniformed System of Social Statistics](#)
Anders Sundström
- 10:35 Discussant: *Nancy Gordon*
- 11:05 Open discussion

IPM 40

**Hall
2C**

Balancing the training of future statisticians for workplace and research

IASE

Organiser and chair: *Helen MacGillivray*

- 09:00 The Likelihood Principle in Statistics
- 09:05 *Charles Rohde*
- 09:30 [Balancing Theory and Application: A South African Perspective](#)
Linda Haines
- 09:55 [Training for Statisticians in a Research Organisation](#)
Murray Cameron
- 10:20 [Training Problem Solvers](#)
Pam Arroway
- 10:45 Discussant: *Pietermel Verhoeven*
- 11:10 Open discussion



IPM 47

**Hall
2D**

Designing and Conducting Surveys in Adverse Conditions

IASS, GTC

09:00 Organiser and chair: *Michael Colledge*

09:05 [Designing and Conducting Surveys in Adverse Conditions](#)

Luay Shabaneh

09:35 [The Development of Special Census Bureau Products After Hurricane Katrina](#)

Alfredo Navarro, Deborah Griffin

10:05 [Designing and Conducting Surveys for Hidden Economy](#)

Robert Fakudze

10:35 Discussant: *Steve Heeringa*

11:05 Open discussion

IPM 69

**Hall
3B**

Quantification of qualitative data from surveys

GTC, IFC

09:00 Organiser: *Cigdem Kogar*

09:05 [Measuring and examining consumer inflation expectations in Europe](#)

Tomasz Lyziak

09:30 [Inflation Expectations in Turkey: Consumer Survey Based Results](#)

Ece Oral

Programme
Monday

B



09:55 [Quantification of qualitative data \(The case of the Central Bank of Armenia\)](#)

Vahe Movsisyan

10:20 Discussant: *Ghislain Poulett*

10:40 Open discussion

IPM 90 **Hall 1A** **Institutional Strengthening - The role of Official Statistics in Meeting Global Challenges**

GTC, Local Hosts

Organiser: *Paul Cheung*

09:00 Chair: *Pali Lehohla*

09:05 [How can official statistics contribute to the analysis of climate change impacts, vulnerability and policies](#)

Dennis Trewin

09:30 [Globalization and Global Food Crises: The Role of Official Statistics in the African Context](#)

Samia Zekaria Gutu

09:55 [Measurement Challenges of Globalization](#)

(John) Steven Landefeld, Shaunda Villones

10:20 Discussant: *Shigeru Kawasaki*

10:55 Discussant: *Pali Lehohla*

11:10 Open discussion



IPM 99

Hall
4B

Biostatistics and Clinical Research: A Symbiosis

ISI, ISCB

- 09:00 Organiser and chair: *Norbert Victor*
- 09:05 **ISCB: promoting statistical developments in clinical research**
Emmanuel Lesaffre
- 09:25 **Biostatistics at a Research Centre at the interface between the biomedical and statistical sciences**
Lutz Edler, Annette Kopp-Schneider, Axel Benner
- 09:45 **Biostatistics, its development and dissemination to clinical researchers**
Rumana Omar, Shahed Murad, Sarah Edwards, Geraint Rees
- 10:05 Spatial canonical correlation for identifying, connecting and completing Gene - expression networks
Aeilko Zwinderman, Sandra Waaijenborg
- 10:25 Discussant: *Niels Keiding*
- 10:35 Discussant: *Geert Molenberghs*
- 10:45 Open discussion

Programme
Monday

B



STCPM 18 **Hall 4C** **Agricultural and Rural Statistics**

- 09:00 Organiser and chair: *Michael Steiner*
- 09:05 [Challenges for Statistical Methodology in Modern Agricultural Statistics](#)
Petrus Cornelis Jacobus Everaers
- 09:30 [Low-Income Farm Operators in the U.S.: Concept and Measurement](#)
Robert Gibbs, Mary Ahearn
- 09:55 [Interrelation between Agricultural and Environmental Statistics](#)
Eva (Sandorne) Laczka Ph.D.
- 10:20 [The Importance of an Agricultural Frame on Decision-making](#)
Moses Mnyaka
- 10:55 Discussant: *Fred Vogel*
- 11:10 Open discussion

STCPM 23 **Hall 5A** **The American Statistical Association Educational Ambassador (EA)**

- Organiser: *Martha Aliaga*
- 09:00 Chair: *Demissie Alemayehu*
- 09:05 [Transferring Knowledge in South and Central America - Microarray data analysis](#)
Diana Mabel Kelmansky



09:45 [Enhancing the Statistics Profession Globally Through an Educational Ambassador Initiative](#)

Martha Aliaga, Demissie Alemayehu

10:25 [Experiences in transferring of knowledge from Continuing Education \(JSM\) in Vietnam](#)

Discussant: Loan Le

11:05 Open discussion

STCPM 30

**Hall
5B**

Multisector Development in Africa and the Role of National Statistical Systems

09:00 Organiser and chair: *Akiiki Kahimbaara*

09:05 [Partnerships in the Production of Educational Statistics - Lessons from the South African Experience](#)

Bheki Mpanza, Hersheela Narsee, Siza Shongwe, Seble Worku

09:30 [How Statistics Improved Decentralization Policies and Approach to Local Development in some African Countries](#)

Adalbert Nshimyumuremyi

09:55 [Strengthening Statistical Systems within the Framework of the Plan for National Statistical Development in Uganda](#)

James Muwonge

10:20 [Le Rôle Du Système Statistique Africain Dans Le Processus D'intégration Africaine](#)

Yeo Dossina

10:55 Discussant: *Oladejo Ajayi*



11:10 Open discussion

STCPM 43 **Hall 2E** **Methodological and Measurement Challenges in Economic Statistics**

09:00 Chair: *Kali Ndamona*

09:05 [Purchasing Power Parities amongst South African Provinces](#)
Eugene Kgantsi

09:45 [Applications And Methods Of Measuring Variance In The Labor Force](#)
Marwa Selim

10:25 [Weighting and Estimation Methodology for the South African Labor Force Survey](#)
Caiphus Mashaba

11:05 Open discussion

CPM 1 **MR 11C** **Statistical distributions**

Chair: *Livhuwani Nedzingahe*

09:00 [Skewed Student's t Copula: Modeling of Asymmetric Dependence](#)
Luiz K. Hotta

09:20 [A suitable estimation for a skew-symmetric density function](#)
Mina Towhidi



- 09:40 [An Alternative Estimator for the Shape Parameter in the Negative Binomial Distribution](#)
Neville Weber
- 10:00 [Bilateral Gamma Processes and Applications](#)
Alice Thomas Thermadom
- 10:20 [Bimatrix variate Beta type IV distribution and its relation to the Wilks's statistic](#)
René Ehlers
- 10:40 [Relative distribution of a pair of distinct pdfs with negligible difference between cumulant generating functions](#)
Pier Luigi Novi Inverardi

CPM 3

**MR
12A**

Interactive methods in teaching

Chair: *Wilford Molefe*

- 09:20 [Evaluate Effectiveness of Interactive Videoconferencing System and WEB Aided Course Repetition in Medical Instruction](#)
Alaattin Parlakkilic
- 09:40 [Web materials for Statistics Education via CAUSEweb](#)
Brian Jersky
- 10:00 [The Effect of Using DVD in Teaching First-Year Calculus at a Distance: The Use of the Kolmogorov-Smirnov Test](#)
Stella Mugisha



10:20 [Interactive Exploration of Statistical and Probabilistic Concepts in Algorithms](#)

German Hernandez

10:40 [Perform statistical and engineering analysis with the Excel Analysis ToolPak](#)

Ulrica Weitz

CPM 7

**MR
12B**

Resampling methods

Chair: *Ghulam Hussain Choudhry*

09:00 [The Power of Bootstrap Tests of Co-integration Rank with Financial Time Series](#)

Niklas Ahlgren

09:20 [New Bootstrap Methods for Complex Sampling Design in Finite Population](#)

Erika Antal

09:40 [Comparison of the Classical Methods with the Bootstrap Computer Intensive Techniques in Estimating Parameters of the Bivariate Poisson Distribution](#)

Christos Frangos

10:00 [Comparison of Sampling Methods by using Bootstrap Method](#)

Abbas Mohammadkhani

10:20 [Regenerative Bootstrap for U-Statistics of Markov Chains](#)

Bertail Patrice

Programme
Monday

B



CPM 9

MR
12C

Measurement errors

Chair: *Tetsuro Sakurai*

09:00 [Measurement Error in Physical Activity Data](#)

Sarah Nusser

09:20 [Instrumental Variable Estimation in Measurement Error Model under Exact Restrictions](#)

Shalabh Shalabh

09:40 [Estimation of Population Distribution Functions from Samples Contaminated by Measurement Errors](#)

Lwando Orbet Kondlo

10:00 [Comparative study of estimators of linear model in the presence of some least squares violations](#)

Olutunji Olaomi

10:20 [Logistic Regression with Non-Precise Response](#)

S. Mahmoud Taheri

10:40 [Regression quantiles with errors-in-variables](#)

Dimitris Ioannides

Programme
Monday

B



CPM 49

**Hall
2D**

Modelling environmental data

Chair: *Romain Lucas Glele Kakai*

09:00 **Statistical Trend Analysis for Water Accounting and Assessment in Australia: Current Practice and recommendations**

Quanxi Shao

09:20 **Accounting for seasonality in water quality measurements**

Sylvia Esterby

09:40 **Modelling Rainfall Data**

Anna Kaduma

10:00 **Inference for stochastic rainfall-runoff models**

Franz Konecny

10:20 **Application of X2 processes for detection of changes in seasonal behavior of temperature**

Daniela Jaruskova

CPM 52

**MR
11A**

Merging multiple data sources

Chair: *Tsung-Jen Shen*

09:00 **Contemporaneous Disaggregation and Reconciliation Using State Space Models**

Leonardo Trujillo

Programme
Monday

B



09:20 [Fusion and inference from multiple data sources](#)

Carey E. Priebe

09:40 [Record Linkage in German Official Statistics](#)

Markus Zwick

10:00 [Statistical Data Management and Dissemination with PROGNOZ](#)

Vladimir Eskin

CPM 64

**MR
11B**

Financial risk assessment

Chair: *Abdulhakeem Eideh*

09:00 [A New Exploring: Definition and Measurement of Financial Risk-Based on Wavelet Analysis](#)

Haibo Han

09:20 [A case study on using generalized additive models to fit credit rating scores](#)

Marlene Müller

09:40 [Optimal Threshold from ROC and CAP Curves](#)

C. S. Hong

10:00 [The probability of default: a survival scoring model](#)

Vincenzo Lo Iacono

10:20 [The present banking and financial crisis reflected in the financial order of the real world](#)

Helmut Maier

Programme
Monday

B



10:40 Evaluation of the effect of debit cards on cash demand by propensity score regressions in a principal stratification model
Andrea Mercatanti

CPM 69

**Hall
6A**

Road traffic issues

Chair: *Jonathan Odwee*

09:00 Spatial Risk Assessment in Traffic Safety on Urban Roads
Elke Amelie Moons

09:20 Transport accident deaths in South Africa, 2001-2006
Tapiwa Jhamba

09:40 Mobile Traffic Forecasting using power transformation GARCH model
Sahm Kim

10:00 Volume indicators in the road freight industry in South Africa
Vincent Parker

10:20 The Dependence of Indoor PAH Concentration on Outdoor PAH and Traffic Volume in an Urban Residential Environment
Rey Decastro



CPM 72

**Hall
6B**

Processes and their properties

Chair: *Stephen Ojiambo Wandera*

09:00 [Uniform convergence of wavelet expansions of Gaussian random processes](#)

Andriy Olenko

09:20 [On some population-dependent branching processes](#)

Goran Hognas

09:40 [Trend and Random Components of the Levy Fractional Brownian Motion](#)

Jeffry Tejada

10:00 [Some Characterizations of the univariate Distributions based on Truncated Moments of Order Statistics](#)

Mohammad Ahsanullah

10:20 [Strong law of large numbers for associated random variables and demimartingales](#)

Wang Xuejun

10:40 [On the characterization of life distributions via percentile residual lifetimes](#)

Gwo Dong Lin

Programme
Monday

B



CPM 88

**MR
22A**

Statistical Education 1

Chair: *Dmitrii Silvestrov*

09:00 **Gap Analysis of Employers Expectation and Work Readiness of Graduating Mathematical Sciences Students**

Rasimah Aripin

09:20 **(In) Formal aspects of Independent Events**

Hugo Mael Hernandez Trevethan

09:40 **Abuse of Use and Teaching of Statistics in Eastern Nigeria**

Edith Uzoma Umeh

10:00 **The Challenges Faced in Statistics Education in African Countries**

Rugambwa Samson

10:20 **Analysis of Statistics content and results of the first national examination based on the South African National Curriculum Statement (NCS)**

Desiree Yolanda Timmet

10:40 **Estimation of the Sensitivity and Specificity of Qualitative Diagnostic Test Under Normal Assumption**

Guijing Chen

Programme
Monday

B



CPM 94

**MR
22B**

Business and markets

Chair: *Giuseppe Bruno*

09:00 **A Markovian Approach for Market Sentiments of DCI of Botswana Stock Exchange**

K.S. Madhava Rao

09:20 **A Study on Relation between Capacity Index and Capital Stock in Korea**

Eunyoung Park

09:40 **Test of independence between variables in the Business survey for the services sector – Some empirical evidence from Croatia**

Mirjana Cizmesija

10:00 **Generalized Efficiency Measure through Directional Distance Formulation of Data Envelopment Analysis**

T.P.M. Pakkala

10:20 **The Determinants of Cote D'Ivoire's International Competitiveness**

Anita Anoevna Niangoran

10:40 **An experiment on feedback wording in a Delphi study on professional figures' representation**

Luigi Fabbris

Programme
Monday

B



IPM 14

**Hall
3B**

Complex Data Analysis, Dimension Reduction and Sparsity

BS

13:00 Organiser and chair: Ursula Gather

13:05 [Detection of an Abnormal Cluster in a Network](#)

Ery Arias-Castro

13:45 [Model Free Variable Selection When \$p\$ is much larger than \$n\$](#)

Lixing Zhu, Liping Zhu

14:30 Discussant: Hannes Leeb

15:05 Open discussion

IPM 26

**Hall
4B**

Functional Data Analysis: Theory and Applications

IASC, BS

13:00 Organiser and chair: *Jason Fine*

13:05 [Functional Data Analysis for Hazard Rates](#)

Jeng-Min Chiou, Hans-Georg Mueller

13:35 [Dantzig Selector for Censored Linear Regression Models](#)

Yi Li

14:05 [Functional linear regression of gradients from sparse data](#)

Ian Mckeague, Sara Lopez-Pintado

Programme
Monday

B



14:35 Discussant: *Ingrid van Kielegom*

15:05 Open discussion

IPM 37

**Hall
4C**

The roles of statistical agencies in developing statistical literacy

IASE, IAOS

13:00 Organiser and chair: *Reija Helenius*

13:05 [Readability and ease of use of the Eurostat Internet](#)

Gunter Schaefer

13:35 [Improving statistical literacy - Strategies and Experience of the Australian Bureau of Statistics](#)

Siu-Ming Tam, Nicola Cross

14:05 [The role of Statistics Portugal in developing statistical literacy](#)

Pedro José Campos, J. Pinto Martins

14:35 Discussant: *Heli Mikkela*

14:50 Discussant: *Tae Rim Lee*

15:05 Open discussion



IPM 48

**Hall
6B**

Sampling and Estimation Issues in Health Statistics

IASS, Local Hosts

Organiser: *Wilton Bussab*

13:00 Chair: *Pedro do N. Silva*

13:05 [Sampling and Estimation Issues in the National Immunization Survey](#)

Kirk Wolter, James Singleton, Kennon Copeland

13:35 [An estimate of the magnitude and trend of HIV/AIDS epidemic using data from the routine VCT services as an alternative data source to ANC sentinel surveillance in Addis Ababa, Ethiopia](#)

Yehenew Getachew, Butte Gotu, Fikre Enquselassie

14:05 [Gender Inequality on the Awareness of HIV/AIDS in Bangladesh](#)

A.H.M. Rahmatullah Imon, A.A.M Nurunnabi

14:35 Discussant: *Pedro do N. Silva*

15:05 Open discussion

IPM 70

**Hall
2C**

The size and impact of statistical revisions

GTC, IFC

13:00 Organiser and chair: *Rudi Acx*

13:05 [Statistical revisions - a European perspective](#)

Wim Haine, Gabriel Quirós, Remigio Echeverria, Tjeerd Jellema

Programme
Monday

B



13:35 [Forecasting Monthly Industrial Production in Real-Time: from Single Equations to Factor-Based Models](#)

Giuseppe Parigi, Guido Bulligan and Roberto Golinelli

14:05 Discussant: *K Todani*

14:20 Open discussion

IPM 89 **Hall 1A** **Institutional Strengthening - Building and maintaining the infrastructure in an environment of scarce resources**

GTC, IAOS, Local Hosts

Organiser: Michel Mouyelo-Katoula

13:00 Chair: TBA

13:05 [Statistical Infrastructure and Census Implementation in Conflict Countries: Case Study of Palestine](#)

Mustafa Khawaja

13:30 [Communication and Public relations: A paramount component to develop sustainable statistical infrastructure](#)

Thomas Wollnik, Daniel Byk

13:55 [Challenges of statistical infrastructure in Africa](#)

Michel Mouyelo-Katoula

14:20 [Changing Statistics Netherlands: SN Modernization Programme](#)

Ada Van Krimpen

14:45 Open discussion



IPM 94

**Hall
1B**

Do new trends in official statistics, more administrative data and use, with governmental guarantee for independency, present new ethical dilemmas?

GTC, Ethics Committee

13:00 Organiser and chair: *Olav Ljones*

13:05 [The Marriage of Impartiality and Practical Utility](#)

Richard Alldritt, Denise Lievesley

13:25 [Statistics or exposure? - Ethical dilemmas posed by the combination of survey and register data](#)

Øyvind Kleven, Tor Morten Normann

13:45 [How Statutory and Regulatory Changes May Create New and Unintended Challenges for Statistical Agencies](#)

Thomas Mesenbourg

14:05 [Building confidence in the use of administrative data for statistical purposes](#)

Walter Radermacher

14:25 [The Challenge of Developing Good Quality Demographic Statistics for Indigenous Australians](#)

Peter Harper

14:45 Open discussion

Programme
Monday

B



STCPM 16 **Hall 5B** **Subjective Data Analysis in the Perspectives of New Approaches in Measuring the Well-Being of Societies**

- 13:00 Organiser and chair: *Filomena Maggino*
- 13:05 [Measurement requirements for comparative research](#)
Willem Saris
- 13:35 [Composite indicators for evidence based narratives](#)
Stefano Tarantola, Andrea Saltelli
- 14:05 [Validating Subjective Measures: A Multilevel View](#)
Filomena Maggino, Bruno D Zumbo, Barry Forer
- 14:35 Discussant: Enrico Giovannini
- 15:05 Open discussion

STCPM 27 **Hall 6B** **Interactive, data-driven and technology-enhanced approaches for probability and statistics education**

- Organisers: *Ivo Dinov*
- 13:00 Chair: *Nicolas Christou*
- 13:05 Examples of Embedding SOCR materials in Undergraduate Statistics Curricula
Nicolas Christou, Ivo Dinov
- 13:30 Concepts of Statistical Inference: A Randomization-Based Curriculum
Allan Rossman



13:55 Teaching and Assessing Statistics Education using Technology

Paul Fields

14:20 [Quantitative and Qualitative Assessment of Technology-Enhanced Probability and Statistics Education](#)

Ivo Dinov

14:55 Open discussion

STCPM 29 MR12 Compiling Labour Statistics in Africa's Emerging Economies and Changing Labour Markets
A

13:00 Organiser and chair: *James Mubira*

13:05 [Compiling Labour statistics in Africa - A case study of South Africa](#)

Yandiswa Mpetsheni

13:35 TBA

Vincent Ssennono

14:05 TBA

Babacar Thiam

14:35 Discussant: *Dr Hoffman*

15:05 Open discussion



STCPM 45

Hall
2A

Sports stats

13:00 Organiser and chair: *Joseph Hilbe*

13:05 [The selection of a South African cricket test squad by means of objective criteria](#)
Hermanus H Lemmer

13:30 [Integer Optimisation for the Selection of a Twenty20 Cricket Team](#)
Gary Sharp

13:55 [Generalized Geometric Distribution for modeling Scores in Cricket and Adjustment in Product Limit Estimates in light of Notout innings](#)
Shubhabrata Das

14:20 [Distribution Modelling of Fantasy Cricket Performance Measures](#)
Warren James Brettenny

14:55 [On the probability distribution of overcoming a lead for baseball games](#)
Norio Togigoe

15:10 Open discussion

Programme
Monday

B



STCPM 60

**Hall
2D**

Economics and agricultural statistics: New challenges

Organiser: *Moses Mnyaka*

13:00 Chair: *Michael Manamela*

13:05 [Data confrontation in agricultural censuses and surveys: An in-depth look at the Census of Commercial Agriculture 2007 in South Africa](#)

Edmund Kibuuka

13:30 [Food Security and Agriculture in Botswana](#)

Phetogo Zambezi

13:55 [Research to model imputation for Census of Commercial Agriculture 2002](#)

Phuti Malebana, Karabo Sebolai

14:20 [Feasibility study for a short-term Post and Telecommunication survey](#)

Olebogeng Sentsho

14:55 [A time series analysis of the relationship between inflation and manufacturing productivity growth in South Africa](#)

Pebetse Mpshe

15:10 Open discussion

Programme
Monday

B



STCPM 77 **Hall 6A** **Institutional cooperation and technical assistance - steps towards developed statistical systems**

- 13:00 Organiser and chair: *Joao Cadete de Matos*
- 13:05 The importance of the oil sector in the balance of payments: sources, statistics and economic analysis
António Ramos da Cruz
- 13:30 **Modelling in Countries with Information Gap – the case of Bank of Mozambique**
Jamal Omar
- 13:55 **A contribution to developed statistical systems in developing countries – the experience of Banco de Portugal**
Filipa Lima
- 14:20 **Handling system challenges from the compilation of flow of funds - the case of South Africa**
Zeph Nhleko
- 14:55 Discussant: *Adelheid Burgi-Schmelz*
- 15:10 Open discussion

STCPM 112 **MR 22A** **Business Employment and Economic growth**

- 13:00 Chair: *TBA*
- 13:05 **Infrastructure and Good governance as Key elements to promoting equity and Economic Growth In Sub-Saharan Africa**
Moses Dowart



13:25 The relationship between economic growth and employment in South Africa: 1994 to 2008

Hlabi Morudu

13:45 [Analysis of Income Convergence Across South African Provinces, 1995 - 2007](#)

Robert Ringeta Mabunda

14:05 [Monitoring Workers' Remittances and Benefits in Uganda: The Statistical Issues](#)

ESK Muwanga-Zake

14:25 [The Third Sector's Contribution to the Local Community's Risk Reduction as an Object of Public Statistics](#)

Wlodzimierz Okrasa

14:45 [Assessing the Statistical Methodologies of Business Research in the South African Context](#)

Aifheli Amos Ndou, Gary Sharp

15:05 Open discussion

CPM 2

**MR
11A**

Statistics and the web

Chair: *Mark Wopicho Nasila*

13:00 [Promoting Open Innovation for Data Visualization](#)

Julia Orgis



- 13:20 [Communicating Official Statistics On the Internet Using Data Visualizations: The Philippine Experience](#)
Candido, Jr. Astrologo
- 13:40 [An innovative approach to web-based dissemination for statistical story tellers](#)
Andrew Herbert
- 14:00 [Scale-space visualization tool for the comparison of time series](#)
Kee-Hoon Kang

CPM 14

**MR
12A**

Entropy

Chair: *Torsten Harms*

- 13:00 [Shannon Entropy and Statistics](#)
Antonio Batel Anjo
- 13:20 [Some characterizations using Shannon information properties of certain records](#)
Jafar Ahmadi
- 13:40 [Shannon Entropy for Known and Unknown Bivariate Beta Distributions](#)
Liesbeth Joanna Sylvia Bodvin
- 14:00 [Rule-based Classification Using the Entropy Distribution](#)
Jung Jin Lee
- 14:20 [How to solve problems with Entropy? The case of Simulated Annealing](#)
Antonio Batel Anjo



14:40 [Maximum of Second-Order Taylor Approximation of Entropy with Given Marginals and Correlations](#)

Sedigheh Shams

CPM 44

**Hall
5CD**

Issues affecting women in society

Chair: *Mamello Phororo*

13:00 [Fecundite et Enjeux de la Croissance Rapide de la Population du Burkina Faso](#)

Bonkougou Zakaliyat

13:20 [Assessment of the burden of health expenditure on the living conditions in Mali](#)

Ariane Wakap

13:40 [Some methodological issues about the new sample designs for French household surveys](#)

Marc Christine

14:00 [Analyse spatiale des disparités de genre dans l'éducation: implications de politiques pour des reformes sensibles au genre](#)

Coulibaly Matenin

14:20 [Education et déperdition scolaire des adolescentes en RDC à partir de l'EDS 2007 : Analyse causale](#)

Kabeya Jackie Kabwe

14:40 [Impact of the political crisis in demand of Primary education in Ivory Coast from 2000 to 2006](#)

Claude Latrie Mvoa

Programme
Monday

B



CPM 54

**MR
12B**

Sampling theory

Chair: *Sanghamitra Pal*

- 13:00 [Properties of the Negative Binomial Sampling Scheme](#)
Victor Alfredo Bustos y de la Tijera
- 13:20 [Multivariate Stratified Sample Design](#)
Yonhyong Kim
- 13:40 [Coverage of the H-T estimator for small size of samples](#)
Geunshik Han
- 14:00 [Ratio estimators of co-efficient of variation in finite population](#)
Archana V
- 14:20 [Sampling file](#)
Seppo Laaksonen

CPM 81

**MR
12C**

Improving Official Statistics

Chair: *José Manuel Corcuera*

- 13:00 ["Count Us In" - A Re-Look at the Measurement of Disability in the South African Census](#)
Princelle Dasappa
- 13:20 [Research on Risk of Statistic Survey](#)
Xiufeng Chen

Programme
Monday

B



13:40 [So you think you can SEIFA? Advocating the good use of socio-economic indexes for area](#)

Joanne Baker

14:00 [Weighting Quality Dimensions](#)

Nazeem Mustapha

14:20 [Issues on confidence of Official Statistics](#)

Carmem Feijo

14:40 [Living Standard Measurement Study, Serbia, 2007](#)

Slavko Kapuran

CPM 89

**MR
22B**

Statistical Education 2

Chair: *Casment Mahlwele*

13:00 [Populations, Samples, Measurement, Variables and Data: Pedagogically Undervalued Foundation Slabs of Statistical Castles](#)

Venant R.N. Mutabihirwa

13:20 [On Measures for Resolving Student's Misconceptions in Statistics in University of Lagos, Nigeria](#)

Muminu Osumah Adamu

13:40 [Statistical Education of Medical Students in Pavlov State Medical University](#)

Elena Verbitskaya



14:00 [Changes in the Media Habits of College Students during the Last Five Years and the Implications for Education](#)

Bill Rybolt

14:20 [Influential Mathematicians: Where do they Come from and Where do they Go?](#)

John Panaretos

IPM 19

**Hall
2C**

Globalisation and official statistics - How to ensure international comparability, while retaining national relevance

IAOS, Local Hosts

15:30 Organiser and chair: *Robin Lynch*

15:35 [Consequences of inward foreign direct investment for productivity at the micro and meso level](#)

Peter Van De Ven, Fabienne Fortanier

16:05 [International migration – can the statistics keep up?](#)

Guy Goodwin, Alex Tosta

16:35 [The goals and importance of the IMF's 2009 Coordinated Direct Investment Survey](#)

Ralph Kozlow

17:05 [Globalisation of services and the peculiar case of trade in healthcare](#)

William Cave

17:35 Open discussion



IPM 28

**Hall
3B**

Statistics and the Internet for Development in e-Education e-Health and Other Fields with particular reference to Africa

IASC

Organiser: *Fionn Murtagh*

15:30 Chair: *John Haslett*

15:35 [Developing marketing and social indicators using Correspondence Analysis](#)

Neil Higgs

16:00 [Persistent themes in ICTD research: priorities for statistics and new modes of data gathering](#)

Jonathan Donner, Kentaro Toyama

16:25 [Mobile Network Operators - A Multiplier in Providing eHealth Solutions to Africa](#)

Jacques De Vos, Craig Friderichs, Maruis Conradie

16:50 Methodological and operational challenges in developing internationally comparable indicators on ICTs use in education

Claude Akpabie

17:15 Discussant: John Haslett

17:40 Open discussion

Programme
Monday

B



IPM 42 **Hall 2D** **Survey Research in Statistics Education**

IASE

15:30 Organiser and chair: *Irena Ograjensek*

15:35 [Methodological problems of survey applications in statistics education](#)

Irena Ograjensek, Mojca Bavdaz

16:05 [Did It Make a Difference? Evaluating Transformational Change in the Statistics Classroom](#)

Paul Fields

16:35 [Teaching statistics through surveys - Experiences at the University of Southampton](#)

Natalie Shlomo

17:05 Discussant: Steven Heeringa

17:35 Open discussion

IPM 49 **Hall 2E** **Measuring and Assessing Respondent Load**

IASS, Local Hosts

15:30 Organiser and chair: *Richard Penny*

15:35 [Understanding Perceived Response Burden in Business Surveys](#)

Dan Hedlin, Boris Lorenc

16:05 [Measurement of Respondent Load at Statistics New Zealand](#)

Rebecca Merrington, Lizette Van Heerden, Brian Torrey



- 16:35 [Measuring and Assessing Respondent Load: A case study by Statistics South Africa](#)
Marlize Pistorius, Azam Khan, Paula l'Ons
- 17:05 Discussant: Richard Penny
- 17:35 Open discussion

IPM 71

**Hall
4C**

Statistics of institutional investors

GTC, IFC

- 15:30 Organiser: *Mary Amiti*
Chair: *Michael Kock*
- 15:35 [A perspective on the South African flow of funds compilation – theory and analysis](#)
Barend De Beer, Zeph Nhleko, Nonhlanhla Nhlapo
- 15:55 [Broadening the Institutional Coverage of Financial Statistics in the Euro Area](#)
Jani Matilainen, Barbara Zupancic, Antonio Matas Mir, Rafael Quevedo
- 16:15 [Nominees, Registries and Settlement Systems: gathering securities statistics for soundness and efficiency purposes](#)
Ian Nield
- 16:35 [Sources and methods for Institutional Investors in Euro Area Accounts](#)
Celestino Giron
- 16:55 Discussant: *Michael Kock*
- 17:05 Open discussion

Programme
Monday



IPM 91

**Hall
1A**

Institutional Strengthening - Developing the capability of the people producing and analysing official statistics

GTC, Local Hosts

- 15:30 Organiser and chair: *Ben Kiregyera*
- 15:35 **Mentoring in Statistics: A Systematic Review and Suggestions for Reform**
Lehana Thabane, Adefowope Oduyungbo
- 16:00 **Building minimum statistical capacity for reliable national statistics**
Roger Stern
- 16:25 **Statistical Training: A Pillar for Strengthening Capacity for Statistics Development for Better Development Outcomes**
Agnes Mary N. Ssekiboobo
- 16:50 **Statistical Capacity Building in International Development Cooperation - Experience with E-Learning in Sub-Saharan Africa**
Markus Wauschkuhn
- 17:15 Discussant: *Dr Sastry*
- 17:25 Open discussion

Programme
Monday

B



STCPM 14

**Hall
4B**

Statistical Training and Education

15:30 Organiser and chair: *Thana Chrissanthaki*

15:35 [European Statistical System - The new Learning and Development Framework \(ESS-LDF\)](#)

Bernd Stoertzbach

16:00 [The General Data Dissemination System \(GDDS\) - A Reflection on its First 12 Years and Plans for Taking it Forward](#)

Charles Enoch

16:25 TBA

Alain Lery

16:50 [SCA-ECLAC Knowledge Transfer Network](#)

Antonio Martínez, Antonio Salcedo

17:15 [Statistical Education System including e-Learning of Statistical Training Institute of Korea](#)

Hyunsik Hwang, Hyosub Byun

17:40 Discussant: *Charles Enoch*

Open discussion

Programme
Monday

B



STCPM 41

**Hall
6A**

Social Accounting and Tourism Statistics in Africa

15:30 Chair: *Joe de Beer*

15:35 Including a 'Domestic and Outbound Tourism Module' in Household Income and Expenditure Survey (HI/ES); A Ghanaian Experience

Ebenezer Kojo Ocran

15:55 Time series analysis: Application to tourism forecasting

Marcus Motshwane, Maseka Lesaoana, Solly Seeletse

16:15 Inter-provincial migration in South Africa: A closer look at the characteristics of the migrants and the levels and trend of migration streams

Sandile Elvis Simelane, Neo Nghenavo, Susanna Ubomba-Jaswa, Tshwaro Gae

16:35 Nature and Patterns of Population Growth in North West Province, South Africa, 1996-2007

Martin Enock Palamuleni

16:55 An analysis of demographic trends for the Hibiscus Coast Municipality to inform strategic challenges

Helen North

17:15 Age structural transition in South Africa and its policy implications

Henry Doctor, Mosidi Nhlapo

17:35 Open discussion

Programme
Monday

B



STCPM 48 **Hall 2BH** **Economic Accounts and Economic-Environmental Accounts for Food and Agriculture: Design and Practice**

Organiser: *Xiaoning Gong*

15:30 Chair: *Pietro Gennari*

15:35 Water Accounting for Australian Agriculture - Understanding the Economic Impact of a Scarce Resource on a Critical Industry

Peter Harper

16:00 Towards a System of Environmental Economic Accounts for Agriculture and Rural Development

Ivo Havinga

16:25 [Accounting for the Maintenance of Agro-Ecosystems' Total Ecological Potential](#)

Jean-Louis Weber

16:50 Applying SNA and SEEA as a framework for Food and Agricultural Statistics

Xioning Gong

17:15 Discussant: *Eduardo Pereira Nunes*

17:40 Open discussion



STCPM 49

**Hall
1B**

Some Current Ethical Issues in Official Statistics

Organiser: *William Seltzer*

15:30 Chair: *Grace Bediako*

15:35 **Recent developments in price and related statistics in Argentina**

Edmundo Berumen, Victor Beker

16:00 **How to react when the independence of statisticians and the integrity of statistics are endangered?**

Jean-Louis Bodin

16:25 **Statistical Confidentiality and UK Population Censuses: Recent History and Prospects**

William Seltzer

16:50 **Recent challenges to the ethics underlying official statistics in New Zealand**

Vince Galvin, Sharleen Forbes, Andrew Hunter, Paul Maxwell

17:15 **Regulations and practices for the protection of confidentiality of statistical data: some experiences from Spain**

Martin-Guzman Pilar, Villan Idefonso

17:40 Open discussion

Programme
Monday

B



STCPM 71

**Hall
4C**

Statistically Significant Learning Experiences

- 15:30 Organiser and chair: *Jose Pinto Martins*
- 15:35 **Challenges: a Significant Learning Experience in Elementary and Secondary Schools**
Pedro Campos, Jose Pinto Martins, Emilia Oliveira
- 16:00 **Statistical Literacy Competitions and Statistical learning**
Juana Sanchez, Emilia Oliveira, Koleka Rangaza
- 16:25 **Creating significant Learning Experiences in Graduate Statistics Courses Through Statistical Literacy Assessments**
Enriqueta Reston
- 16:50 **Methods to enhance student learning of statistics**
Patrick Murphy
- 17:15 **Capacity building; making the human resources useful for statistical production – The case of the National Statistical School in Mozambique**
Leonette Mabjaia, Destina Uinge, Cassiano Chipembe, Firmino Guiliche
- 17:40 **Learning and Teaching Statistics with Technologies**
Antonio Batel Anjo, Paula Oliveira
- 18:05 Open discussion

Programme
Monday

B



STCPM 75

Hall
5B

Bayesian methods for inverse problems

Organiser: *Ernest Fokoue*

15:30 Chair: Paul Fatti

15:35 [Efficient Derivation of Sparse Representations in Radial Basis Function Regression](#)

Ernest Fokoue

15:55 Linear Mixed Models, Fixed Effects or Random?

Dongchu Sun

16:15 [Modelling Age-specific Nest Survival Curve Using a Hierarchical Bayesian Approach](#)

Chong He

16:35 [Bayesian reference analysis for exponential power regression model](#)

Helio Migon

16:55 [Bayesian Unit Root Test in Stochastic Volatility Model with Correlated Errors](#)

Zeynep Kalaylioglu

17:15 [Bayesian Smoothness and Shrinkage Priors in Regression](#)

Ludwig Fahrmeier

17:35 Open discussion

Programme
Monday

B



STCPM 78 **Hall 2A** **Building Real-Time Databases and their use in revisions analysis and simulator exercises**

- 15:30 Organiser and Chair: *Gian Luigi Mazzi*
- 15:35 [Performing Revision Analysis on sub-annual data for selected OECD countries](#)
Michela Gamba, Elena Tosetto, David Brackfield
- 16:00 [A Real-Time Database for Principal European Economic Indicators](#)
Dominique Ladiray, Gian Luigi Mazzi, Rosa Rugieri-Cannata
- 16:25 [An Area Wide Real Time Data Base for the Euro Area](#)
Michele Modugno
- 16:50 [Revisions analysis and the role of metadata](#)
Andreas Lorenz
- 17:40 Open discussion

STCPM 87 **Hall 2BH** **Bayesian methods**

- 15:30 Chair: *Khangelani Zuma*
- 15:35 [A Bayesian Extension of the Global Yield Curve](#)
Luiz K Hotta, Márcio P Laurini
- 15:55 [A Bayesian approach to model robust designs](#)
Vincent Agboto, William Li, Christopher Nachtsheim



- 16:15 **Bayesian Approach in Estimating Risk Determinants of Infectious diseases**
Thembile Mzolo
- 16:35 **Projection of mesothelioma mortality in Great Britain using Bayesian methods**
Emma Tan, Nick Warren
- 16:55 **Estimation of lifetimes in generalized gamma distribution**
Shui-Ching Chang
- 17:15 Open discussion

STCPM 114 **Hall 12A** **Applied Statistics**

- 15:30 Chair: *Linda Haines*
- 15:35 **Experimenting with Training in the Utilisation of Official Statistics for Policy Makers and Social Analysts with No or Little Knowledge of Statistics**
Gabriel Tati
- 15:55 **Tests for normality in classes of skew-normal and skew-t alternatives**
Cinzia Carota
- 16:15 **The use of Statistical Inference in PhD dissertations in Biological Sciences**
María Inés Rodríguez, Héctor Luis Agnelli, Norma Gallardo
- 16:35 **Estimation of a sensitive proportion by Warner's randomized response data through inverse sampling**
Mausumi Bose, Arijit Chauduri, Kajal Dihidar



16:55 [Exponential Survival Entropies and Their Properties](#)

DS Hooda, DK Sharma

17:15 [On Seven-parameter Generalized Logistic Distribution](#)

Kehinde Akintayo Olapade

STCPM 115

**MR
12B**

Development and growth

15:30 Chair: *TBA*

15:35 [HDI Report for Northern Cape](#)

Christine Kruger

15:50 [The Economic Transition and Growth of Philippine Regions](#)

Monica Florida Sandoval, Dennis Mapa

16:05 [Consumer Preferences for Choosing GSM Network Provider Services in Nigeria](#)

Muminu Osumah Adamu, Elizabeth Adeyosoye

16:20 [Constructing and Modelling SAMs from the SNA for the study of impacts of policy measures](#)

Susana Santos

16:35 [The impact of FDI on export performance: empirical evidence from EU candidate countries](#)

Vesna Bucevska

16:50 [Household Surveys in Africa: New Challenges, Nigeria Experience](#)

Ofunne Augustine, Onyelisi

Programme
Monday

B



17:10 Open discussion

STCPM 130 **MR** **Maths4Stats Workshop A 1**

22A

15:30

STCPM 135 **MR** **Maths4Stats Workshop B 1**

22B

15:30

CPM 6 **Hall** **Stochastic processes**

5CD

Chair: *Wendy Thomas*

15:30 [Un test d'homogénéité pour des données fonctionnelles](#)

Aghoukeng Jiofack Jean Gerard

15:50 [Le Bruit de Grenaille à Paramètres Aléatoires \(Shot Noise with Random Parameters\)](#)

Chamayou Jean-Francois

16:10 [Normalite Asymptotique de l'Estimateur à Noyau mobile de l'Indice de Pauvreté](#)

Galaye Dia

16:30 [Analyse de la polyvalence: cas des machinistes \(conducteurs d'autobus\) de la société des transports abidjanais \(SOTRA\)](#)

Dosso Masse



16:50 [Strong Consistency of Nonparametric Regression functions in Competing Risks Model](#)

Kossi Essona Gneyou

17:10 [Testing of homogeneity in the variance of wavelet coefficients](#)

Kouamo Olaf

CPM 16

**MR
11C**

Robust statistics

Chair: *Temesgen Zewotir*

15:30 [Comparison of Robust Estimators in One-Way-Classification Experimental Design Model](#)

Ibrahim Erkan

15:50 [The BACON Approach for Rank-Deficient Data](#)

Mark Werner

16:10 [Monte Carlo Procedure With Pseudo-Medians For Asymmetric Distributions](#)

Nor Aishah Ahad

16:30 [Estimation in Logistic Regression Models with Bivariate Stochastic Covariates](#)

Evrin Oral

16:50 [Robust recursive methods in time series](#)

Tomas Cipra

17:10 [The Generalized Bootstrap and Robust Estimates for Mixed Models](#)

Alan Welsh

Programme
Monday

B



CPM 114

**MR
12C**

Software, e-statistics and consulting

Chair: *Tomàs Aluja-Banet*

15:30 **Determining Optimum Strata Boundaries for Skewed Population**

M.G.M. Khan

15:50 **Effectiveness of filter trading as an intraday trading rule**

Kin Lam

16:10 **Implementing the Probability Density Function Calculation of the Stable Paretian Distribution in R**

Dedi Rosadi

16:30 **Ad Hoc Statistical Consulting within a large Research Organisation**

C D Elphinstone

16:50 **GenStat Discovery, free sophisticated first world menu-driven analysis tools available to the developing world, and in particular, Africa**

Stewart Andrews

17:10 **Intensity Estimation of S-shaped Software Reliability Growth Models**

Mei-Mei Zen

Programme
Monday

B