

# Scientific Programme

## **IPMs**

*Invited Paper Meetings are organised by recognised international experts at the invitation of the ISI Scientific Programme Committee.*

## **STCPMs**

*Special Topic Contributed Paper Meetings are organised by an individual who arranges for a group of authors to submit related contributed papers.*

## **CPMs**

*Contributed Paper Meetings are submitted by individuals and grouped into meetings by the Local Programme Committee.*

## **Posters**

*Posters are usually presented by first time presenters, or for a specialised paper such as one comprising a large amount of visual material. Posters will be exhibited in the Poster Session area which is situated in Hall 4AD & 5AD in the Exhibition Hall. The schedule of poster presentations will appear in the daily newsletter.*



[www.statssa.gov.za/isi2009](http://www.statssa.gov.za/isi2009)



# Daily Planner

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# Programme

<b>IPM13</b>	<b>Hall 2A</b>	<b>Stochastics of Genome</b> <b>BS</b> 09:00 Organiser and chair: <i>Jun Liu</i> 09:05 Inferring coancestry of genome segments in populations <i>Elizabeth Thompson</i> 09:35 A Bayesian approach to RNAi data analysis <i>I-Shou Chang, Chung-Hsin Chen, Chih-Yu Chen, Chao Hsiung</i> 10:05 Transcription Initiation bias in disease states <i>Winston Hide, Christopher Maher, Oliver Hofmann</i> 10:35 Discussant: <i>TBA</i> 11:05 Open discussion
<b>IPM23</b>	<b>Hall 2BH</b>	<b>Contemporary methodological challenges in Social Statistics</b> <b>IAOS</b> 09:00 Organiser and chair: <i>Michel Glaude</i> 09:05 Social statistics in India; Challenges and New Initiatives <i>Jogeswar Dash</i> 09:35 Monitoring Educational Participation: ten studies on the quality of household survey data versus administrative and census data <i>Diane Stukel, Yassamin Feroz-Zada</i> 10:05 Towards a Uniformed System of Social Statistics <i>Anders Sundström</i> 10:35 Discussant: <i>Nancy Gordon</i> 11:05 Open discussion
<b>IPM40</b>	<b>Hall 2C</b>	<b>Balancing the training of future statisticians for workplace and research</b> <b>IASE</b> 09:00 Organiser and chair: <i>Helen MacGillivray</i> 09:05 The Likelihood Principle in Statistics <i>Charles Rohde</i> 09:30 Balancing Theory and Application: A South African Perspective <i>Linda Haines</i> 09:55 Training for Statisticians in a Research Organisation <i>Murray Cameron</i> 10:20 Training Problem Solvers <i>Pam Arroway</i> 10:45 Discussant: <i>Pieternel Verhoeven</i> 11:10 Open discussion
<b>IPM47</b>	<b>Hall 1B</b>	<b>Designing and Conducting Surveys in Adverse Conditions</b> <b>IASS, GTC</b> 09:00 Organiser and chair: <i>Michael Colledge</i> 09:05 Designing and Conducting Surveys in Adverse Conditions <i>Luay Shabaneh</i> 09:35 The Development of Special Census Bureau Products After Hurricane Katrina <i>Alfredo Navarro, Deborah Griffin</i> 10:05 Designing and Conducting Surveys for Hidden Economy <i>Robert Fakudze</i> 10:35 Discussant: <i>Steve Heeringa</i> 11:05 Open discussion

<b>IPM69</b>	<b>Hall 3B</b>	<b>Quantification of qualitative data from surveys</b> <b>GTC, IFC</b> 09:00 Organiser: <i>Cevriye Aysoy</i> 09:05 Chair: <i>Cigdem Kogar</i> 09:05 Measuring and examining consumer inflation expectations in Europe <i>Tomasz Lyziak</i> 09:30 Inflation Expectations in Turkey: Consumer Survey Based Results <i>Ece Oral</i> 09:55 Quantification of qualitative data (The case of the Central Bank of Armenia) <i>Vahe Movsisyan</i> 10:20 Discussant: <i>Ghislain Poulett</i> 10:40 Open discussion
<b>IPM90</b>	<b>Hall 1A</b>	<b>Institutional Strengthening - The role of Official Statistics in Meeting Global Challenges</b> <b>GTC, Local Hosts</b> 09:00 Organiser: <i>Paul Cheung</i> 09:05 Chair: <i>Pali Lehohla</i> 09:05 How can official statistics contribute to the analysis of climate change impacts, vulnerability and policies? <i>Dennis Trewin</i> 09:30 Globalization and Global Food Crises: The Role of Official Statistics in the African Context <i>Samia Zekaria Gutu</i> 09:55 Measurement Challenges of Globalization <i>(John) Steven Landefeld, Shaunda Villones</i> 10:20 Discussant: <i>Shigeru Kawasaki</i> 10:55 Discussant: <i>Pali Lehohla</i> 11:10 Open discussion
<b>IPM99</b>	<b>Hall 4B</b>	<b>BioStatistics and Clinical Research: A Symbiosis</b> <b>ISI, ISCB</b> 09:00 Organiser and chair: <i>Norbert Victor</i> 09:05 ISCB: promoting statistical developments in clinical research <i>Emmanuel Lesaffre</i> 09:25 Biostatistics at a Research Centre at the interface between the biomedical and statistical sciences <i>Lutz Edler, Annette Kopp-Schneider, Axel Benner</i> 09:45 Biostatistics, its development and dissemination to clinical researchers <i>Rumana Omar, Shahed Murad, Sarah Edwards, Geraint Rees</i> 10:05 Spatial canonical correlation for identifying, connecting and completing Gene - expression networks <i>Aeilko Zwinderman, Sandra Waaijenborg</i> 10:25 Discussant: <i>Niels Keiding</i> 10:35 Discussant: <i>Geert Molenberghs</i> 10:45 Open discussion



# Programme

<b>STCPM18</b>	<b>Hall 4C</b>	<b>Agricultural and Rural Statistics</b>
09:00		Organiser and chair: <i>Michael Steiner</i>
09:05		Challenges for Statistical Methodology in Modern Agricultural Statistics <i>Petrus Cornelis Jacobus Everaers</i>
09:30		Low-Income Farm Operators in the U.S.: Concept and Measurement <i>Robert Gibbs, Mary Ahearn</i>
09:55		Interrelation between Agricultural and Environmental Statistics <i>Eva (Sandorne) Laczka</i>
10:20		The Importance of an Agricultural Frame on Decision-making <i>Moses Mnyaka</i>
10:55		Discussant: <i>Fred Vogel</i>
11:10		Open discussion

<b>STCPM23</b>	<b>Hall 5B</b>	<b>The American Statistical Association Educational Ambassador (EA)</b>
		Organiser: <i>Martha Aliaga</i>
09:00		Chair: <i>Demissie Alemayehu</i>
09:05		Transferring Knowledge in South and Central America - Microarray data analysis <i>Diana Mabel Kelmansky</i>
09:45		Enhancing the Statistics Profession Globally Through an Educational Ambassador Initiative <i>Martha Aliaga, Demissie Alemayehu</i>
10:25		Experiences in transferring of knowledge from Continuing Education (JSM) in Vietnam Discussant: <i>Loan Le</i>
11:05		Open discussion

<b>STCPM30</b>	<b>Hall 5CD</b>	<b>Multisector Development in Africa and the Role of National Statistical Systems</b>
09:00		Organiser and chair: <i>Akiiki Kahimbaara</i>
09:05		Partnerships in the Production of Educational Statistics - Lessons from the South African Experience <i>Bheki Mpanza, Hersheela Narsee, Siza Shongwe, Seble Worku</i>
09:30		How Statistics Improved Decentralization Policies and Approach to Local Development in some African Countries <i>Adalbert Nshimyumuremyi</i>
09:55		Strengthening Statistical Systems within the Framework of the Plan for National Statistical Development in Uganda <i>James Muwonge</i>
10:20		Role of the African Statistics System in the African Integration process <i>Yeo Dossina</i>
10:55		Discussant: <i>Oladejo Ajayi</i>
11:10		Open discussion

<b>STCPM43</b>	<b>Hall 2E</b>	<b>Methodological and Measurement Challenges in Economic Statistics</b>
09:00		Chair: <i>Kali Ndamona</i>
09:05		Purchasing Power Parities amongst South African Provinces <i>Eugene Kgantsi</i>
09:45		Applications And Methods Of Measuring Variance In The Labor Force <i>Marwa Selim</i>
10:25		Weighting and Estimation Methodology for the South African Labor Force Survey <i>Caiphus Mashaba</i>
11:05		Open discussion

<b>CPM1</b>	<b>MR 11C</b>	<b>Statistical distributions</b>
		Chair: <i>A Bekker</i>
09:00		Skewed Student's t Copula: Modeling of Asymmetric Dependence <i>Luiz K Hotta, Erick A Busato</i>
09:20		A suitable estimation for a skew-symmetric density function <i>Mina Towhidi, Mahshid Shaghaghian</i>
09:40		An Alternative Estimator for the Shape Parameter in the Negative Binomial Distribution <i>Neville Weber, Benn Robertson</i>
10:00		Bilateral Gamma Processes and Applications <i>Jose Korakutty Kanichukattu, Manu Mariam Thomas</i>
10:20		Bimatrix variate Beta type IV distribution and its relation to the Wilks's statistic <i>René Ehlers, A Bekker, JJJ Roux</i>
10:40		Relative distribution of a pair of distinct pdfs with negligible difference between cumulated generating functions <i>Pier Luigi Novi Inverardi, Mohammed Nawaz Gorla, Aldo Tagliani</i>

<b>CPM3</b>	<b>MR 12A</b>	<b>Interactive methods in teaching</b>
		Chair: <i>Ulrica Weitz</i>
09:20		Evaluate Effectiveness of Interactive Videoconferencing System and WEB Aided Course Repetition in Medical Instruction <i>Alaattin Parlakkilic, Mesut AKYOL, Selim Yavuz Sanisoglu</i>
09:40		Web materials for Statistics Education via CAUSEweb <i>Brian Jersky</i>
10:00		The Effect of Using DVD in Teaching First-Year Calculus at a Distance: The Use of the Kolmogorov-Smirnov Test <i>Stella Mugisha</i>
10:20		Interactive Exploration of Statistical and Probabilistic Concepts in Algorithms <i>German Hernandez, Leonardo Trujillo</i>
10:40		Perform statistical and engineering analysis with the Excel Analysis ToolPak <i>Ulrica Weitz</i>

<b>CPM7</b>	<b>MR 12B</b>	<b>Resampling methods</b>
		Chair: <i>Ghulam Hussain Choudhry</i>
09:00		The Power of Bootstrap Tests of Co-integration Rank with Financial Time Series <i>Niklas Ahlgren, Jan Antell</i>
09:20		New Bootstrap Methods for Complex Sampling Design in Finite Population <i>Erika Antal, Yves Tillé</i>
09:40		Comparison of the Classical Methods with the Bootstrap Computer Intensive Techniques in Estimating Parameters of the Bivariate Poisson Distribution <i>Michael Tsagris, Ioannis Elamtzoglou, Christos Frangos</i>
10:00		Comparison of Sampling Methods by using Bootstrap Method <i>Abbas Mohammadkhani, Nasorllah Iranpanah</i>
10:20		Regenerative Bootstrap for U-Statistics of Markov Chains <i>Bertail Patrice, Clémenton Stéphan, Tressou Jessica</i>



# Programme

<b>CPM9</b>	<b>MR 12C</b>	<b>Measurement errors</b> Chair: <i>Tetsuro Sakurai</i>
	09:00	Measurement Error in Physical Activity Data <i>Sarah Nusser, Nick Beyler, Alicia Carriquiry, Greg Welk</i>
	09:20	Instrumental Variable Estimation in Measurement Error Model under Exact Restrictions <i>Shalabh Shalabh, Gaurav Garg, Neeraj Misra</i>
	09:40	Estimation of Population Distribution Functions from Samples Contaminated by Measurement Errors <i>Lwando Orbet Kondlo</i>
	10:00	Comparative study of estimators of linear model in the presence of some least squares violations <i>Olutunji Olaomi</i>
	10:20	Logistic Regression with Non-Precise Response <i>S Mahmoud Taheri, Shohreh Mirzaie Yeganeh</i>
	10:40	Regression quantiles with errors-in-variables <i>Dimitris Ioannides</i>

<b>CPM49</b>	<b>Hall 2D</b>	<b>Modelling environmental data</b> Chair: <i>Romain Lucas Glele Kakai</i>
	09:00	Statistical Trend Analysis for Water Accounting and Assessment in Australia: Current Practice and recommendations <i>Quanxi Shao</i>
	09:20	Accounting for seasonality in water quality measurements <i>Sylvia Esterby</i>
	09:40	Modelling Rainfall Data <i>Anna Kaduma, Alfred Kamupingene, Tawuya Nhongo, JS Galpin</i>
	10:00	Inference for stochastic rainfall-runoff models <i>Franz Konecny</i>
	10:20	Application of +2 processes for detection of changes in seasonal behavior of temperature <i>Daniela Jaruskova</i>

<b>CPM52</b>	<b>MR 11A</b>	<b>Merging multiple data sources</b> Chair: <i>Tsung-Jen Shen</i>
	09:00	Contemporaneous Disaggregation and Reconciliation Using State Space Models <i>Leonardo Trujillo, Chris Skinner, Danny Pfeffermann</i>
	09:20	Fusion and inference from multiple data sources <i>Carey E Priebe, Zhiliang Ma, David J Marchette, Elizabeth Hohman</i>
	09:40	Record Linkage in German Official Statistics <i>Markus Zwick, Rainer Lenz</i>
	10:00	Statistical Data Management and Dissemination with PROGNOZ <i>Vladimir Eskin</i>

<b>CPM64</b>	<b>MR 11B</b>	<b>Financial risk assessment</b> Chair: <i>Abdulhakeem Eideh</i>
	09:00	A New Exploring: Definition and Measurement of Financial Risk-Based on Wavelet Analysis <i>Haibo Han, DeYin Fu</i>
	09:20	A case study on using generalized additive models to fit credit rating scores <i>Marlene Müller</i>
	09:40	Optimal Threshold from ROC and CAP Curves <i>C. S. Hong</i>
	10:00	The probability of default: a survival scoring model <i>Vincenzo Lo Iacono, Francesca Giambona</i>
	10:20	The present banking and financial crisis reflected in the financial order of the real world <i>Helmut Maier</i>
	10:40	Evaluation of the effect of debit cards on cash demand by propensity score regressions in a principal stratification model <i>Andrea Mercatanti, Luca Arciero</i>

<b>CPM69</b>	<b>Hall 6A</b>	<b>Road traffic issues</b> Chair: <i>Jonathan Odwee</i>
	09:00	Spatial Risk Assessment in Traffic Safety on Urban Roads <i>Elke Amelie Moons, Christel Faes, Tom Brijs</i>
	09:20	Transport accident deaths in South Africa, 2001-2006 <i>Tapiwa Jhamba</i>
	09:40	Mobile Traffic Forecasting using power transformation GARCH model <i>Sahm Kim</i>
	10:00	Volume indicators in the road freight industry in South Africa <i>Vincent Parker</i>
	10:20	The Dependence of Indoor PAH Concentration on Outdoor PAH and Traffic Volume in an Urban Residential Environment <i>Rey Decastro, Patrick Breysse, Timothy Buckley, Lu Wang</i>

<b>CPM72</b>	<b>Hall 6B</b>	<b>Processes and their properties</b> Chair: <i>Stephen Ojiambo Wandera</i>
	09:00	Uniform convergence of wavelet expansions of Gaussian random processes <i>Andriy Olenko, Yuriy Kozachenko, Olga Polosmak</i>
	09:20	On some population-dependent branching processes <i>Goran Hognas</i>
	09:40	Trend and Random Components of the Levy Fractional Brownian Motion <i>Jeffrey Tejada</i>
	10:00	Some Characterizations of the univariate Distributions based on Truncated Moments of Order Statistics <i>Mohammad Ahsanullah</i>
	10:20	Strong law of large numbers for associated random variables and demimartingales <i>Wang Xuejun, Hu Shuhe</i>
	10:40	On the characterization of life distributions via percentile residual lifetimes <i>Gwo Dong Lin</i>



# Programme

<b>CPM88</b>	<b>MR 22A</b>	<p><b>Statistical Education 1</b> Chair: <i>Dmitrii Silvestrov</i></p> <p>09:00 Gap Analysis of Employers Expectation and Work Readiness of Graduating Mathematical Sciences Students <i>Rasimah Aripin, Aidawati Zainan Abidin</i></p> <p>09:20 (In) Formal aspects of Independent Events <i>Hugo Mael Hernandez Trevethan, Claudia Borim da Silva, Irene Cazorla, Verônica Yumi Kataoka</i></p> <p>09:40 Abuse of Use and Teaching of Statistics in Eastern Nigeria <i>Edith Uzoma Umeh</i></p> <p>10:00 The Challenges Faced in Statistics Education in African Countries <i>Rugambwa Samson</i></p> <p>10:20 Analysis of Statistics content and results of the first national examination based on the South African National Curriculum Statement (NCS) <i>Desiree Yolanda Timmet, Jacky Scheiber</i></p> <p>10:40 Estimation of the Sensitivity and Specificity of Qualitative Diagnostic Test Under Normal Assumption <i>Guijing Chen, Shengyan Hong, Shuhe Hu</i></p>
<b>CPM94</b>	<b>MR 22B</b>	<p><b>Business and markets</b> Chair: <i>Giuseppe Bruno</i></p> <p>09:00 A Markovian Approach for Market Sentiments of DCI of Botswana Stock Exchange <i>K.S. Madhava Rao</i></p> <p>09:20 A Study on Relation between Capacity Index and Capital Stock in Korea <i>Eunyoung Park</i></p> <p>09:40 Test of independence between variables in the Business survey for the services sector – Some empirical evidence from Croatia <i>Mirjana Cizmesija, Natasa Kurnoga Zivadinovic</i></p> <p>10:00 Generalized Efficiency Measure through Directional Distance Formulation of Data Envelopment Analysis <i>TPM Pakkala, Udaya Shetty</i></p> <p>10:20 The Determinants of Cote D'Ivoire's International Competitiveness <i>Anita Anoevna Niangoran</i></p> <p>10:40 An experiment on feedback wording in a Delphi study on professional figures' representation <i>Luigi Fabbris, Cristiano Vanin</i></p>
<b>IPM14</b>	<b>Hall 3B</b>	<p><b>Complex Data Analysis, Dimension Reduction and Sparsity</b> <b>BS</b></p> <p>Organiser and chair: <i>Ursula Gather</i></p> <p>13:00 Detection of an Abnormal Cluster in a Network <i>Ery Arias-Castro</i></p> <p>13:45 Model Free Variable Selection When <math>p</math> is much larger than <math>n</math> <i>Lixing Zhu, Liping Zhu</i></p> <p>14:30 Discussant: <i>Hannes Leeb</i></p> <p>15:05 Open discussion</p>

<b>IPM26</b>	<b>Hall 4B</b>	<p><b>Functional Data Analysis: Theory and Applications</b> <b>IASC, BS</b></p> <p>13:00 Organiser and chair: <i>Jason Fine</i></p> <p>13:05 Functional Data Analysis for Hazard Rates <i>Jeng-Min Chiou, Hans-Georg Mueller</i></p> <p>13:35 Dantzig Selector for Censored Linear Regression Models <i>Yi Li</i></p> <p>14:05 Functional linear regression of gradients from sparse data <i>Ian Mckeague, Sara Lopez-Pintado</i></p> <p>14:35 Discussant: <i>Ingrid van Kielegom</i></p> <p>15:05 Open discussion</p>
<b>IPM37</b>	<b>Hall 4C</b>	<p><b>The roles of statistical agencies in developing statistical literacy</b> <b>IASSE, IAOS</b></p> <p>13:00 Organiser and chair: <i>Reija Helenius</i></p> <p>13:05 Readability and ease of use of the Eurostat Internet <i>Gunter Schaefer</i></p> <p>13:35 Improving statistical literacy - Strategies and Experience of the Australian Bureau of Statistics <i>Siu-Ming Tam, Nicola Cross</i></p> <p>14:05 The role of Statistics Portugal in developing statistical literacy <i>Pedro José Campos, J. Pinto Martins</i></p> <p>14:35 Discussant: <i>Heli Mikkela</i></p> <p>14:50 Discussant: <i>Tae Rim Lee</i></p> <p>15:05 Open discussion</p>
<b>IPM48</b>	<b>Hall 6B</b>	<p><b>Sampling and Estimation Issues in Health Statistics</b> <b>IASS, Local Hosts</b></p> <p>Organiser: <i>Wilton Bussab</i></p> <p>Chair: <i>Pedro do N. Silva</i></p> <p>13:00 Sampling and Estimation Issues in the National Immunization Survey <i>Kirk Wolter, James Singleton, Kennon Copeland</i></p> <p>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 <i>Yehenew Getachew, Butte Gotu, Fikre Enquselassie</i></p> <p>14:05 Gender Inequality on the Awareness of HIV/AIDS in Bangladesh <i>A.H.M. Rahmatullah Imon, A.A.M Nurunnabi</i></p> <p>14:35 Discussant: <i>Pedro do N. Silva</i></p> <p>15:05 Open discussion</p>
<b>IPM70</b>	<b>Hall 2C</b>	<p><b>The size and impact of statistical revisions</b> <b>GTC, IFC</b></p> <p>Organiser and chair: <i>Rudi Axc</i></p> <p>13:00 Statistical revisions - a European perspective <i>Wim Haine, Gabriel Quirós, Remigio Echeverria, Tjeerd Jellema</i></p> <p>13:35 Forecasting Monthly Industrial Production in Real-Time: from Single Equations to Factor-Based Models <i>Giuseppe Parigi, Guido Bulligan and Roberto Golinelli</i></p> <p>14:05 Discussant: <i>K Todani</i></p> <p>14:20 Open discussion</p>



# Programme

<b>IPM89</b>	<b>Hall 1A</b>	<p><b>Institutional Strengthening - Building and maintaining the infrastructure in an environment of scarce resources</b>  <b>GTC, IAOS, Local Hosts</b>            Organiser: <i>Michel Mouyelo-Katoula</i>            Chair: <i>TBA</i></p> <p>13:00 Statistical Infrastructure and Census Implementation in Conflict Countries: Case Study of Palestine  <i>Mustafa Khawaja</i></p> <p>13:30 Communication and Public relations: A paramount component to develop sustainable statistical infrastructure  <i>Thomas Wollnik, Daniel Byk</i></p> <p>13:55 Challenges of statistical infrastructure in Africa  <i>Michel Mouyelo-Katoula</i></p> <p>14:20 Changing Statistics Netherlands: SN Modernization Programme  <i>Ada Van Krimpen</i></p> <p>14:45 Open discussion</p>
<b>IPM94</b>	<b>Hall 1B</b>	<p><b>Do new trends in official statistics, more administrative data and use, with governmental guarantee for independency, present new ethical dilemmas?</b>  <b>GTC, Ethics Committee</b>            Organiser and chair: <i>Olav Ljones</i></p> <p>13:00 The Marriage of Impartiality and Practical Utility  <i>Richard Aldritt, Denise Lievesley</i></p> <p>13:05 Statistics or exposure? - Ethical dilemmas posed by the combination of survey and register data  <i>Øyvind Kleven, Tor Morten Normann</i></p> <p>13:45 How Statutory and Regulatory Changes May Create New and Unintended Challenges for Statistical Agencies  <i>Thomas Mesenbourg</i></p> <p>14:05 Building confidence in the use of administrative data for statistical purposes  <i>Walter Radermacher</i></p> <p>14:25 The Challenge of Developing Good Quality Demographic Statistics for Indigenous Australians  <i>Peter Harper</i></p> <p>14:45 Open discussion</p>
<b>STCPM16</b>	<b>Hall 5B</b>	<p><b>Subjective Data Analysis in the Perspectives of New Approaches in Measuring the Well-Being of Societies</b>            Organiser and chair: <i>Filomena Maggino</i></p> <p>13:00 Measurement requirements for comparative research  <i>Willem Saris</i></p> <p>13:35 Composite indicators for evidence based narratives  <i>Stefano Tarantola, Andrea Saltelli</i></p> <p>14:05 Validating Subjective Measures: A Multilevel View  <i>Filomena Maggino, Bruno D Zumbo, Barry Forer</i></p> <p>14:35 Discussant: <i>Enrico Giovannini</i></p> <p>15:05 Open discussion</p>

<b>STCPM27</b>	<b>Hall 2BH</b>	<p><b>Interactive, data-driven and technology-enhanced approaches for probability and statistics education</b>            Organisers: <i>Ivo Dinov</i>            Chair: <i>Nicolas Christou</i></p> <p>13:00 Examples of Embedding SOCR materials in Undergraduate Statistics Curricula  <i>Nicolas Christou, Ivo Dinov</i></p> <p>13:30 Concepts of Statistical Inference: A Randomization-Based Curriculum  <i>Allan Rossman</i></p> <p>13:55 Teaching and Assessing Statistics Education using Technology  <i>Paul Fields</i></p> <p>14:20 Quantitative and Qualitative Assessment of Technology-Enhanced Probability and Statistics Education  <i>Ivo Dinov</i></p> <p>14:55 Open discussion</p>
<b>STCPM29</b>	<b>Hall 2E</b>	<p><b>Compiling Labour Statistics in Africa's Emerging Economies and Changing Labour Markets</b>            Organiser and chair: <i>James Mubira</i></p> <p>13:00 Compiling Labour statistics in Africa - A case study of South Africa  <i>Yandiswa Mpetsheni</i></p> <p>13:35 TBA  <i>Vincent Ssenono</i></p> <p>14:05 TBA  <i>Babacar Thiam</i></p> <p>14:35 Discussant: <i>Dr Hoffman</i></p> <p>15:05 Open discussion</p>
<b>STCPM45</b>	<b>Hall 2A</b>	<p><b>Sports stats</b>            Organiser and chair: <i>Joseph Hilbe</i></p> <p>13:00 The selection of a South African cricket test squad by means of objective criteria  <i>Hermanus H Lemmer</i></p> <p>13:30 Integer Optimisation for the Selection of a Twenty20 Cricket Team  <i>Gary Sharp</i></p> <p>13:55 Generalized Geometric Distribution for modeling Scores in Cricket and Adjustment in Product Limit Estimates in light of Notout innings  <i>Shubhabrata Das</i></p> <p>14:20 Distribution Modelling of Fantasy Cricket Performance Measures  <i>Warren James Brettenny</i></p> <p>14:55 On the probability distribution of overcoming a lead for baseball games  <i>Norio Togigoe</i></p> <p>15:10 Open discussion</p>



# Programme

<b>STCPM60</b>	<b>Hall 2D</b>	<b>Economics and agricultural statistics: New challenges</b> Organiser: <i>Moses Mnyaka</i> Chair: <i>Michael Manamela</i>
13:00		Data confrontation in agricultural censuses and surveys: An in-depth look at the Census of Commercial Agriculture 2007 in South Africa <i>Edmund Kibuuka</i>
13:30		Food Security and Agriculture in Botswana <i>Phetogo Zambezi</i>
13:55		Research to model imputation for Census of Commercial Agriculture 2002 <i>Phuti Malebana, Karabo Sebolai</i>
14:20		Feasibility study for a short-term Post and Telecommunication survey <i>Olebogeng Sentsho</i>
14:55		A time series analysis of the relationship between inflation and manufacturing productivity growth in South Africa <i>Pebetse Mpshe</i>
15:10		Open discussion
<b>STCPM77</b>	<b>Hall 6A</b>	<b>Institutional cooperation and technical assistance - steps towards developed statistical systems</b> Organiser and chair: <i>Joao Cadete de Matos</i>
13:00		The importance of the oil sector in the balance of payments: sources, statistics and economic analysis <i>António Ramos da Cruz</i>
13:30		Modelling in Countries with Information Gap – the case of Bank of Mozambique <i>Jamal Omar</i>
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 <i>Zeph Nhleko</i>
14:55		Discussant: <i>Adelheid Burgi-Schmelz</i>
15:10		Open discussion
<b>STCPM112</b>	<b>MR 22A</b>	<b>Business Employment and Economic growth</b> Chair: <i>TBA</i>
13:00		Infrastructure and Good governance as Key elements to promoting equity and Economic Growth InSub-Saharan Africa <i>Moses Dowart</i>
13:25		The relationship between economic growth and employment in South Africa: 1994 to 2008 <i>Hlabi Morudu</i>
13:45		Analysis of Income Convergence Across South African Provinces, 1995 - 2007 <i>Robert Ringeta Mabunda</i>
14:05		Monitoring Workers' Remittances and Benefits in Uganda: The Statistical Issues <i>ESK Muwanga-Zake</i>
14:25		The Third Sector's Contribution to the Local Community's Risk Reduction as an Object of Public Statistics <i>Włodzimierz Okrasa</i>
14:45		Assessing the Statistical Methodologies of Business Research in the South African Context <i>Aiffeli Amos Ndou</i>
15:05		Open discussion

<b>CPM2</b>	<b>MR 11A</b>	<b>Statistics and the web</b> Chair: <i>Mark Wopicho Nasila</i>
13:00		Promoting Open Innovation for Data Visualization <i>Julia Orgis, Candido, Jr Astrologo</i>
13:20		Communicating Official Statistics On the Internet Using Data Visualizations: The Philippine Experience <i>Candido, Jr. Astrologo</i>
13:40		An innovative approach to web-based dissemination for statistical story tellers <i>Andrew Herbert</i>
14:00		Scale-space visualization tool for the comparison of time series <i>Kee-Hoon Kang, Cheolwoo Park, Amy Vaughan, Jan Hannig</i>
<b>CPM14</b>	<b>MR 12A</b>	<b>Entropy</b> Chair: <i>Torsten Harms</i>
13:00		Shannon Entropy and Statistics <i>Antonio Batel Anjo</i>
13:20		Some characterizations using Shannon information properties of certain records <i>Jafar Ahmadi</i>
13:40		Shannon Entropy for Known and Unknown Bivariate Beta Distributions <i>Liesbeth Joanna Sylvia Bodvin, Andriette Bekker, JJJ Roux</i>
14:00		Rule-based Classification Using the Entropy Distribution <i>Jung Jin Lee</i>
14:20		How to solve problems with Entropy? The case of Simulated Annealing <i>Antonio Batel Anjo</i>
14:40		Maximum of Second-Order Taylor Approximation of Entropy with Given Marginals and Correlations <i>Sedigheh Shams</i>
<b>CPM44</b>	<b>Hall 5CD</b>	<b>Issues affecting women in society</b> Chair: <i>Mamello Phororo</i>
13:00		Fecondite et Enjeux de la Croissance Rapide de la Population du Burkina Faso <i>Bonkougou Zakaliyat, Lougué Siaka</i>
13:20		Assessment of the burden of health expenditure on the living conditions in Mali <i>Ariane Wakap</i>
13:40		Some methodological issues about the new sample designs for French household surveys <i>Marc Christine</i>
14:00		Analyse spatiale des disparités de genre dans l'éducation: implications de politiques pour des reformes sensibles au genre <i>Coulibaly Matenin</i>
14:20		Education et déperdition scolaire des adolescentes en RDC à partir de l'EDS 2007 : Analyse causale <i>Kabeya Jackie Kabwe, Mbelu Elisabeth Kayiba, Tumwaka Perpetue Madungu</i>
14:40		Impact of the political crisis in demand of Primary education in Ivory Coast from 2000 to 2006 <i>Claude Latrie Mvoa</i>





# Programme

<b>CPM54</b>	<b>MR 12B</b>	<b>Sampling theory</b> Chair: <i>Sanghamitra Pal</i>
13:00		Properties of the Negative Binomial Sampling Scheme <i>Victor Alfredo Bustos, Miriam Romo</i>
13:20		Multivariate Stratified Sample Design <i>Namkung Pyong, Choi Jae-Hyuk, Kim Yon-Hyong</i>
13:40		Coverage of the H-T estimator for small size of samples <i>Geunshik Han</i>
14:00		Ratio estimators of co-efficient of variation in finite population <i>Archana V</i>
14:20		Sampling file <i>Seppo Laaksonen</i>

<b>CPM81</b>	<b>MR 12C</b>	<b>Improving Official Statistics</b> Chair: <i>José Manuel Corcuera</i>
13:00		"Count Us In" - A Re-Look at the Measurement of Disability in the South African Census <i>Princelle Dasappa</i>
13:20		Research on Risk of Statistic Survey <i>Xiufeng Chen</i>
13:40		So you think you can SEIFA? Advocating the good use of socio-economic indexes for area <i>Joanne Baker</i>
14:00		Weighting Quality Dimensions <i>Nazeem Mustapha</i>
14:20		Issues on confidence of Official Statistics <i>Carmem Feijo</i>
14:40		Living Standard Measurement Study, Serbia, 2007 <i>Slavko Kapuran, Dragan Vukmirovic</i>

<b>CPM89</b>	<b>MR 22B</b>	<b>Statistical Education 2</b> Chair: <i>Casment Mahlwele</i>
13:00		Populations, Samples, Measurement, Variables and Data: Pedagogically Undervalued Foundation Slabs of Statistical Castles <i>Venant R.N. Mutabihirwa</i>
13:20		On Measures for Resolving Student's Misconceptions in Statistics in University of Lagos, Nigeria <i>Muminu Osumah Adamu, Ismail Adeleke</i>
13:40		Statistical Education of Medical Students in Pavlov State Medical University <i>Elena Verbitskaya</i>
14:00		Changes in the Media Habits of College Students during the Last Five Years and the Implications for Education <i>Bill Rybolt</i>
14:20		Influential Mathematicians: Where do they Come from and Where do they Go? <i>John Panaretos</i>

<b>IPM19</b>	<b>Hall 2C</b>	<b>Globalisation and official statistics - How to ensure international comparability, while retaining national relevance</b> <b>IAOS, Local Hosts</b>
15:30		Organiser and chair: <i>Robin Lynch</i>
15:35		Consequences of inward foreign direct investment for productivity at the micro and meso level <i>Peter Van De Ven, Fabienne Fortanier</i>
16:05		International migration – can the statistics keep up? <i>Guy Goodwin, Alex Tosta</i>
16:35		The goals and importance of the IMF's 2009 Coordinated Direct Investment Survey <i>Ralph Kozlow</i>
17:05		Globalisation of services and the peculiar case of trade in healthcare <i>William Cave</i>
17:35		Open discussion

<b>IPM28</b>	<b>Hall 3B</b>	<b>Statistics and the Internet for Development in e-Education e-Health and Other Fields with particular reference to Africa</b> <b>IASC</b>
		Organiser: <i>Fionn Murtagh</i>
15:30		Chair: <i>John Haslett</i>
15:35		Developing marketing and social indicators using Correspondence Analysis <i>Neil Higgs</i>
16:00		Persistent themes in ICTD research: priorities for statistics and new modes of data gathering <i>Jonathan Donner, Kentaro Toyama</i>
16:25		Mobile Network Operators - A Multiplier in Providing eHealth Solutions to Africa <i>Jacques De Vos, Craig Friderichs, Maruis Conradie</i>
16:50		Methodological and operational challenges in developing internationally comparable indicators on ICTs use in education <i>Claude Akpabie</i>
17:15		Discussant: <i>John Haslett</i>
17:40		Open discussion

<b>IPM42</b>	<b>Hall 2D</b>	<b>Survey Research in Statistics Education</b> <b>IASE</b>
15:30		Organiser and chair: <i>Irena Ograjensek</i>
15:35		Methodological problems of survey applications in statistics education <i>Irena Ograjensek, Mojca Bavdaz</i>
16:05		Did It Make a Difference? Evaluating Transformational Change in the Statistics Classroom <i>Paul Fields</i>
16:35		Teaching statistics through surveys - Experiences at the University of Southampton <i>Natalie Shlomo</i>
17:05		Discussant: <i>Steven Heeringa</i>
17:35		Open discussion



# Programme

<b>IPM49</b>	<b>Hall 2E</b>	<b>Measuring and Assessing Respondent Load</b> <b>IASS, Local Hosts</b>
15:30		Organiser and chair: <i>Richard Penny</i>
15:35		Understanding Perceived Response Burden in Business Surveys <i>Dan Hedlin, Boris Lorenc</i>
16:05		Measurement of Respondent Load at Statistics New Zealand <i>Rebecca Merrington, Lizette Van Heerden, Brian Torrey</i>
16:35		Measuring and Assessing Respondent Load: A case study by Statistics South Africa <i>Marlize Pistorius, Azam Khan, Paula l'Ons</i>
17:05		Discussant: <i>Richard Penny</i>
17:35		Open discussion

<b>IPM71</b>	<b>Hall 4C</b>	<b>Statistics of institutional investors</b> <b>GTC, IFC</b>
		Organiser: <i>Mary Amiti</i>
		Chair: <i>Michael Kock</i>
15:30		A perspective on the South African flow of funds compilation – theory and analysis <i>Barend De Beer, Zeph Nhleko, Nonhlanhla Nhlapo</i>
15:55		Broadening the Institutional Coverage of Financial Statistics in the Euro Area <i>Jani Matilainen, Barbara Zupancic, Antonio Matas Mir, Rafael Quevedo</i>
16:15		Nominees, Registries and Settlement Systems: gathering securities statistics for soundness and efficiency purposes <i>Ian Nield</i>
16:35		Sources and methods for Institutional Investors in Euro Area Accounts <i>Celestino Giron</i>
16:55		Discussant: <i>Michael Kock</i>
17:05		Open discussion

<b>IPM91</b>	<b>Hall 1A</b>	<b>Institutional Strengthening - Developing the capability of the people producing and analysing official statistics</b> <b>GTC, Local Hosts</b>
		Organiser and chair: <i>Ben Kiregyera</i>
15:30		Mentoring in Statistics: A Systematic Review and Suggestions for Reform <i>Lehana Thabane, Adefowope Oduyungbo</i>
15:35		Building minimum statistical capacity for reliable national statistics <i>Roger Stern</i>
16:00		Building minimum statistical capacity for reliable national statistics <i>Roger Stern</i>
16:25		Statistical Training: A Pillar for Strengthening Capacity for Statistics Development for Better Development Outcomes <i>Agnes Mary N. Ssekiboobo</i>
16:50		Statistical Capacity Building in International Development Cooperation - Experience with E-Learning in Sub-Saharan Africa <i>Markus Wauschkuhn</i>
17:15		Discussant: <i>Dr Sastry</i>
17:25		Open discussion

<b>STCPM14</b>	<b>Hall 4B</b>	<b>Statistical Training and Education</b>
15:30		Organiser and chair: <i>Thana Chrissanthaki</i>
15:35		European Statistical System - The new Learning and Development Framework (ESS-LDF) <i>Bernd Stoertzbach</i>
16:00		The General Data Dissemination System (GDDS) - A Reflection on its First 12 Years and Plans for Taking it Forward <i>Charles Enoch</i>
16:25		TBA
		<i>Alain Lery</i>
16:50		SCA-ECLAC Knowledge Transfer Network <i>Antonio Martínez, Antonio Salcedo</i>
17:15		Statistical Education System including e-Learning of Statistical Training Institute of Korea <i>Hyunsik Hwang, Hyosub Byun</i>
17:40		Discussant: <i>Charles Enoch</i>
		Open discussion

<b>STCPM41</b>	<b>Hall 6A</b>	<b>Social Accounting and Tourism Statistics in Africa</b>
		Chair: <i>Joe de Beer</i>
15:30		Including a 'Domestic and Outbound Tourism Module' in Household Income and Expenditure Survey (HI/ES); A Ghanaian Experience <i>Ebenezer Kojo Ocran</i>
15:55		Time series analysis: Application to tourism forecasting <i>Marcus Motshwane, Maseka Lesaana, Solly Seeletse</i>
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 <i>Sandile Elvis Simelane, Neo Nghenavo, Susanna Ubomba-Jaswa, Tshwaro Gae</i>
16:35		Nature and Patterns of Population Growth in North West Province, South Africa, 1996-2007 <i>Martin Enoch Palamuleni</i>
16:55		An analysis of demographic trends for the Hibiscus Coast Municipality to inform strategic challenges <i>Helen North</i>
17:15		Age structural transition in South Africa and its policy implications <i>Henry Doctor, Mosidi Nhlapo</i>
17:35		Open discussion



# Programme

<b>STCPM48</b>	<b>Hall 2BH</b>	<b>Economic Accounts and Economic-Environmental Accounts for Food and Agriculture: Design and Practice</b> Organiser: <i>Xiaoning Gong</i> Chair: <i>Pietro Gennari</i>
15:30		Water Accounting for Australian Agriculture - Understanding the Economic Impact of a Scarce Resource on a Critical Industry <i>Peter Harper</i>
15:35		
16:00		Towards a System of Environmental Economic Accounts for Agriculture and Rural Development <i>Ivo Havinga</i>
16:25		Accounting for the Maintenance of Agro-Ecosystems' Total Ecological Potential <i>Jean-Louis Weber</i>
16:50		Applying SNA and SEEA as a framework for Food and Agricultural Statistics <i>Xioning Gong</i>
17:15		Discussant: <i>Eduardo Pereira Nunes</i>
17:40		Open discussion

<b>STCPM49</b>	<b>Hall 1B</b>	<b>Some Current Ethical Issues in Official Statistics</b> Organiser: <i>William Seltzer</i> Chair: <i>Grace Bediako</i>
15:30		Recent developments in price and related statistics in Argentina <i>Edmundo Berumen, Victor Beker</i>
15:35		
16:00		How to react when the independence of statisticians and the integrity of statistics are endangered? <i>Jean-Louis Bodin</i>
16:25		Statistical Confidentiality and UK Population Censuses: Recent History and Prospects <i>William Seltzer</i>
16:50		Recent challenges to the ethics underlying official statistics in New Zealand <i>Vince Galvin, Sharleen Forbes, Andrew Hunter, Paul Maxwell</i>
17:15		Regulations and practices for the protection of confidentiality of statistical data: some experiences from Spain <i>Martin-Guzman Pilar, Villan Ildefonso</i>
17:40		Open discussion

<b>STCPM71</b>	<b>MR11B</b>	<b>Statistical Significant Learning Experiences</b> Organiser and chair: <i>Jose Pinto Martins</i>
15:30		Challenges: a Significant Learning Experience in Elementary and Secondary Schools <i>Pedro Campos, Jose Pinto Martins, Emilia Oliveira</i>
15:35		
15:55		Statistical Literacy Competitions and Statistical learning <i>Juana Sanchez, Emilia Oliveira, Koleka Rangaza</i>
15:35		Creating significant Learning Experiences in Graduate Statistics Courses Through Statistical Literacy Assessments <i>Enriqueta Reston</i>
16:15		Methods to enhance student learning of statistics <i>Patrick Murphy</i>
16:35		Capacity building; making the human resources useful for statistical production - The case of the National Statistical School in Mozambique <i>Leonette Mabjaia, Destina Uinge, Cassiano Chipembe, Firmino Guiliche</i>
16:55		Learning and Teaching Statistics with Technologies <i>Antonio Batel Anjo, Paula Oliveira</i>
17:15		Open discussion

<b>STCPM75</b>	<b>Hall 5B</b>	<b>Bayesian methods for inverse problems</b> Organiser: <i>Ernest Fokoue</i> Chair: <i>Paul Fatti</i>
15:30		Efficient Derivation of Sparse Representations in Radial Basis Function Regression <i>Ernest Fokoue</i>
15:35		
15:55		Linear Mixed Models, Fixed Effects or Random? <i>Dongchu Sun</i>
16:15		Modelling Age-specific Nest Survival Curve Using a Hierarchical Bayesian Approach <i>Chong He</i>
16:35		Bayesian reference analysis for exponential power regression model <i>Helio Migon</i>
16:55		Bayesian Unit Root Test in Stochastic Volatility Model with Correlated Errors <i>Zeynep Kalaylioglu</i>
17:15		Bayesian Smoothness and Shrinkage Priors in Regression <i>Ludwig Fahrmeier</i>
17:35		Open discussion

<b>STCPM78</b>	<b>Hall 2A</b>	<b>Building Real-Time Databases and their use in revisions analysis and simulation exercises</b> Organiser and Chair: <i>Gian Luigi Mazzi</i>
15:30		Performing Revision Analysis on sub-annual data for selected OECD countries <i>Michela Gamba, Elena Toseito, David Brackfield</i>
15:35		
16:00		A Real-Time Database for Principal European Economic Indicators <i>Dominique Ladiray, Gian Luigi Mazzi, Rosa Rugieri-Cannata</i>
16:25		An Area Wide Real Time Data Base for the Euro Area <i>Michele Modugno</i>
16:50		Revisions analysis and the role of metadata <i>Andreas Lorenz</i>
17:40		Open discussion

<b>STCPM87</b>	<b>MR11A</b>	<b>Bayesian methods</b> Chair: <i>Khangelani Zuma</i>
15:30		A Bayesian Extension of the Global Yield Curve <i>Luiz K Hotta, Márcio P Laurini</i>
15:35		
15:55		A Bayesian approach to model robust designs <i>Vincent Agboto, William Li, Christopher Nachtsheim</i>
16:15		Bayesian Approach in Estimating Risk Determinants of Infectious diseases <i>Thembile Mzolo</i>
16:35		Projection of mesothelioma mortality in Great Britain using Bayesian methods <i>Emma Tan, Nick Warren</i>
16:55		Estimation of lifetimes in generalized gamma distribution <i>Shui-Ching Chang</i>
17:15		Open discussion



# Programme

<b>STCPM114</b>	<b>Hall 12A</b>	<b>Applied Statistics</b>	
15:30		<i>Linda Haines</i>	
15:35		Experimenting with Training in the Utilisation of Official Statistics for Policy Makers and Social Analysts with No or Little Knowledge of Statistics <i>Gabriel Tati</i>	
15:55		Tests for normality in classes of skew-normal and skew-t alternatives <i>Cinzia Carota</i>	
16:15		The use of Statistical Inference in PhD dissertations in Biological Sciences <i>María Inés Rodríguez, Héctor Luis Agnelli, Norma Gallardo</i>	
16:35		Estimation of a sensitive proportion by Warner's randomized response data through inverse sampling <i>Mausumi Bose, Arijit Chauduri, Kajal Dihidar</i>	
16:55		Exponential Survival Entropies and Their Properties <i>DS Hooda, DK Sharma</i>	
17:15		On Seven-parameter Generalized Logistic Distribution <i>Kehinde Akintayo Olapade</i>	

<b>STCPM115</b>	<b>MR 12B</b>	<b>Development and growth</b>	
15:30		Chair: <i>TBA</i>	
15:35		HDI Report for Northern Cape <i>Christine Kruger</i>	
15:50		The Economic Transition and Growth of Philippine Regions <i>Monica Florida Sandoval, Dennis Mapa</i>	
16:05		Consumer Preferences for Choosing GSM Network Provider Services in Nigeria <i>Muminu Osumah Adamu, Elizabeth Adeyosoye</i>	
16:20		Constructing and Modelling SAMs from the SNA for the study of impacts of policy measures <i>Susana Santos</i>	
16:35		The impact of FDI on export performance: empirical evidence from EU candidate countries <i>Vesna Bucevska</i>	
16:50		Household Surveys in Africa: New Challenges, Nigeria Experience <i>Ofunne Augustine, Onyelisi</i>	
17:10		Open discussion	

**STCPM130 MR 22A Maths4Stats Workshop A 1 15:30**

**STCPM135 MR 22B Maths4Stats Workshop B 1 15:30**

<b>CPM6</b>	<b>Hall 5CD</b>	<b>Stochastic processes</b>	
		Chair: <i>Wendy Thomas</i>	
15:30		Un test d'homogénéité pour des données fonctionnelles <i>Aghoukeng Jiofack Jean Gérard, Nkiet Guy Martial</i>	
15:50		Le Bruit de Grenaille à Paramètres Aléatoires (Shot Noise with Random Parameters) <i>Chamayou Jean-Francois</i>	
16:10		Normalite Asymptotique de l'Estimateur à Noyau mobile de l'Indice de Pauvreté <i>Galaye Dia</i>	
16:30		Analyse de la polyvalence: cas des machinistes (conducteurs d'autobus) de la société des transports abidjanais (SOTRA) <i>Dosso Masse</i>	
16:50		Strong Consistency of Nonparametric Regression functions in Competing Risks Model <i>Kossi Essona Gneyou</i>	
17:10		Testing of homogeneity in the variance of wavelet coefficients <i>Kouamo Olaf, Moulines Eric, Roueff François</i>	

<b>CPM16</b>	<b>MR 11C</b>	<b>Robust statistics</b>	
		Chair: <i>Temesgen Zewotir</i>	
15:30		Comparison of Robust Estimators in One-Way-Classification Experimental Design Model <i>Ibrahim Erkan</i>	
15:50		The BACON Approach for Rank-Deficient Data <i>Mark Werner, Ali Hadi, Athanassios Kondylis</i>	
16:10		Monte Carlo Procedure With Pseudo-Medians For Asymmetric Distributions <i>Nor Aishah Ahad, Abdul Rahman Othman, Sharipah Soaad Syed Yahaya, Appaswamy Ramanathan Padmanabhan</i>	
16:30		Estimation in Logistic Regression Models with Bivariate Stochastic Covariates <i>Evrin Oral</i>	
16:50		Robust recursive methods in time series <i>Tomas Cipra</i>	
17:10		The Generalized Bootstrap and Robust Estimates for Mixed Models <i>Alan Welsh</i>	

<b>CPM114</b>	<b>MR 12C</b>	<b>Software, e-statistics and consulting</b>	
		Chair: <i>Tomàs Aluja-Banet</i>	
15:30		Determining Optimum Strata Boundaries for Skewed Population <i>M.G.M. Khan</i>	
15:50		Effectiveness of filter trading as an intraday trading rule <i>Kin Lam, Philip LH Yu, Ling Xin</i>	
16:10		Implementing the Probability Density Function Calculation of the Stable Pareto Distribution in R <i>Dedi Rosadi</i>	
16:30		Ad Hoc Statistical Consulting within a large Research Organisation <i>C D Elphinstone, Renee Koen, Sonali Das</i>	
16:50		GenStat Discovery, free sophisticated first world menu-driven analysis tools available to the developing world, and in particular, Africa <i>Stewart Andrews</i>	
17:10		Intensity Estimation of S-shaped Software Reliability Growth Models <i>Mei-Mei Zen</i>	



# Daily Planner

07:00

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# Programme

<b>IPM12</b>	<b>Hall 5B</b>	<b>Statistics in Biodiversity</b> <b>BS</b>
09:00	Organiser and chair: <i>Miguel Nakamura</i>	
09:05	Site occupancy models and inference using single and multiple surveys <i>Subhash Lele</i>	
09:45	Statistical Estimation of Biodiversity Indices <i>Anne Chao</i>	
10:25	Discussant: <i>Abdel El-Shaarawi</i>	
11:05	Open discussion	
<b>IPM24</b>	<b>Hall 2A</b>	<b>Quality Control and Assurance of Administration Data used in Statistics Production</b> <b>IAOS</b>
09:00	Organiser and chair: <i>Hikka Vihavainen</i>	
09:05	Framework of Quality Assurance for Administrative Data Sources <i>Piet Daas, Judit Arends-Tóth, Barry Schouten, Léander Kuijvenhoven</i>	
09:35	Quality Assurance and Control of the Finnish Population Register System Data for the Purposes of Statistics Production <i>Riitta Harala</i>	
10:05	Managing the Quality of Administrative Data in the Production of Economic Statistics <i>Ron Mckenzie</i>	
10:35	Discussant: <i>Steven Vale</i>	
11:05	Open discussion	
<b>IPM36</b>	<b>Hall 2D</b>	<b>Random projection for multimedia retrieval</b> <b>IASC</b>
09:00	Organiser and chair: <i>Jean-Hughes Chauchat</i>	
09:05	Stable Random Projections <i>Ping Li</i>	
09:35	On the Performance of Clustering in Hilbert Spaces <i>Gérard Biau, Luc Devroye, Gabor Lugosi</i>	
10:05	How many random projections suffice to determine a probability distribution? <i>Juan A. Cuesta-Albertos</i>	
10:35	Discussant: <i>Annie Morin</i>	
11:05	Open discussion	
<b>IPM38</b>	<b>Hall 2C</b>	<b>Educating the public on how to use official statistics</b> <b>IASE, Local Hosts</b>
09:00	Organiser and chair: <i>Peter Wingfield-Digby</i>	
09:05	Making Statistics attractive through Partnerships with the Media <i>Ben Paul Mungyereza</i>	
09:30	Improving Use of Official Statistics - How Marketing and IT Help <i>Chun-Keung, Leo Yu</i>	
09:55	Making official data relevant to students: Statistics Canada's Education Outreach Programme <i>Mary Townsend, Art Ridgeway</i>	
10:20	Discussant: <i>Davaasuren Chultemjamts</i>	
10:55	Discussant: <i>Hilary Joffe</i>	
11:10	Open discussion	

<b>IPM59</b>	<b>Hall 2BH</b>	<b>Dissemination of Survey Results to Public</b> <b>IASS</b>
09:00	Organiser and chair: <i>Tommy Wright</i>	
09:05	Dissemination of Survey Data at the U.S. Bureau of the Census <i>Thomas Moore</i>	
09:35	Innovative Technology to Improve Quality and Enhance Stakeholder Satisfaction <i>Ashwell Jenneker, Nireen Naidoo</i>	
10:05	Statistical dissemination and Trust <i>Kees Zeelenberg, Steven de Bie</i>	
10:35	Discussant: <i>David Dolson</i>	
11:05	Open discussion	
<b>IPM75</b>	<b>Hall 4C</b>	<b>Inference and prediction in competing risks and multi-state models</b> <b>GTC, LS</b>
09:00	Organiser and chair: <i>Hein Putter</i>	
09:05	Analysing the impact of intermediate events in multistate models <i>Martin Schumacher, Jan Beyersmann</i>	
09:35	Practical aspects of multistate modelling: Representation, timescales and prediction <i>Bendix Carstensen</i>	
10:05	Inference and prediction in multi-state models: The additive approach <i>Ornulf Borgan</i>	
10:35	Discussant: <i>Niels Keiding</i>	
11:05	Open discussion	
<b>IPM103</b>	<b>Hall 1A</b>	<b>President's Invited Papers Meeting</b> <b>ISI</b>
09:00	Organiser and chair: <i>Denise Lievesley</i>	
09:05	The evolution of controlled intervention studies: An international achievement <i>Professor Sir Iain Chalmers</i>	
09:45	Untutored speculations on the subtle role of perspective in statistical endeavour <i>Dr Mark Orkin</i>	
10:25	Modern trends in data mining <i>Professor Trevor Hastie</i>	
10:45	Open discussion	



# Programme

<b>STCPM5</b>	<b>Hall 4B</b>	<b>Statistical methods applied in GIS and remote sensing</b> Organiser: <i>Pravesh Debba</i> Chair: <i>Venkata Seshachala Sarma Yadavalli</i>
09:00		Analysing GPS tracking data of animal movements in the Kruger National Park <i>Victoria Goodall, Paul Fatti, Norman Owen-Smith</i>
09:05		Evaluation of discrimination measures to characterize spectrally similar leaves of African Savannah trees <i>Nontembeko Duden, Pravesh Debba, Moses Cho, Renaud Mathieu</i>
09:25		An optimal spatial sampling scheme to characterize mine tailings <i>Pravesh Debba, Emmanuel John M. Carranza, Alfred Stein, Freek D. Van Der Meer</i>
09:45		Modelling multivariate spatially correlated frailty effects using Bayesian survival methods <i>Samuel Manda</i>
10:05		The use of Sample Statistics, Earth Observation and GIS in the South African Crop Estimation System <i>Terry Newby, Fanie Ferreira, Eugene Du Preez, Wiltrud Du Randt</i>
10h25		Discussant: <i>Paul Fatti</i> Open discussion
10:45		
11:05		
<b>STCPM 19</b>	<b>Hall 3B</b>	<b>Global Adult Tobacco Survey (GATS) - National Household Surveys on Adult Tobacco Use across the World: Coverage and Comparability</b> Organiser: <i>Krishna Palipudi</i> Chair: <i>Charles Warren</i>
09:00		GATS Standard Protocol <i>Krishna Palipudi</i>
09:05		GATS Egypt: Implementation and Challenges <i>Awatef Hussein</i>
09:30		GATS Brazil: Implementation and Challenges <i>Eduardo Pereira Nunes, Elizabeth Hypolito</i>
09:55		GATS Turkey: Implementation and Challenges <i>Enver Tasti</i>
10:20		Discussant: <i>Charles Warren</i> Open discussion
10:55		
11:10		
<b>STCPM28</b>	<b>Hall 1B</b>	<b>Measuring bank services: Further developments</b> Organiser and chair: <i>Steven Keuning</i>
09:00		Risk and Implicit Output of Bank Services <i>J. Christina Wang</i>
09:05		Treatment of risks in the estimation of FISIM <i>Satoru Hagino</i>
09:20		Bank services: Some reflections on the treatment of default risk and term premium <i>Antonio Colangelo, Reimund Mink</i>
09:35		Measuring the services of commercial banks in the NIPAs <i>Dennis Fixler, Steve Landefeld, Brent Moulton</i>
09:50		The measurement of financial services in the national accounts and the financial crisis <i>Michael Davies</i>
10:05		A risk-adjusted FISIM: practical issues in price and volume measurement of financial services in the national accounts <i>Peter van de Ven, Wolfgang Eichmann</i>
10:20		Discussant: <i>Adelheid Burgi-Schmelz</i> Open discussion
10:35		
10:50		

<b>STCPM38</b>	<b>Hall 6A</b>	<b>Agriculture and Food Security: Developments in Africa</b> Chair: <i>Sheryl Hendricks</i>
09:00		Research on Development Targets of Modern Agriculture of Fujian Province <i>Yingxia Lin, Chunshan Ye</i>
09:05		The Development of the Agricultural Sector Strategic Plan for Statistics: A Data Collection Plan for Agricultural Statistics in Uganda <i>ESK Muwanga-Zake</i>
09:30		Financing of Agriculture and Agricultural Growth: Case of Burkina Faso <i>Dramane Bako</i>
09:55		The Impact of Training of Farmers on the Agriculture Productivity in Mali <i>Ankouvi Mawoudoudji Nayo</i>
10:20		The Base of Operations: Estimating New Zealand's productive capital stock of non-agricultural land <i>Jodi York</i>
10:45		Open discussion
11:10		
<b>STCPM46</b>	<b>MR 12A</b>	<b>Statistical techniques in Disease/Mortality prevalence in Sub-Saharan African countries</b> Chair: <i>N Kandala</i>
09:00		Socio-demographic determinants of anaemia among women and children in Uganda in 2006: A multilevel analysis. <i>Ngianga Il Kandala</i>
09:05		Macro Determinants of Spatial Variation of Childhood Mortality in Malawi using Flexible Bayesian Gaussian Mixtures <i>Samuel Manda</i>
09:30		Analysis of Childhood Morbidity with Geoadditive Probit and Latent Variable Model: A case study for Egypt <i>Khaled Khatab, Ludwig Fahrmeir</i>
09:55		Modeling HIV-1 disease progression in infants using multi-state models <i>Thaddaeus Egondi, John-Stewart Grace</i>
10:20		Comparative study between parametric and non-parametric approaches in simulated data for estimating incidence of HIV <i>Georges Parfait Djimefo Kapen, Henri Gwet, Jean Christophe Thalabard, Pouillot Régis</i>
10:40		Open discussion
11:00		



# Programme

<b>STCPM47</b>	<b>Hall 2E</b>	<b>Statistics in Malaria</b> Organiser: <i>Francesca Little</i> Chair: <i>June Juritz</i> 09:00 Development of optimal designs for population pharmacokinetic studies of artesunate <i>Kris Jansen, Julie Simpson, Joel Tarning, Niklas Lindegardh</i> 09:05 Statistical methods for the analysis of gametocytemia in patients with malaria <i>Francesca Little, Greg Distiller, Dominique Katshunga</i> 09:55 Nonlinear mixed effect modeling of drug concentration - time curves when used as prophylactic treatment against malaria in pregnant women. <i>Katya Mauff, Francesca Little, Karen Barnes, Myaing Nyunt</i> 10:20 Measures of artemisinin efficacy <i>Sue J Lee, Kasia Stepniewska, Nicholas J White</i> 10:55 A Simulation model of Anti-malarial Drug Resistance <i>Sheetal Prakash Silal, Francesca Little</i> 11:10 Open discussion
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<b>STCPM90</b>	<b>Hall 6B</b>	<b>Theoretical aspects of Small Area Estimation</b> Chair: <i>Ray Chambers</i> 09:00 Sample sizes for Small Area Estimation under Stratified SRS Design <i>Wilford Molefe</i> 09:35 On sample allocation for planned small areas <i>Ghulam Hussain Choudhry, J N K Rao</i> 10:05 Small Area Estimation using Survey Re-weighting and Lorenz Parameterizations <i>Arturo Martinez</i> 10:35 A Small Area Estimation Based on Relative Error <i>Hee-Jin Hwang, Sang Eun Lee, Hwa-Young Lee, Key-Il Shin</i> 11:05 Open discussion
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<b>CPM22</b>	<b>MR 11A</b>	<b>Health statistics</b> Chair: <i>Jeffrey Tejada</i> 09:00 Developing 'Rational Service Areas' to Assess the Adequacy of Primary Care Capacity <i>Sandra McGinnis, Jean Moore, Tracey Continelli</i> 09:20 Reproductive health and Quality of life - Environmental linkages <i>Melba Dsouza, Subrahmanya Nairy K</i> 09:40 Women's Employment Status and Postnatal Care Utilisation in Ghana <i>Nicholas Coffie</i> 10:00 An Approach to Understand the Determinants of Unwanted Births in India - A Case Control Study <i>Priyanka Dixit</i> 10:20 Tobacco Use during Pregnancy: An Investigation from a National Household Survey <i>Krishna Mohan Palipudi, Samira Asma</i> 10:40 User needs for statistical information systems <i>Mauro Scanu, Stefano De Francisci, M Francesca Loporcara</i>
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<b>CPM24</b>	<b>MR 11C</b>	<b>Health workforce inequalities</b> Chair: <i>Gwo Dong Lin</i> 09:00 Health workforce inequalities problems in public health of the Republic of Uzbekistan, way and measures of their decision <i>Nodirjon Tursunov, Timur Khakimov</i> 09:20 Health workforce inequality in post conflict situation 'a case of Northern Uganda' <i>Wanglobo Dickson</i> 09:40 Occupational accidents among Brazilian primary health care workers: sex and occupation inequalities <i>Leila Garcia, Luiz Facchini</i> 10:00 Principal Components Analysis and cluster analysis to characterise workforce attrition for policy development <i>Tana Wuliji, Sarah Carter, Ian Bates</i> 10:20 Bed Occupancy and Man Power Statistics, A Case Study at Tamale Teaching Hospital <i>David Ndita Atiah</i> 10:40 Factors influence on happiness of Human resource Boromrajachonani Bangkok College of Nursing, Thailand <i>Malee Geounupakkul Aoranong Tunprommaraj Apinya Prinpjarn</i>
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<b>CPM27</b>	<b>Hall 5CD</b>	<b>Utilisation of national statistics systems</b> Chair: <i>Hugo Mael Hernandez Treveathan</i> 09:00 Les Defis de L'utilisation des Statistiques Officielles en Republique Democratique du Congo <i>Tumwaka Madungu, Kabeya Kabwe, Mbelu Kabiya</i> 09:20 Caractérisation du secteur informel à partir des enquêtes 123 des Etudes Ecoloc: le cas de Koudougou <i>Kouassi Hugues Kouadio</i> 09:40 Les Telecommunications au Benin: Bilan et Perspectives <i>Landry Zolikpo</i> 10:00 Modélisation de l'offre des produits céréaliers au BURKINA FASO à partir de l'Enquête Permanente Agricole 2006-2007 <i>Koursangama Adama</i> 10:20 Les défis du système statistique national au Burkina Faso <i>Lonkila Moussa Zan</i> 10:40 La Représentativité des Femmes dans les Organes Producteurs et Utilisateurs des Statistiques en Republique Democratique du Congo <i>Mbelu Elisabeth Kayiba, Kabeya Jackie Kabwe, Tumwaka Perpetue Madungu</i>
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<b>CPM97</b>	<b>Hall 11B</b>	<b>Multivariate methods</b> Chair: <i>Rugambwa Samson</i> 09:00 Confidence regions in three-dimensional shape analysis <i>Simon Preston, Andrew Wood</i> 09:20 On definitions of mean reflection shape <i>Andrew TA Wood, Simon P Preston</i> 09:40 A Comparative Study for a Bandwidth Matrix Choice for Bivariate Kernel Density Estimates <i>Ivanka Horova, Jan Kolacek, Kamila Vopatova, Jiri Zelinka</i> 10:00 Detecting spurious jumps in high frequency data <i>Pierre Bajgrowicz, Olivier Scaillet</i> 10:20 Mixtures of Weighted Distance-Based Models for Ranking Data <i>Paul Lee, Philip Yu</i>
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# Programme

<b>CPM103</b>	<b>MR 12C</b>	<b>Issues of risk</b> Chair: <i>John Wicliif Odhiambo</i>
09:00		A Pearson Curve to Approximate the Age Distribution of HIV/AIDS Infection in Botswana <i>Parameswara Krishnan</i>
09:20		Indirect Estimation of Operational Risk Indicators for SMEs via Data Mining from Basel II Point of View <i>Ali Serhan Koyuncugil, Nermin Ozgulbas</i>
09:40		Targeting households at nutritional risk: a finite mixture model <i>Caillavet France, Bertail Patrice</i>
10:00		Characteristics of self-rated health indicators examined by nation-wide sample surveys in Japan <i>Kazue Yamaoka, Hideki Hashimoto</i>
10:20		A Study on Risk Factors Associated with Mental Illness in Eastern Delhi, India: A Logistic Regression Approach <i>Nimesh G Desai, Chandra Bhushan Tripathi, Deepak Kumar, Bela Shah</i>
10:40		Laboratory and Non-laboratory Based Risk Prediction Models for Secondary Prevention of Cardiovascular Disease: The LIPID Study <i>Jisheng Cui, Andrew Forbes, Andrienne Kirby, John Simes</i>

<b>CPM105</b>	<b>MR 22A</b>	<b>Economics</b> Chair: <i>Gunter Schaefer</i>
09:00		Duration dependence and frailties: parametric versus nonparametric estimators <i>Tatyana Krivobokova, Carola Gruen</i>
09:20		Analysing income distributions in the case of grouped data: The South African Census 2001 <i>Gretel Crafford, Nico Crowther</i>
09:40		Analysis of the Determinants of the Informal Sector Production Units Profitability in Burkina Faso: A Study Case from Ouagadougou <i>Kinda Angele Wendkouini</i>
10:00		Informal sector a manifestation of disorder: A resolution strategy <i>Guy Nguemba Tchuenté</i>
10:20		Interpreting the huge gap in the labour productivity between developed and developing countries statistically <i>Saleh Al Kafri</i>
10:40		The challenges of industry and occupation coding in household labour market surveys (HLMS) <i>Tebogo Errol Hlahla</i>

<b>CPM108</b>	<b>MR 12B</b>	<b>Demographic themes</b> Chair: <i>Yehenev Getachew</i>
09:00		Population Projections for Rapidly Changing Korea <i>Kyung Ae Park</i>
09:20		The socio-economic status of the South African elderly population: 2001-2007 <i>Margaret Africa, Ndivhuwo Gangazhe, Lesego Lefakane, Angela Ngyende</i>
09:40		Study on Statistics of Minority Nationality Population in China <i>Sun Xueguang</i>
10:00		Statistical Human Resource Development: The Case of Bukidnon State University, Philippines <i>Joy Mirasol</i>
10:20		How real are synthetic populations? <i>Juliet Nakamya, Elke Moons, Geert Wets</i>

<b>CPM110</b>	<b>MR 22B</b>	<b>Issues in Official Statistics</b> Chair: <i>Mustafa Khawaja</i>
09:00		Capacity Building in Official Statistics: The Challenges of Official Statisticians in South Africa <i>Ben Marchel Bosch</i>
09:20		Census microdata processing via Internet, using the REDATAM Web Server <i>Alejandra Silva, Lenin Aguinaga, Dirk Jaspers</i>
09:40		The Causes and Consequences of the "Perceived" Non-Availability of Economic Statistics for Local Economic Development in South Africa: A KwaZulu-Natal Case Study <i>Clive Coetzee</i>
10:00		Comparative Analysis of different sources of Revenue in local government budgets: a case study of Bugiri district in Uganda <i>Racheal Vanessa Nakawooya</i>
10:20		Statistics in Diversity management: Ethical Issues <i>Sevak Karamyan</i>
10:40		Regional Integration – A Convergence Criteria Scrutiny: The Case of WAEMU <i>William J Azébazé, Aurelas B Tohon</i>

<b>IPM29</b>	<b>Hall 5B</b>	<b>Statistical Methods for Non Linear Latent Variable Models</b> <b>IASC</b> Organiser: <i>Salvatore Ingrassia</i>
		Chair: <i>Gilbert Saporta</i>
	13:00	A joint use of PLS Regression and PLS Path Modelling for a data analysis approach to latent variable modelling <i>Vincenzo Esposito Vinzi</i>
	13:05	Methods for approximate inference for latent variable models <i>Donald Michael Titterton</i>
	13:40	Discussant: <i>Gilbert Saporta</i>
	14:15	Rejoinder: <i>Vinzi Titterton</i>
	14:40	Open discussion
	14:55	

<b>IPM43</b>	<b>Hall 6B</b>	<b>Research on Informal Inferential Reasoning</b> <b>IASE</b> Organiser: <i>Katie Makar</i>
		Chair: <i>John Harraway</i>
	13:00	Cognitive Development of Informal Inferential Reasoning <i>Chris Reading</i>
	13:05	Insights into Informal Inferential Reasoning in the Primary Classroom <i>Aisling Leavy</i>
	13:35	Informal Inferential Reasoning About Large Scientific Data Sets <i>James K L Hammerman</i>
	14:05	Discussant: <i>Jim Ridgeway</i>
	14:35	Open discussion
	14:55	



# Programme

## IPM58 Hall 2BH Issues In Price Index Methodology and Measurement IASS

- 13:00 Organiser and chair: *Sylvie Gauthier*  
13:05 Variance Estimation for Price and Volume Indices in the UK Office for National Statistics  
*John Wood*  
13:35 Alternative Measures of U.S. Consumer Prices  
*Robert Parker*  
14:05 A general rescaling bootstrap procedure with an application to Price Index surveys using Poisson or sequential Poisson sampling  
*Zdenek Patak*  
14:35 Discussant: *Bert Balk*  
15:05 Open discussion

## IPM67 Hall 2A Models of modern data and metadata systems GTC, IFC, IASS

- 13:00 Organiser and chair: *Steven Keuning*  
13:05 Innovative Technologies For Statistical Production: Statistics South Africa Experiences  
*Matile Malimabe, Ashwell Jenneker*  
13:20 A Model Data Producer: The Importance of Sound Metadata Management – Botswana's Case  
*Sabata Legwaila*  
13:35 Metadata at Statistics Canada: Implementation opportunities and challenges  
*Michel Cloutier, Alice Born*  
13:50 SDMX as the logical foundation of the data and metadata model at the ECB  
*G rard Salou, Xavier Sosnovsky*  
14:05 Integrative analysis of cancer genomics data  
*Shuangge Ma*  
14:20 Documenting the Research Life Cycle: One Data Model, Many Products  
*Mary Vardigan, Peter Granda, Sue Ellen Hansen, Sanda Ionescu*  
14:35 Discussant: *Lars Thygesen*  
14:45 Open discussion

## IPM73 Hall 2E Relative survival GTC, LS, BS

- 13:00 Organiser and chair: *Janez Stare*  
13:05 Relative Survival: understanding the concept and promoting its utilization  
*Jacques Esteve*  
13:35 Regression spline-based flexible relative survival model: estimation, inference and validation  
*Michal Abrahamowicz, Amel Mahboubi, Catherine Quantin*  
14:05 Goodness of Fit in Relative Survival Regression  
*Maja Pohar Perme, Janez Stare, Robin Henderson*  
14:35 Open discussion

## IPM101 Hall 1A Jan Tinbergen and Cochran-Hansen Awards for best papers by Young Statisticians ISI

- 13:00 Organiser and chair: *Denise Lievesley*  
13:05 Estimating the returns to education in Cameroon informal sector  
*Pierre Joubert, Nguetse Tegoum (Jan Tinbergen Award Winner)*  
13:35 Problem of estimation with balanced loss function in elliptical models  
*Mohammad Arashi (Jan Tinbergen Award Winner)*  
14:05 Some results on lower variance bound: a unified approach  
*Sudheesh Kattumannil (Jan Tinbergen Award Winner)*  
14:35 Small area estimation under transformation to linearity  
*Hukum Chandra (Cochran-Hansen Prize Winner)*  
15:05 Open discussion

## STCPM13 Hall 4C Integrity: a Fundamental Principle in Producing and Disseminating Statistics

- 13:00 Organiser and chair: *Marie Bohat *  
13:05 The importance of Code of Practices to enhance Staff's integrity  
*Maria Jo o Zilh o*  
13:25 Strengthening integrity in the UK's decentralised statistical system  
*Richard Laux, Marie Bohata*  
13:45 Independence in Official Statistics – the impact of the European Code of Practice with regard to credibility of the European Statistical System  
*Margit Epler*  
14:05 The impact of the ES Code of practice for a National statistical system  
*Marina Gandolfo*  
14:25 Integrity in Statistics - A Caribbean Perspective  
*Sonia Maureen Jackson*  
14:45 Discussant: *TBA*  
15:05 Open discussion

## STCPM26 Hall 2D Advances in the Collection of Disability Statistics

- 13:00 Organiser and chair: *Jennifer Madans*  
13:05 Development of an Internationally Comparable Disability Measure for Censuses: Challenges and Opportunities  
*Mitchell Loeb, Jennifer Madans*  
13:35 Joint Pilot Test for Disability for 2010 Census Round in Latin three American Countries  
*Alicia Bercovich, Oscar Barrios*  
14:05 Recent Advances in Disability Statistics Measurement in Uganda  
*Helen Nviiri*  
14:35 The Tanzanian survey on disability – methodology and overview of results  
*Irenius Joseph Ruyoby, Margie Schneider*  
15:05 Open discussion



# Programme

## STCPM31 Hall 5CD The National Strategy Development for Statistics (NSDS) Process in Africa

- Organiser: *Mary Strode*  
 Chair: *Phillipe Gafishi*  
 13:00 The Ethiopian National Strategy for the Development of Statistics  
*Yakob Mudesir*  
 13:25 Developing a blueprint for implementing a National Statistics System  
*Sieraag De Klerk*  
 13:45 Strategie Nationale de Developpement de la Statistique du Senegal  
*Mamadou Falou Mbengue*  
 14:05 A system wide approach for supporting the development of official statistics in Africa  
*Kim Bradford Smith, Heidi Grainger, Ailie Clarkson, Frances Heeks*  
 14:25 Models of Statistical Governance of Official Statistics  
*Philippe Gafishi, Mary Strode, Ian Macauslan*  
 14:45 Discussant: *Christophe Duhamel*  
 15:05 Open discussion

## STCPM51 Hall 3B Globalisation and its effect on economic statistics

- Organiser: *Robin Lynch*  
 Chair: *Peter Van de Ven*  
 13:00 European Union integration: cross border payments and their impact on balance of payment statistics  
*Helena Figueira, Mushtaq Hussain, Luca Pappalardo*  
 13:30 Globalization and multinationals – goods for processing  
*Mary Townsend, Art Ridgeway*  
 13:55 Measurement challenges of Globalisation  
*Steve Landefeld, Shaunda Villones*  
 14:20 Globalisation - Multinationals and their effect on National Accounts  
*Michael Connolly*  
 14:55 Discussant: *Enrico Giovannini*  
 15:10 Open discussion

## STCPM55 Hall 6A Water Resource Management Issues in Africa

- Organiser: *James Cochran*  
 Chair: *TBA*  
 13:00 Operations Research Practice for Africa (ORPA) - An International Operations Research/Management Science Initiative  
*James Cochran*  
 13:45 TBA  
*Fritz Scheuren*  
 14:25 Modelling demand for basic services in South Africa: the case of household dynamics and water connection  
*Remy Nnadozi*  
 15:05 Open discussion

## STCPM61 MR11C National Accounts

- Chair: *TBA*  
 13:00 Construction of Economy-wide Material Flow Accounts with Hidden Flows for Finland  
*Jukka Hoffren*  
 13:20 A Multivariate Method For Classifying Economic Institution (Institutional National Account Classification)  
*Hani AlAhmed*  
 13:35 Assessment and Analysis of China's Manufacturing International Competitiveness: A Comparative Study of 40 Economies  
*Siliang Ji, Feng ZHEN*  
 13:50 Analysis of the impact of the introduction of the NACE Rev.2 in the groupings of the economic activities used in National Accounts  
*Rosalba Filippello, Augusto Puggioni*  
 14:05 The Structure of the Eastern Cape Economy: a SAM based Analysis  
*Cabanga Moyo*  
 14:20 Research of the Index Series in the National Accounts  
*Can Yang*  
 14:35 Research of Sectors Classification Issues on National Accounts  
*Qiubi Sun*  
 14:55 Open discussion

## STCPM88 Hall 4B Modeling energy demands

- Chair: *Carol Blumberg*  
 13:00 Modeling and Forecasting Short-term Electricity Demand in South Africa  
*Riona Arjoon*  
 13:35 Forecasting Electricity Consumption in Ferrochrome Sector  
*Livhuwani Nedzingahe*  
 14:05 The relationship between Price of electricity and Consumption of electricity in South Africa between the years 1978-2008  
*Bridget Mmusi*  
 14:35 Estimation of Monthly Ethanol Consumption in the U.S.  
*Carol Joyce Blumberg, Michael R Conner, Susan Lord*  
 15:05 Open discussion

## STCPM93 Hall 1B The Role of Statistics Councils in the National Statistics System

- ISI  
 Organiser: *Howard Gabriels*  
 Chair: *Edwardo Nunes*  
 13:00 Report back on the satellite meeting on the Role of Statistics Councils in the National Statistics System  
*Howard Gabriels*  
 14:10 Discussant: *Jean-Louis Bodin*  
 14:50 Open discussion



# Programme

<b>CPM25</b>	<b>MR 12A</b>	<b>Health workforce issues</b> Chair: <i>Thomas Wollnik</i>
13:00		Inequality in Distribution of Continuing Professional Education Opportunities among Health Workers in Ghana <i>Hirotsugu Aiga Chushi Kuroiwa</i>
13:20		The Health Workforce Inadequacy in Georgia: the need to foster professional interaction <i>Irine Zarnadze, Rima Beriashvili, Shalva Zarnadze, Marine Mdivani</i>
13:40		Dynamic and efficient database structures for health workforce data in developing countries <i>Douladel Willie, Jan Van den Broeck, Allison Annette Foster, Felix Hector Rigoli</i>
14:20		Measuring regional health workforce inequalities <i>Christian Lorenz</i>
14:40		How many, who and where? – Using multiple sources of information to estimate the health workforce in India <i>Krishna Rao, Aarushi Bhatnagar</i>

<b>CPM40</b>	<b>MR 11A</b>	<b>Demography - child health</b> Chair: <i>Michel Mouyelo-Katoula</i>
13:00		An Analysis of Under-Five Nutritional Status in Lesotho: The role of parity order and other socio-demographic characteristics <i>Sasha Frade, Clifford Odimegwu, Chiweni Chimbwete</i>
13:20		Factors associated with the survival status of last-born children aged under-one <i>Ntebaleng Chobokoane, Maletela Tuoane-Nkhasi</i>
13:40		The Impact of Child Support Grant on childhood well-being <i>Nompumelelo Nzimande</i>
14:00		Orphans and vulnerable children (OVC) in Uganda; are orphans more malnourished? <i>Yovani Moses Lubaale</i>
14:20		Exploring a link between child labour and scholastic progression/retardation statistics <i>James Serwadda-Luwaga</i>
14:40		Living conditions of orphans in South Africa <i>Masebe Lesego, Phambaniso Nomathemba</i>

<b>CPM46</b>	<b>MR 11B</b>	<b>Development issues</b> Chair: <i>Richard Alldritt</i>
13:00		Tracking Progress Towards Statistical Capacity Building Efforts: The African Statistical Development Index <i>Dimitri Sanga, Bakary Dosso</i>
13:20		Developing a Framework and Indicators to Measure Sustainable Development: the Statistics New Zealand approach <i>Rosie Fyfe</i>
13:40		Towards Key Sustainable Development Indicators: the Swiss Approach <i>Anne Boesch, Jana Wachtl, André de Montmollin</i>
14:00		How to give value added to official statistics – specific experiences of a developing country <i>Blagica Novkowska</i>
14:20		Planning without Data and the Political Dimensions of Official Statistics in Developing Countries: A case study of Imo State in Nigeria <i>Jaja Oparaku</i>
14:40		New trends in sustainability indicators - evaluation of environmental, social and governance performance <i>Jiri Hrebicek, Iva Ritschelova</i>

<b>CPM93</b>	<b>MR 22B</b>	<b>Multivariate data</b> Chair: <i>Walter Radermacher</i>
13:00		Canonical Correlation Analysis of Rural Life Insurance Demand <i>Yang Liu</i>
13:20		A Multivariate Change Point Model for Change in Mean vector and/or Covariance Structure. Application to Detection of Isolated Systolic Hypertension <i>Akim Adekpedjou, Gideon KD Zamba, Douglas M Hawkins</i>
13:40		Principal components for multivariate functional data <i>Ana Justel, Jose Ramon Berrendero, Julio Rodriguez, Marcela Svarc</i>
14:00		Fuzzy Principal Component Analysis for Interval-Valued Data Considering Classification Structure of Objects in High Dimensional Space <i>Mika Sato-Ilic</i>
14:20		Multivariate discrete models for HIV, TB and STDs co-infection <i>Mulalo Annah Managa</i>
14:40		Statistical Approaches for Classifying and Defining Areas in South Africa as 'urban' or 'rural' <i>Sharthi Laldaparsad</i>



# Programme

<b>CPM96</b>	<b>MR 12C</b>	<b>Health and medicine</b> Chair: <i>Willem Saris</i>
13:00		In Search of Well-Maintained Essential Human Resources for Health Data in Indonesia <i>Mary Siti Maryam, Anna Kurniati</i>
13:20		The cause of Multi drug Resistant (MDR) TB in South Africa <i>Thembalihle Ndlovu</i>
13:40		Extensions to some Multidimensional Ranking Techniques <i>Ashish Das, Ankan Bera, Chand Midha</i>
14:00		Organization, quality and e-Health in EU Countries: a comparison <i>Vincenzo Lo Iacono, Francesca Giambona, Francesco Morreale</i>
14:20		An Extended Age Period Cohort Model for Analyzing Breast Cancer Deaths Including Two Types of Multiplicative Terms Based on Underlying Theories of Cancer Biology <i>Nobutane Hanayama</i>
14:40		The Integrated Health Interview Survey: A New Source of Integrated Health Information on U.S. AIDS Knowledge, Attitudes, and Testing <i>Miriam King, Andrew Ward, Emily Blasczyk</i>

<b>CPM112</b>	<b>MR 12B</b>	<b>Finance</b> Chair: <i>Filomena Maggino</i>
13:00		Variance estimation of the Quintile Share Ratio <i>Matti Langel, Yves Tillé</i>
13:20		Dynamic micro-estimation of individual behaviours facing changes in population parameters: case study of income distributions and applications <i>Carmen Anido, Teofilo Valdes</i>
13:40		A Dissimilarity Approach to Detecting Out-of-Language Documents <i>Kristin Yancey, David J Marchette</i>
14:00		Empirical Likelihood Ratio Test for Testing Mean of a Normal Distribution <i>Aruna Rao, Kavitha Bhat</i>
14:20		Modified Time Series Paired Comparisons Model applied to exchange rate data <i>Morné Sjölander, Igor Litvine</i>
14:40		Modelling the Convergence of Long-Term Bond Yields in the European Monetary Union <i>Giuliana Passamani</i>

<b>CPM113</b>	<b>MR 22A</b>	<b>Statistics for public good</b> Chair: <i>Filipa Lima</i>
13:00		Simulation of the impact of the increase in food commodity prices on households in Burkina Faso <i>Rakissiwindé Bationo</i>
13:20		Some Interesting Patterns in the Adverse Event Reporting Systems of the Food and Drug Administration <i>Uttam Sarkar</i>
13:40		Performance Monitoring Plan (PMP) and Strategic Objective (SO) as tools for Improving Quality Service Delivery in Organisations. <i>Ndung'u William</i>
14:00		The Modeling of the Turkish Catastrophe Insurance Pool data between 2000-2008 by using Extreme Value Theory <i>Berna Burcak Basbug Erkan</i>
14:20		Measuring Human Development through Directional Distance Formulation of Data Envelopment Analysis <i>Udaya Shetty</i>
14:40		Paradigm Shift in Human Resource Induction in Public Systems of an Indian State <i>Shiv Chandra Mathur</i>

<b>IPM3</b>	<b>Hall 6B</b>	<b>Inference under Qualitative Restrictions</b> <b>BS</b>
15:30		Organiser and chair: <i>Holger Dette</i>
15:35		Improving Point and Interval Estimates of Monotone Functions by Rearrangement <i>Victor Chernozhukov, Ivan Fernandez-Val, Alfred Galichon</i>
16:05		Monotonicity and Log-Concavity Constraints in Regression <i>Lutz Duembgen, Geurt Jongbloed</i>
16:35		Monotone Spectral Density Estimation <i>Dragi Anevski, Philippe Soulier</i>
17:05		Discussant: <i>Irene Gijbels</i>
17:35		Open discussion

<b>IPM25</b>	<b>Hall 1B</b>	<b>Measuring Prices Statistics:</b> <b>A National Conspiracy of Numbers?</b> <b>JAOS</b>
		Organiser: <i>Michael Ward</i>
15:30		Chair: <i>Robert Parker</i>
15:35		How relevant and useful are official measures of price change in Hong Kong? <i>Leslie Tang</i>
16:00		A Sceptical View of Hedonics <i>Derek William Blades</i>
16:25		Using the SNA to Improve Price Measures <i>David Fenwick</i>
16:50		Promoting Public Trust and Understanding of the HICP <i>Inna Steinbuka</i>
17:15		Discussant: <i>Robert Parker</i>
17:35		Open discussion



# Programme

<b>IPM30</b>	<b>Hall 6A</b>	<b>Statistical Online Monitoring</b> <b>IASC</b>
15:30	Organiser and chair: <i>Roland Fried</i>	
15:35	Statistical On-line Monitoring: An Introduction <i>Bjoern Schelter, Jens Timmer</i>	
16:05	Statistical practices for environmental monitoring <i>Peter Filzmoser</i>	
16:35	Sequential monitoring changes in regression and time series models <i>Marie Huskova</i>	
17:05	Discussant: <i>Roland Fried</i>	
17:25	Open discussion	
<b>IPM41</b>	<b>Hall 4B</b>	<b>Exploiting the Progress in Statistical Graphics and Statistical Computing for the Benefit of Statistical Literacy</b> <b>IASE</b>
15:30	Organiser and chair: <i>Juana Sanchez</i>	
15:35	Using R and GGobi to Enhance the Learning of Multivariate Analysis and Data Mining <i>Dianne Cook</i>	
16:15	Wikis, Dynamic Charts, Videos and other Innovative Tools to Transform Statistics into Knowledge <i>Enrico Giovannini</i>	
16:55	How to Avoid Some Common Graphical Mistakes <i>Naomi Robbins</i>	
17:35	Open discussion	
<b>IPM44</b>	<b>Hall 2BH</b>	<b>Teaching, Learning and Assessing Statistics Problem Solving in Higher Education</b> <b>IASE</b>
15:30	Organiser and chair: <i>Neville Davies</i>	
15:35	The application of problem-based learning to statistics education: a case study <i>Jennifer Vanessa Freeman, James Crossley, Fergus Hamilton, Molebedi Segwagwe</i>	
16:05	Similarities and contrasts in learning problem-solving in statistical data analysis and modelling <i>Helen Macgillivray</i>	
16:35	Issues of Assessment when Teaching through Problem Solving <i>Penelope Bidgood, Neville Hunt</i>	
17:05	Discussant: <i>John Marriot</i>	
17:35	Open discussion	
<b>IPM60</b>	<b>Hall 2E</b>	<b>What Role, if any, should weights play in the Analysis of Survey Data</b> <b>IASS</b>
15:30	Organiser and chair: <i>Phil Kott</i>	
15:35	The role of survey weighting in analysis of complex survey data: An overview <i>Milorad Kovacevic, J.N.K. Rao</i>	
16:05	Improving the Efficiency of Weighted Regression Estimators <i>Wayne Fuller</i>	
16:35	The analysis of structural equation models in the case of complex survey data <i>Stephen Du Toit</i>	
17:05	Discussant: <i>Chris Skinner</i>	
17:35	Open discussion	

<b>IPM64</b>	<b>Hall 5B</b>	<b>Statistics in the Pharmaceutical Industry</b> <b>ISBIS</b>
15:30	Organiser and chair: <i>Chihiro Hirotsu</i>	
15:35	Statistical methods in the pharmaceutical industry - where to go? <i>Peter Bauer</i>	
16:05	A perspective on the quantitative assessment of the safety of pharmaceuticals during their life-cycle in a global environment <i>Robert O'Neill</i>	
16:35	Statistical issues in global drug development with a close look at Japan and the Asian region <i>Hiroyuki Uesaka</i>	
17:05	Discussant: <i>Frank Bretz</i>	
17:35	Open discussion	
<b>IPM72</b>	<b>Hall 2C</b>	<b>Measuring access to monetary and financial services</b> <b>GTC, IFC</b>
15:30	Organiser and chair: <i>Vukani Mamba</i>	
15:35	Measuring the evolution of monetary and financial services in Portugal <i>João Cadete De Matos, Luís D'Aguiar</i>	
16:00	The measurement of consumer access to financial services in South Africa <i>Penelope Hawkins</i>	
16:25	Access to Financial Services in Argentina: A National Survey <i>Gastón Repetto</i>	
16:50	Discussant: <i>Cassim Coovadia</i>	
17:00	Discussant: <i>Cigdem Kogar</i>	
17:10	Open discussion	
<b>IPM77</b>	<b>Hall 4C</b>	<b>Statistical methodology for the analysis of sleep studies</b> <b>GTC, LS</b>
	Organiser: <i>Ciprian Crainiceanu</i>	
15:30	Chair: <i>Henry Mwambi</i>	
15:35	Signal extraction in the analysis of EEG activity during sleep <i>Ciprian Crainiceanu</i>	
16:00	On the analysis of multiple sleep hypnograms <i>Brian Caffo, Ciprian Crainiceanu, Bruce Swihart, Naresh Punjabi</i>	
16:25	Generalized Multilevel Functional Regression <i>Ana-Maria Staicu, Ciprian M. Crainiceanu, Chongzhi Di</i>	
16:50	Characterizing and Quantitating Normal and Abnormal Sleep <i>Naresh Punjabi</i>	
17:15	Open discussion	



# Programme

## IPM100 Hall 5CD Improving Data Archiving and Dissemination Systems for a Better Access and Utilization of Survey and Census Data

ISI, AASDA

Organiser: *Robert McCaa*

Chair: *Dmitri Sanga*

15:30 Data Archiving in Uganda  
15:35 *Solome Sevume*

15:55 La documentation, l'archivage et la dissémination des micro-données au Sénégal  
*Mamadou Niang*

16:15 African Microdata Access Survey 2009

*Lynn Woolfrey, Matthew Welch*

16:35 IPUMS-International: lessons from 10 years of archiving and disseminating census microdata  
*Robert McCaa, Wendy Thomas*

16:55 Discussant: *Margaret Mbogani*

17:10 Open discussion

## STCPM9 MR 11A Developments and Progress in Applied Statistical Modelling for the Economic Sciences: Using Non-parametric Regression Methods

Organiser and chair: *George Djolov*

15:30 Identifying monotonic and non-monotonic relationships  
15:35 *Shlomo Yitzhaki, Edna Schechtman*

16:05 Model-assisted Survey Regression Estimators: A Rank-based Approach  
*Andrés Gutiérrez*

16:35 On Restricted Linear Regression Model

*Rakesh Bajaj, D.S. Hooda, Gaurav Garg*

17:05 Tests of model fit for Gini regression analysis

*George Djolov, Riona Arjoon*

17:35 Open discussion

## STCPM25 Hall 3B Issues facing Women in Leadership roles in Official Statistics

15:30 Organiser and chair: *Martha Farrar*

15:35 Panelist: *Inger Eklund*

16:00 Panelist: *Susan Linacre*

16:25 Panelist: *Eva Laczka*

16:50 Panelist: *Awa Thiongane*

17:15 Moderator: *Denise Lievesley*

17:40 Open discussion

## STCPM44 Hall 2A Measuring health workforce inequalities: Methods and applications

Organiser and chair: *Neeru Gupta*

15:30 Inequalities in Technical Brazilian Health Workforce

*Alexandra Almeida, Beatriz Mendes*

16:05 Health Workers Labour Market in Mexico. Multivariate Analysis of Under- and Unemployment of Four Professional Groups  
*Nigenda Gustavo, Idrovo Javier, Hernández Juan Eugenio, Méndez Oscar*

16:35 Measuring health workforce inequalities in the Ethiopian context: methods and applications

*Yayehyirad Kitaw Yitateku, Damen Hailemariam*

17:05 Discussant: *Till Baernighausen*

17:35 Open discussion

## STCPM56 MR 12B Re-engineering of business and trade statistics

15:30 Organiser and chair: *Peter Bekx*

15:35 The Modernisation of European Enterprise and Trade Statistics (MEETS) programme

*Axel Behrens*

15:55 Walking a Tightrope: Balancing Budgets, Burden and Demand – Reshaping Irish Business Statistics  
*Steve Macfeely*

16:15 Challenges in using multiple data sources: from VAT data to industrial production and other business statistics at Statistics Finland

*Mika Sirviö*

16:35 Administrative data use in the Slovenian business statistics  
*Karmen Hren*

16:55 Challenges in globalisation and their impact on business registers

*Andreas Lindner*

17:15 A TQM approach for re-engineering business surveys

*Revilla Pedro*

17:35 Open discussion

## STCPM57 Hall 2D Teaching and Learning Resources using Census@School

15:30 Organiser and chair: *Neville Davies*

15:35 Census At School Resources from Canada

*Neville Davies, Mary Townsend*

16:00 Using CensusAtSchool as a resource for statistics teaching in New Zealand classrooms

*Sharleen Forbes, Maxine Pfannkuch, Chris Wild*

16:25 The Japanese CensusAtSchool Project: New Resources for School Level Statistics Education in Japan

*Kazuhiro Aoyama, Michiko Watanabe, Kazunori Yamaguchi*

16:50 Relevant and Engaging Statistics Resources from Census@School UK

*Neville Davies, Doreen Connor*

17:15 Discussant: *Neville Davies*

17:40 Open discussion

## STCPM94 Hall 1A Metastatistical Perspective

ISI

15:30 Organiser and chair: *Pali Lehohla*

15:35 Statistical Information in Metastatistical perspective

*Prof Helmut Spinner*

TBA

*Calvillo Gilberto*

17:40 Open discussion

## STCPM76 MR 11B Access to Statistics - Best Practices in Europe

15:30 Organiser and chair: *Gunter Schäfer*

15:35 Rich internet applications for the visualisation of statistics: the use of Flash and SDMX-ML on the European Central Bank websites

*Xavier Sosnovska*

16:00 Making sense of statistics

*Jessica Gardner*

16:25 Benefits from international cooperation in the CZSO dissemination

*Petra Kuncova*

16:50 Integrating statistical content in an electronic publishing system

*Norbert Reinert*

17:15 Discussant: *Margit Epler*

17:40 Open discussion



# Programme

<b>STCPM131</b>	<b>MR22A</b>	<b>Maths4Stats Workshop A 2</b>	15:30
<b>STCPM136</b>	<b>MR22B</b>	<b>Maths4Stats Workshop B 2</b>	15:30
<b>CPM15</b>	<b>MR 12A</b>	<b>Small area estimation</b> Chair: <i>Gary Sharp</i>	
	15:30	Small Area Estimation of Unemployment for Cross Cutting Geographies in Great Britain <i>Denise Silva, Philip Clarke, Bob Watson, Nicholas Misoulis</i>	
	15:50	Small Area Estimation of the Ukrainian Unemployment Rate <i>Maryna Ogay</i>	
	16:10	Estimation of poverty indicators at the small area level in Italy <i>Monica Pratesi, Caterina Giusti, Stefano Marchetti</i>	
	16:30	Intercensal Small Area Poverty Estimation: The Philippine Experience <i>Romulo Virolo, Jessamyn Encarnacion</i>	
	16:50	The Trends of Poverty and Migration, and Changes in the Demographics of Household Structure in the Magisterial Districts of the North West Province (South Africa) <i>Philip Serumaga-Zake, Martin Palamuleni, Raghunath Amab</i>	
<b>CPM26</b>	<b>MR 11C</b>	<b>Aspects of National Statistical Systems</b> Chair: <i>Shubhabrata Das</i>	
	15:30	Modifications récentes de la loi statistique en France Recent Modifications of the French Statistical Law <i>Michel Isnard</i>	
	15:50	Analysis of Statistical Managing Mechanism in China <i>Youda Xiong</i>	
	16:10	New Statistical System for Official Statistics in Japan <i>Makoto Shimizu</i>	
	16:30	Toning up the Statistical System in India <i>Kunniseri Eswaran Vaidyanathan</i>	
	16:50	Global Network towards developing the Official Statistics <i>Ola Shakhshir</i>	
	17:10	Studies on the Making of China's Development Index <i>Wei Yuan</i>	

<b>CPM87</b>	<b>MR 12C</b>	<b>Finance and Banking</b> Chair: <i>Alphonse Kwame A Amey</i>	
	15:30	The interaction between the banking sector and the macro economy in Croatia <i>Nataša Erjavec, Vlasta Bahovec, Boris Cota</i>	
	15:50	Measuring Stock-Market Efficiency: Evidence from the Uganda Securities Exchange (USE) <i>Francis Birakwate</i>	
	16:10	The transformation of the Italian banking system: The legislative autonomy and Sicily case study <i>Pietro Massimo Busetta</i>	
	16:30	OLS and Simultaneous Equation Methods For Simple Keynesian Model on the Ethiopian Macroeconomic Data (1953-1995 E.C.) <i>Ali Abdulhakim Kemal</i>	
	16:50	Public Expenditure Composition and Economic Growth The Portuguese Case <i>João Falcão</i>	
	17:10	Income and Expenditure Distribution in South Africa: The 2005/06 Income and Expenditure Survey <i>Alphonse Kwame A Amey</i>	





# Daily Planner

07:00

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# Programme

**IPM4 Hall 2A Semi- and Nonparametric Statistics**  
**BS**  
 Organiser: *Graciela Boente*  
 Chair: *Wenceslao Gonzalez Manteiga*  
 08:15 Estimation in semiparametric models with missing data  
*Ingrid Van Keilegom, Song Chen*  
 08:50 On Consistency and Robustness of Support Vector Machines  
*Andreas Christmann, Ingo Steinwart*  
 09:20 ROC curves in nonparametric location-scale regression models  
*Juan-Carlos Pardo-Fernandez, Wenceslao Gonzalez-Manteiga, Ingrid Van Keilegom*  
 09:50 Discussant: *Stefan Sperlich*  
 10:20 Open discussion

**IPM20 Hall 1B Bringing Stats Home: Role of Official Statistical Offices in supporting comparable statistics at regional, urban and local level**  
**IAOS**  
 08:15 Organiser and chair: *Dominic Leung*  
 08:20 The Structure of the U.S. Economic Statistical System: Implications for Public Policy  
*Andrew Reamer*  
 09:00 Interdependence of Federal, State and Municipal Statistics in the System of Official Statistics in Germany  
*Klaus Trutzel*  
 09:40 Urban Statistics in China - Its Current Status, Challenges and Future Development  
*Guixiang Wei, Youjuan Wang, Stephen Kwan, Chi Leung*  
 10:30 Open discussion

**IPM31 Hall 3B Statistical and computational challenges from new environmental sensing systems**  
**IASC**  
 Organisers: *Bronwyn Harch, Murray Cameron*  
 Chair: *Murray Cameron*  
 08:15 Towards Seamless Hyperspectral Mapping and Monitoring on a Continental Scale  
*Mark Berman, Tony Traylen, Peter Caccetta*  
 08:50 Applying new-generation imaging radar for retrieval of vegetation biophysical information  
*Stephen McNeill*  
 09:20 Inferring the palaeoclimate: large data sets and statistical challenges  
*John Haslett, Andrew Parnell*  
 09:50 Discussant: *Bronwyn Harch*  
 10:20 Open discussion

**IPM45 Hall 5B Technologies for learning and teaching in developing countries**  
**IASE**  
 Organiser: *Gabriella Belli*  
 Chair: *John Marriot*  
 08:15 Integration of the Technology Use into Statistical Classroom through Networks of Learning Activities  
*Blanca Ruiz, Pedro Ortega, José Luis Torres, Claudia Flores*  
 08:50 Large group teaching and technology – don't throw the baby out with the bathwater  
*Elizabeth M Basson*  
 09:20 Mobile learning for Statistics Education in KNOU  
*Tae Rim Lee*  
 09:50 Discussant: *Neville Davies*  
 10:20 Open discussion

**IPM50 Hall 5CD New Developments in Monitoring and Controlling Field Data Collection Activities**  
**IASS**  
 Organiser and chair: *Dina Neiger*  
 08:20 Responsive Survey Design Using Paradata-Guided Management  
*Robert M. Groves, Nicole Kirgis, Emilia Peytcheva, James Wagner*  
 08:45 Experiences in Assessing and Monitoring Survey Productivity and Costs in Household Surveys at Statistics Canada  
*François Laflamme*  
 09:10 Identification of Optimal call patterns for Intensive Follow-up in Business Surveys using Operations Research Methods  
*Louise Gates, Geoff Lee*  
 09:35 Discussant: *Jaak Billiet*  
 10:00 Discussant: *Peter Lynn*  
 10:25 Open discussion

**IPM68 Hall 2BH Risks in Finance - The state of the art in statistical methods**  
**GTC, IFC, ISBIS**  
 Organiser and chair: *Richard Walton*  
 08:15 Creating a statistical framework for the measurement of credit risk transfers - the ECB experience  
*Paolo Poloni, Violetta Damia, Jean-Marc Israël*  
 08:40 Macroprudential analysis of the financial system - the case of South Africa  
*Francis Selialia, Thabo Mbeleki, Charlemagne Pooe, Kgomoetso Matlapeng*  
 09:00 Prudential supervision of banks in the South African context – The Supervisory Review and Evaluation Process  
*Nico De Lange, Madoda Petros*  
 09:20 Advanced Measurement Approach for banks  
*Flippie Snyman, Jan Lubbe*  
 09:40 Discussant: *Susanna Lima*  
 09:50 Discussant: *Satoru Hagino*  
 10:00 Open discussion



# Programme

<b>STCPM 6</b>	<b>MR11A</b>	<b>Data mining methods</b> Chair: <i>Ntonghanwah Forcheh</i> 08:15 Dynamic Pattern Recognition using Data Mining Techniques <i>Divya Jain, Vipin Tyagi, DS Hooda</i> 08:40 Action Selection in Customer Value Optimization: An Approach Based on Covariate-Dependent Markov Decision Processes <i>Angi Roesch, Harald Schmidbauer</i> 09:00 Optimization of Orange Cote D'Ivoire's Customers Satisfaction Barometer: Case of Prepaid Customers <i>Marie Viviane Ado Gossan</i> 09:20 Predicting Using Ensemble Classifiers for Sensor Data <i>Bhekisipho Twala, Gernot Liebchen</i> 09:40 Data Mining Application for Cross-Sell Offer Optimization <i>Seohoon Jin</i> 10:00 Trends in Data Mining Technology <i>Netra Pal Singh</i> 10:20 Open discussion
<b>STCPM52</b>	<b>Hall 1A</b>	<b>Lessons learnt for statistics from the current financial crisis</b> 08:15 Organiser and chair: <i>HW Fung</i> 08:20 The European Statistical System's Reaction to the Statistical Consequences of the Financial Crisis <i>Walter Radermacher</i> 08:45 Further Statistical Work in the Light of the Financial Crisis both within the IMF and with other International Agencies <i>Adelheid Burgi-Schmelz</i> 09:10 Statistical needs emanating from the financial crisis and the ECB's initiatives for more comprehensive financial statistics <i>Steven Keuning</i> 09:35 What have we learnt from the Global Financial Crisis <i>Dennis Trewin</i> 10:00 Discussant: <i>Steven Landefeld</i> 10:25 Open discussion
<b>STCPM54</b>	<b>Hall 4B</b>	<b>Fitting Families of Generalized Statistical Distributions</b> Organiser: <i>Paul J. van Staden</i> Chair: <i>Andriette Bekker</i> 08:15 Method of L-moment estimation for a statistical universe based upon the quantile function <i>M.T. (Theodor) Loots</i> 08:40 A New sub-family of the Mirror-Exponential Distribution <i>Guillemina Jasso</i> 09:10 Assessing the upper limit of a distribution <i>Andrzej Kijko</i> 09:30 Symmetric Short-tailed Distributions and Applications <i>Ayşen Dener Akkaya</i> 10:10 Approximate Bayesian Computation for quantile distributions <i>Robert King</i> 10:30 Open discussion

<b>STCPM79</b>	<b>Hall 2E</b>	<b>Capacity Building for Monitoring and Evaluation</b> Organiser: <i>Jacky Galpin</i> Chair: <i>Mark Orkin</i> 08:15 Statistics, Knowledge, Policy: Understanding societal change <i>Barbara Iasiello, Jon Hall</i> 08:20 The importance of capacity building in statistics for monitoring and evaluation in the South African public sector <i>Ros Hirschowitz, Mark Orkin</i> 08:50 Massification of training in the public sector, and its relevance to monitoring and evaluation <i>Victor Naidu, Mark Orkin</i> 09:20 Discussant: <i>Mark Orkin</i> 10:05 Discussant: <i>Jon Hall</i> 10:20 Open discussion
<b>CPM28</b>	<b>Hall 6B</b>	<b>Statistical methods in assessing development issues</b> Chair: <i>Siliang Ji</i> 08:15 The Contribution of Statistics to National Development: The Role of the Community <i>Habaasa Gilbert</i> 08:35 Role of statistics in planning and development in developing countries <i>Peninah Mutuneh</i> 08:55 A Research on Balancing Rural and Urban Development Based on Dual Sector Model <i>Jian Jin, Liubao GU</i> 09:15 The Interrelation Between Population and Development in Uganda <i>Gerrald Kiumu</i> 09:35 Estimation of Development of Territories in Latvia <i>Ilmars Vanags, Olgerts Krastins</i> 09:55 Towards Measuring Progress of Societies: The Philippine Happiness Index <i>Romulo Virola, Jessamyn Encarnacion</i>
<b>CPM29</b>	<b>MR 11C</b>	<b>New techniques in population and housing censuses</b> Chair: <i>Romulo Virola</i> 08:15 The emergence of GIS & GPS integrating with census data & its impact for the developing world <i>Andy Tye</i> 08:35 Web-based management of multi-channel, register-based census data collection <i>Giuseppe Sindoni, Daniela Casale, Maura Giacummo</i> 08:55 Insights from the Moroccan 2004 census: optical data capture cost/benefit analysis and other issues <i>Mohamed Taamouti, Abdellilah Zerrou, Oussama Marsli</i> 09:15 GPS and Digital Data Collection Technologies – Revolutionising the way surveys are being done at Statistics South Africa <i>Mahier Hattas, Vishanth Singh</i> 09:35 Use of GIS in demographic data analysis to basic population data of the village in Sudan (Sudan - census) <i>Tarig Hassan Hashim Osman</i> 09:55 Geospatial Capture & Dissemination for Developing Countries <i>Andy Tye</i>



# Programme

<b>CPM35</b>	<b>MR 11B</b>	<b>Time series analysis</b> Chair: <i>Philip Serumaga-Zake</i>
08:15		Data revision and its impact on seasonal adjustment of survey data <i>Praggya Das</i>
08:35		Temporal disaggregation of the GDP with an indicator-revisited <i>Lalitha Yadavalli</i>
08:55		Decomposing annual time series data A case for Pacific Island Nations <i>Willie Lahari</i>
09:15		On Spectral Analysis of Time Series in the presence of Missing Data <i>Ladjouze Salim</i>
<hr/>		
<b>CPM95</b>	<b>MR 22A</b>	<b>Modelling</b> Chair: <i>Michel Isnard</i>
08:15		Development and Implications of e-diary <i>Goo Hyun Jung</i>
08:35		On Epidemiological Models Using Zero Inflated Distributions: A Case Study of Cross Sectional Data from a Dental Setup <i>Sumathi K, Aruna Rao</i>
08:55		The Coverage Probability of Confidence Regions After Model Selection <i>Paul Kabaila</i>
09:15		Election night forecasting in South Africa: Will a model based on 2004 results work for 2009? <i>Jenny Holloway, Jan Greben</i>
<hr/>		
<b>CPM106</b>	<b>MR 12B</b>	<b>Official statistics</b> Chair: <i>Makoto Shimizu</i>
08:15		The unity of social statistics and mathematical statistics <i>Wang Jianding</i>
08:35		Metadata Management in Statistics South Africa: A New Approach <i>Sonnyboy Manthata</i>
08:55		Statistics: Our Past, Present and Future <i>Edith Uzoma Umeh</i>
09:15		Statistical methods to describe innovative professional profiles through required competencies <i>Maria Cristiana Martini</i>
09:35		Statistics: Our past, present and future <i>Balashri Jalgar, Shankar Jalgar</i>

<b>CPM109</b>	<b>MR 12C</b>	<b>Survey quality</b> Chair: <i>Romulo Virola</i>
08:15		Methodological Approaches to Estimate Quality of Services at the Municipal Level <i>Maryna Ogay</i>
08:35		Non response weighting adjustment using response probability estimated via kernel regression methods <i>Emilia Rocco, Andrea Giommi</i>
08:55		A model for quality assurance in digital data collection for household surveys <i>Mahier Hattas, Marius Cronjé</i>
09:15		The dynamics of fieldwork: experiences during survey publicity <i>Lutendo Malisha, Mnguni Isaac, Montane Magdelaine</i>
09:35		Non-coverage in telephone surveys and mental health estimates in 19 European countries <i>Volker Huefken</i>
09:55		Survey Research Ethics in International Projects: Challenges, Use, and Abuse <i>Safaa Amer</i>
<hr/>		
<b>CPM119</b>	<b>MR 22B</b>	<b>Miscellaneous Applications</b> Chair: <i>Beatrice Odongkara Mpora</i>
08:15		Performance of the empirical Bayes estimator for the difference of fixed parameters <i>S.R.S. Rao Poduri</i>
08:35		Synchronized Rebasings of Price Indices in the Philippines <i>Eleanore Ramos</i>
08:55		Factor Analysis of the Metabolic Syndrome identifies two Factors with Different Survival Patterns in the Elderly <i>John Ohrvik</i>
09:15		A Statistical Study of Air Pollutants in Iran <i>Maryam Haghiri Limoudehi</i>
09:35		Price Monitoring Survey by Bank Indonesia <i>Triono Widodo</i>
09:55		Use of classification for determining grammatical case in linguistics <i>Jaromir Antoch</i>
<hr/>		
<b>IPM5</b>	<b>Hall 3B</b>	<b>Model Building and Regularization</b> <b>BS</b>
10:45		Organiser and chair: <i>Axel Munk</i>
10:50		Non-Euclidean statistical analysis of covariance matrices and diffusion tensors <i>Ian Dreyden</i>
11:20		Adaptive modelling of irregular, High Dimensional Functional and image data <i>Jeffrey Morris</i>
12:00		Discussant: <i>Stephan Huckermann</i>
12:30		Discussant: <i>Victor Panerotos</i>
12:50		Open discussion



# Programme

## IPM17 Hall 2BH Implementing the 1993 System of National Accounts IAOS, IFC

Organisers: *Carl Obst, Michael Davies*

Chair: *Michael Davies*

- 10:45  
10:50 Managing the implementation of SNA, BPM and related international standards in an NSO context  
*Bernard Williams, Derick Cullen*
- 11:10 Progres on the implementation programmes for the system National Account 2008 (2008 SNA) and the balance of payments and international investment position manual, sixth edition (BPM6)  
*Ivo Havinga, Ralph Kozlow, Paul Schreyer*
- 11:35 Implementation of SNA2008/BPM6 in the area of financial accounts  
*Reimund Mink*
- 12:00 Discussant: *Henk Lub*
- 12:25 Discussant: *Johann van den Heever*
- 12:45 Open discussion

## IPM32 Hall 4B Sensometrics and chemometrics in food industry IASC

Organiser and chair: *El Mostafa Qannari*

- 10:45  
10:50 Burning issues in sensometrics  
*Per Bruun Brockhoff*
- 11:10 Burning issues in chemometrics  
*Douglas Rutledge, Delphine Jouan-Rimbaud Bouveresse, Rui Climaco Pinto*
- 11:35 Model-based pre-processing in biospectroscopy  
*Achim Kohler, Harald Martens*
- 12:00 Bio-chemometrics: Multivariate data modelling in systems biology  
*Harald Martens, Achim Kohler*
- 12:25 Discussant: *Philippe Courcoux*
- 12:45 Open discussion

## IPM46 Hall 2D Virtual Learning Environments for Statistics Education IASSE

Organiser and chair: *Pietermel Verhoeven*

- 10:45  
10:50 Relating student learning preferences in a blended learning environment for learning statistics to student characteristics  
*Dirk Tempelaar, Bart Rienties*
- 11:15 An Introduction to Probability with R  
*Jane Horgan*
- 11:40 Biostatistics at a Distance  
*Annette Dobson, Gillian Heller, Erica Jobling, Keith Dear*
- 12:05 Specialized web-based tools for teaching statistical concepts and experimentation skills  
*Paul Darius*
- 12:30 Discussant: *Saphar Hassani*
- 12:45 Open discussion

## IPM52 Hall 2E Outliers in Complex Sample Surveys IASS

Organisers: *Julie Gerschunskaya, Partha Lahiri*

Chair: *JNK Rao*

- 10:45  
10:50 A unified approach to robust estimation in finite population sampling  
*Jean-François Beaumont, David Haziza, Anne Ruiz-Gazen*
- 11:15 Robust Multivariate Imputation with Survey Data  
*Beat Hultiger, Tobias Schoch*
- 11:40 Outlier Robust Small Area Estimation  
*Ray Chambers, Hukum Chandra, Nicola Salvati, Nikos Tzavidis*
- 12:05 Discussant: *Michael Elliott*
- 12:30 Open discussion

## IPM66 Hall 1B Energy Statistics ISBIS, IAOS

Organiser and chair: *Carol Joyce Blumberg*

- 10:45  
10:50 Improving electricity market price scenarios by means of forecasting factor models  
*M. Pilar Munoz, Cristina Corchero, F. Javier Heredia*
- 11:20 Energy statistics. Some observations and challenges  
*Olav Ljones*
- 11:50 Major problems encountered when compiling global energy data  
*Alan Clarke*
- 12:20 Discussant: *Vijay Nair*
- 12:40 Open discussion

## IPM79 Hall 2A Prognostic modelling for proteomic data GTC, LS

Organiser and chair: *Bart Mertens*

- 10:45  
10:50 Mass spectra analysis through penalized logistic regression and functional mixed effect modelling  
*Foteini Strimenopoulou, Philip J. Brown*
- 11:20 Confidence Machine for Proteomic Pattern Diagnostics  
*Alexander Gammerman*
- 12:00 Random Forest classification of samples based on proteomic profiles from mass spectrometry  
*Jennifer Barrett, David Cairns*
- 12:30 Comparing classification methods in diagnosing breast cancer from mass spectrometry data  
*David Hand*
- 12:50 Open discussion

## STCPM7 MR22B Data mining applications

Chair: *Ntonghanwah Forcheh*

- 10:45  
10:50 Dust to Diamonds  
*Peter Langschmidt*
- 11:15 From market segmentation to customer loyalty: an exploratory study  
*Mario Montinaro, Arianna Dal Forno, Anna Lo Presti, Ivan Sciascia*
- 11:40 Consumer-based market segmentation based on Association Rule and RFM  
*JongHoo Choi, Chun Kyung Cha*
- 12:05 Interesting Association Rules of Household Poverty Indicators  
*Nkumbuludzi Ndwapi*
- 12:30 Mining Association Rules beyond Market Research  
*Ntonghanwah Forcheh*
- 12:55 Open discussion



# Programme

## STCPM22 Hall 5B Using advanced data collection methods and modern tools to improve agricultural statistics data quality

- Organiser: *Naman Keita*  
 Chair: *Frederic Vogel*
- 10:45 Use of remote sensing and IT for building and updating area frame for agricultural surveys  
*Redouane Arrach, Mostafa Tahri*
- 11:10 Use of modern geo-positioning devices in agricultural censuses and surveys  
*Naman Keita, Elisabetta Carfagna*
- 11:35 Small Area Estimation in crop land area in Ethiopia  
*Aberash Tariku Abaye*
- 12:00 Use of Community Surveys in Agricultural Statistics  
*Hiek Som*
- 12:25 Discussant: *Frederic Vogel*  
 12:45 Open discussion

## STCPM62 Hall 1A Data issues related to the financial crisis

- Chair: *Paul Van den Bergh*
- 10:45 On-shore spread and Swap spread:  
 Chilean Money Market Liquidity Indicators  
*Felipe Alarcón, Nicolás Malandre*
- 11:10 Fixed Income and Money Market Portfolio Allocation of Institutional Investors during the Recent Market Disruption  
*Luis Opazo, Liliana Cavieres*
- 11:35 Use of high-frequency data for monitoring developments in the banking sector - the case of the Czech Republic  
*Petr Vojtisek*
- 12:00 Credit Risk Transfer: Filling the Information Gap  
*Filipa Lima, Luis D'Aguiar*
- 12:25 Discussant: *TBA*  
 12:45 Open discussion

## STCPM70 Hall 6A Variance Stabilisation and Meta Analysis

- Organiser: *Stephan Morgenthaler*  
 Chair: *Vijay Nair*
- 13:00 Variance Stabilization of Tests  
*Stephan Morgenthaler*
- 13:35 Variance stabilisation in meta-analysis: combining the evidence  
*Elena Kulinskaya*
- 14:05 Confidence Intervals for the Risk Difference  
*Robert G. Staudte*
- 14:35 Bootstrap P-values in discrete models:  
 Asymptotic and non-asymptotic effects  
*Chris Lloyd*
- 15:05 Open discussion

## STCPM74 MR 12B Applied Statistics

- Chair: *Linda Haines*
- 10:45 Bayesian Additive Regression Trees Sequential  
 10:50 Regression Multiple Imputation  
*Sean van der Merwe*
- 11:10 Biostatistics and Clinical Research: A Symbiosis  
 Introduction by the Organizer  
*Norbert Victor*
- 11:30 Modeling Over-Dispersion in Wadley's Problem with the Beta Poisson Model  
*Kerry Leask*
- 11:50 Occupational exposures and Hodgkin's lymphoma:  
 Canadian case-control study  
 Gayatri V Singh, Chandima P Karunanayake,  
*Helen H McDuffie, Punam Pahwa*
- 12:10 Pre-smoothed Kaplan-Meier integrals and the missing censoring indicator model  
*Jorge Mendonça*
- 12:30 The contribution statistics can make to "Strengthening Forensic Science"  
*Antony Kyle Cooper, Sonali Das*
- 12:50 Open discussion

## STCPM85 Hall 2C Statistical techniques in survival models

- Chair: *June Juritz*
- 10:45 Analysis of Complex Correlated  
 10:50 Interval-Censored HIV Data  
*Khangelani Zuma*
- 11:15 The Dantzig selector in the regression model for right-censored data  
*Anestis Antoniadis, Piotr Fryzlewicz, Frederique Letue*
- 11:40 A nonparametric two-sample test of longitudinal data with unequal termination event times  
*Jinheum Kim, Yang-Jin Kim, Chung Mo Nam*
- 12:05 A goodness-of-fit test for exponential distribution based on progressively censored data  
*Deepak Sanjel*
- 12:30 Cure Models in Parametric Survival Analysis  
*Rebecca Shanmugan*
- 12:55 Sample Selection Models in terms of Non-Gaussian Distributions  
*Shahab Jolani, Adel Mohammadpour*



# Programme

<b>CPM4</b>	<b>Hall 5CD</b>	<b>Discriminant analysis</b> Chair: <i>Jonathan Odwee</i>
10:45		Selection of variables for discriminant analysis in a high-dimensional case <i>Tetsuro Sakurai</i>
11:05		Test for Additional Information in Non-normal Discriminant Analysis by Two Approaches <i>Yasunori Fujikoshi</i>
11:25		Generalizing the margin concept to arbitrary classifiers <i>Rodney Stephen Kroon, Sarel J Steel</i>
11:45		On supervised learning of multivariate skew normal mixture models with missing information <i>Tsung-I Lin, Tzy-Chy Lin</i>
12:05		A BCa method for the problem of regions <i>Ueki Masao</i>
12:25		Relative efficiency of non parametric error rate estimators in multi-group linear discriminant analysis <i>Romain Lucas Glele Kakai, Dieter Pelz, Rudy Palm</i>
<b>CPM5</b>	<b>Hall 4C</b>	<b>Bootstrap methods</b> Chair: <i>Stephan Morgenthaler</i>
10:45		A Bootstrap Approach to Intruder Detection Using a k-means like Algorithm <i>Luciano Nueddu, Giuseppe Manfredi</i>
11:05		Bootstrapping for significance in multi-dimensional compact clustering models <i>Ranjan Maitra, Soumendra Lahiri, Volodymyr Melnykov</i>
11:25		On choosing a mixture model for clustering <i>Joseph Ngatchou-Wandji</i>
12:05		Variable selection in a Model-Based Clustering for multilocus genotype data <i>Wilson Honore Toussile Fomazou, Elisabeth Gassiat, Isabelle Morlais</i>
12:25		Multidimensional Analysis of Poverty in Benin: A Fuzzy Subset Approach <i>Hilaire Hounkpodote</i>
<b>CPM11</b>	<b>Hall 6B</b>	<b>Statistical Process And Quality Control</b> Chair: <i>Chris Lloyd</i>
10:45		Controlling Process Means and Variances Using VSSI Cause Selecting Control Charts <i>Su-Fen Yang, Chung-Ming Yang, Wan-Yun Chen</i>
11:05		Cumulative-Sum and Exponentially Weighted Moving Average Control Charts using Single Median Ranked Set Samples <i>Hassen Muttlak</i>
11:25		Early Detection Statistics with Online Multivariate Data: The 4' Rule, Fisher Information and Average Detection Delay <i>Keh-Shin Lii, Ashis SenGupta</i>
11:45		Follow up of respiratory diseases using Control charts with variables control limits <i>Florabela Correia, Pedro Oliveira</i>
12:05		Inverse Cusum Chart and Its Application <i>Jaw-Sin Su</i>
12:25		Identification of Product and Process Variables that May Be Critical for Process Monitoring and Product Quality <i>Leon Jaupin</i>

<b>CPM12</b>	<b>MR 11B</b>	<b>Statistical Education</b> Chair: <i>C. Harvey Monk, Jr.</i>
10:45		Analysis of the Malaysian Certificate of Education Statistics and Probability Examination Questions <i>Rasimah Aripin, Aidawati Zainan Abidin, Masniyati Salikin</i>
11:05		Constructing Similar, but Different, Examinations <i>John McKenzie</i>
11:25		Using Assessments to Help Students Learn <i>Hannah Gerber</i>
11:45		The work in groups as a motivator in Statistics classes <i>Teresita Terán</i>
12:05		Statistics' 'next top-models': testing changes in attitudes toward statistics <i>Pieternel Verhoeven</i>
12:25		Global certification exams integrated into graduate statistics courses <i>Monica Jackson, Jun Lu, Mary Gray, Helena Solana</i>
<b>CPM13</b>	<b>MR 11C</b>	<b>Aspects of distribution theory</b> Chair: <i>Michael Colledge</i>
10:45		Discrete Laplace distribution and Process <i>Kuttykrishnan A.P.</i>
11:05		On a Quasi-Optimal Regularization Parameter for TLS Estimation Within an EIV-Model <i>Burkhard Schaffrin, Kyle Snow</i>
11:25		Smooth Minimum Distance Estimation and Testing in Conditional Moment Restrictions Models: Uniform in Bandwidth Theory <i>Valentin Patilea, Pascal Lavergne</i>
11:45		The approximation to a percentage point of the distribution of the non-central t-statistic under non-normality <i>Ohyouchi Nao, Akahira Masafumi</i>
12:05		Implementation strategy of the CNAE 2.0 <i>Sidnéia Reis Cardoso, Pedro Luiz de Souza QuintsIr, Elon Martins Sá</i>
<b>CPM84</b>	<b>MR 12C</b>	<b>Statistics in Economics Analysis</b> Chair: <i>Miodrag Cerovina</i>
10:45		A Comparison of Productivity Level by Industry between Japan and South Korea <i>Hiroshi Izumi</i>
11:05		Determinants of Fiscal Deficits in Uganda (1990-2006) <i>Tweheyo Gregory K</i>
11:25		Potential GDP Estimating Methods based on DEA, Its Comparison and Application in China <i>Xiaoning Ni</i>
11:45		The Effects of Household Financial and Real Wealth on Consumption: New Evidence from OECD Countries <i>Andrea Silvestrini</i>
12:05		A Stochastic Function of the South African Exports <i>Phumelela Dlamini, Sakhele Gqabaza, Robert</i>
12:25		Role of Statistics in Economic Analysis <i>Muhindo Morris</i>



# Scientific Papers

- CPM117 MR 22A Official statistics in Africa**  
 Chair: *Paulo Canas Rodrigues*
- 10:45 Analysis of the Instability of International Raw Material Prices on Economic Growth: A Case of Cote D'Ivoire  
*Augustin Kabore, Sandrine Nguiakam*
- 11:05 Impact of Fiscal Policy in Economic Activity in Core D'Ivoire  
*Karine Kouassi Lou*
- 11:25 Measurement of Clothing in the CPI  
*Patrick Kelly, Lee Everts*
- 11:45 Tax Pressure Determinants in Cote D'Ivoire  
*Célia Francesca Ake*
- 12:05 Public expenditure's sector-based breakdown and economic growth in Ivory Coast  
*Lenou Samuel Tchioutchoua*
- 







# Daily Planner

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# Programme

**IPM6 Hall 6B Stochastic Geometry with Applications**  
**BS**  
 09:00 Organiser and chair: *Viktor Benes*  
 09:05 Random Sets and Quantitative Finance  
*Ilya Molchanov, Michael Schmutz*  
 09:30 Invariant transports of stationary random measures  
*Guenther Last*  
 09:55 Estimation Variances in Local Stereology  
*Zbynek Pawlas, Eva B. Vedel Jensen*  
 10:20 Intrinsic Two-Way MANOVA for Shape Spaces  
*Stephan Huckemann, Thomas Hotz, Axel Munk*  
 10:55 Discussant: *Lothar Heinrich*  
 11:10 Open discussion

**IPM15 Hall 2BH The challenge of building a supply of statisticians for the future**  
**IAOS, IASE**  
 09:00 Organiser and chair: *Nancy McBeth*  
 09:05 The challenge of building a supply of statisticians for the future  
*Olav Ljones*  
 09:25 The challenge of building a supply of statisticians for the future  
*Allan Rossman*  
 09:45 Panelist: *Enrico Giovannini*  
 10:05 Panelist: *John Kovar, Munir Sheikh*  
 10:25 Panelist: *Sastry Pantula*  
 10:45 Panelist: *Tertius de Wet*  
 11:05 Open discussion

**IPM53 Hall 4C Nonresponse Bias in Surveys**  
**IASS**  
 09:00 Organiser and chair: *Jelke Bethlehem*  
 09:05 Nonresponse bias in a cross-national study  
*Ineke Stoop, Jaak Billiet, Vasja Vehovar*  
 09:35 Representativeness indicators for measuring and enhancing the composition of survey response  
*Barry Schouten, Natalie Shlomo, Chris Skinner*  
 10:05 The Use of an Array of Methods to Evaluate Nonresponse Bias in an Ongoing Survey Program  
*Jill Montaquila, J. Michael Brick*  
 10:35 Discussant: *Robert Groves*  
 11:05 Open discussion

**IPM84 Hall 2C Spatial modelling of large and disparate environmental datasets**  
**GTC, TIES**  
 Organiser: *Montserrat Fuentes*  
 Chair: *Gavin Shaddick*  
 09:00 Spatial Modelling for Large Multivariate Environmental Datasets: Advancing Methods and Applications  
*Sudipto Banerjee, Andrew Finley*  
 09:35 Fusing point and areal level space-time data with application to wet deposition  
*Sujit Sahu, Alan Gelfand, David Holland*  
 10:05 Spatial Data Assimilation for Regional Environmental Exposure Studies: *Catherine Calder*  
 10:35 Open discussion

**IPM92 Hall 5B Biostatistics in Health the case of HIV/AIDS**  
**GTC, Local Hosts**  
 09:00 Organiser and chair: *Carl Lombard*  
 09:05 Estimation of Constant and Time-Varying Dynamic Parameters of HIV Infection in a Nonlinear Differential Equation Model  
*Hulin Wu, Hongyu Miao, Hua Liang*  
 09:35 A Bayesian approach to assessing uncertainty in a model of the HIV/AIDS epidemic in South Africa  
*Leigh Johnson, Rob Dorrington, Debbie Bradshaw*  
 10:05 Back-calculation of HIV incidence when HAART is available and using prevalence data  
*Siem Heisterkamp, M Postma*  
 10:35 Open discussion

**IPM93 Hall 2D Statistics in Africa**  
**Local Hosts**  
 Organiser: *Miranda Mafafo, Lena Soares*  
 Chair: *Pali Lehohla*  
 09:00 Statistical Development in Africa: Governance Models  
*Ben Kiregyera*  
 09:35 Statistical Development: the case for Mozambique  
*Joao Loureiro*  
 10:05 Perspectives on Economic Statistics  
*Rashad Cassim*  
 10:35 A study of external advice provided to the South African statistical office: necessary conditions for success  
*Jacob Rytten*  
 11:05 Open discussion

**IPM95 Hall 2A Adversarial Risk Analysis**  
**GTC, Risk Analyses Committee**  
 Organiser: *David Banks*  
 Chair: *Lutz Edler*  
 09:00 Adversarial Risk Analysis, Influence Diagrams, and Auctions  
*Jesus Rios, David Rios Insua, David Banks*  
 09:30 Adversarial Risk Analysis in Counterterrorism  
*David Banks, Bernard Harris*  
 09:55 A Framework for Adversarial Risk Analysis  
*Nozer Singpurwalla, Anna Gordon*  
 10:55 Discussant: *Lutz Edler*  
 11:10 Open discussion

**STCPM3 Hall 5CD The 2010 round of Population and Housing Census: innovations and challenges in developing countries**  
 Organiser and chair: *Jean-Michel Durr*  
 09:00 Preparing the Geography for the 2011 Population Census of South Africa  
*Sharthi Laldaparsad*  
 09:25 Improving Administrative Registers for Population Statistics in Turkey  
*Enver Tasti*  
 09:45 The 2010 Indonesia Population Census  
*Wendy Hartanto*  
 10:05 National Population Register (NPR) in India - A Step Towards Register Based Census  
*C. Chandramouli*  
 10:25 Costing Guide for Population and Housing Censuses  
*Sam Suharto, Iqbal Alam*  
 10:45 Discussant: *Jeremiah Banda*  
 11:05 Open discussion



# Programme

## STCPM21 Hall 4B Problems of cross-national/multilateral comparability

- 13:00 Organiser and chair: *Eva Laczka*  
 13:05 Cross-national Comparability: Relevance and Reality for an NSO  
*Peter Hackl*  
 13:25 Rationality of using composite indicators for international comparisons  
*Ilie Dumitrescu, Vergil Voineagu, Daniela Stefanescu*  
 13:45 The Structural Analysis of the Foreign Trade Activity  
*Constantin Anghelache, Constantin Mitrut, Alexandru Isaic-Maniu, Vergil Voineagu*  
 14:05 The extension of knowledge of statistics through the Slovak Statistical and Demographical Society  
*Peter Mach*  
 14:25 Remark on homogenization of the data  
*Jaromir Antoch*  
 14:45 Discussant: *Jean-Louis Bodin*  
 15:05 Open discussion

## STCPM40 MR 11A Surveys Theory and Methodology

- Chair: *Yoko Chhana*  
 09:00 To impute, or not impute: that is the question:  
*Isabelle Schmidt, Brenda Mosima*  
 09:25 Imputation for non response  
*Smeeta Singh*  
 09:50 Estimation of Population Mean in Surveys with Imputed Data  
*Romanus Odhiambo, Beatrice Gathoua, Peter Mwita*  
 10:15 Hot-Deck Imputation and its effect on variance estimation with reference to Quarterly Labour Force Survey  
*Muthetho Solomon Nkwini, Liesbeth Roberts*  
 10:40 Nonparametric Imputation Methods With Data Missing At Random  
*Philip Cheng, Jianhui Ning*

## STCPM68 MR 12B Causes of death issues

- Chair: *TBA*  
 09:00 The extent of misclassification of causes of death: a case study of Emalahleni Municipality, Mpumalanga Province, South Africa  
*Christine Khoza*  
 09:30 More efficient survival studies accounting for misclassified causes of death  
*Els Goetghebeur*  
 10:00 Changing Trends on Causes of Death among Adult South Africans  
*Lutendo Malisha*  
 10:30 Determining Years of Life Lost( YLL) of Leading Death Causes Responsible for Reduction in Life Expectancy (Boushehr-Iran)  
*Abdollah Hajivandi*

## STCPM 72 Hall 1A 21st Century Approaches to Text Mining with Applications

- Organiser: *Yasmin Said*  
 Chair: *Carey Priebe*  
 09:00 High Dimensional Vector Space Methods for Characterizing Semantic Content  
*Yasmin Said*  
 09:35 Implicit translation of Wikipediae via Random Graph Embeddings  
*David Marchette, Elizabeth Hohman, Carey Priebe*  
 10:05 Text Mining, Social Networks, and Document Clustering  
*Edward Wegman*  
 10:35 Comparing text similarity measures for attributing time series of graphs  
*Carey E. Priebe*  
 11:05 Open discussion

## STCPM86 Hall 3B Economic and Financial Crises, Threat or Opportunity for Official Statistics?

- Moderator: *Gabriel Gamez*  
 09:05 Panelist: *Pieter Everaers*  
 09:30 Panelist: *Jonathan Palmer*  
 09:55 Panelist: *Richard Walton*  
 10:20 Panelist: *Hallgrinur Snorrason*  
 10:55 Panelist: *Eduardo Nunes*  
 11:10 Open discussion

## STCPM92 Hall 2E Statistical models in agriculture and ecology

- Chair: *Temesgen Zewotir*  
 09:00 Prediction of Crown-Width of Azadirachta Indica Growing in Jodhpur (Rajasthan, India)  
*Puneet Verma, Kishan Kumar V S*  
 09:20 Evaluation of Varietal and Moisture Content Effect of Some Cowpea Varieties (Vigna Unguiculata (L) Walp) on their Bulk Density, Particle Density and Porosity  
*Olugbemi Olujimi, Thomas Adegbulugbe*  
 09:40 Climatic factors Affecting Optimal Production of Trees  
*Morries Chauke*  
 10:00 Logistic models of estimating biodiversity  
*Veiko Adermann, Margus Pihlak*  
 10:20 Conceptual Framework and Methodological Considerations for the Design and Development of a Grassroots Focus Index  
*Augustine Mwiza Mkandawire, Namhla Mniki*  
 10:40 Application of Discrimination Analysis in Validation of Methods For Seed Germination Tests  
*Verônica Yumi Kataoka, Marcelo Silva de Oliveira, Maria Laena M de Carvalho*

## STCPM118 MR 22A International Statistical Literacy Project 09:00

## STCPM119 MR 22B International Statistical Literacy Project 09:00



# Programme

- CPM31 Hall 1B Extreme value distributions**  
Chair: *Luiz K. Hotta*
- 09:00 Fitting the tail of multivariate extremal data: choice of a threshold radius vector when applying a Dirichlet mixture as the spectral density for measuring dependence  
*Wilson Moseki Thupeng, Daniel Jacobus de Waal*
- 09:20 On empirical estimation of ruin probabilities using integrated tail distributions  
*Kalev Pärna, Ants Kaasik*
- 09:40 Spike train surrogates based on dithering in operational time  
*Markus Diesmann, Sebastien Louis, Sonja Gruen, George Gerstein*
- 10:00 Kernel estimators for the second order parameter in extreme value statistics  
*Yuri Goegebeur, Jan Beirlant, Tertius de Wet*
- 10:20 Analysis of Wind-Generated Wave Fields from Light Transmission Data  
*Mayukh Samanta, Kingshuk Roy Choudhury, Finbarr O'Sullivan*
- 10:40 A Statistical Technique for Monoisotopic Peak Detection in a Mass Spectrum  
*Susmita Datta, Mourad Atlas*

- CPM47 Hall 6A Integrated statistical systems**  
Chair: *Vincent Agboto*
- 09:00 Towards a Generic Statistical Business Process Model  
*Steven Vale*
- 09:20 Measuring the Health of a Federal Statistical System: Some Perspectives  
*Edward Spar*
- 09:40 Quality Reporting in the European Statistical System  
*Michael John Colledge, Hakan Linden, Jorgen Dalen*
- 10:00 Moving towards an integrated sample design approach for social surveys conducted by Statistics New Zealand  
*Gareth Minshall, Christine Bycroft*
- 10:20 Creating common statistical taxonomies in Europe: taxonomy of the financial modules of Structural Business Statistics (SBS)  
*Antonio Sanchez*
- 10:40 Seeking Unorthodox Sources of Funding for Statistical Activities in Africa  
*Thiekoro Doumbia*

- CPM48 MR11B Poverty studies**  
Chair: *Thembile Mzolo*
- 09:00 Index of individual human poverty (IIHP)  
*Raimi Fassassi*
- 09:20 The determinants of poverty in Cape Verde: an econometric approach  
*José Moniz Fernandes*
- 09:40 Income Inequality, Macroeconomic Indicators, and the Missing Link  
*Alexey Shevyakov, Alexey Rudberg*
- 10:00 Profiling South African Middle Class Households: 1998-2006  
*Mosidi Nhlapo*
- 10:20 Assets and Capabilities Poverty in South Africa  
*Sandile Elvis Simelane*

- CPM61 MR11C Statistics in Finance**  
Chair: *Marie Bohata*
- 09:00 Expectations of Crude Oil Prices and Exchange Rate: Some Considerations  
*André Salles*
- 09:20 Measuring Dependence in Financial Markets: an Overview  
*Alexandra Almeida, Beatriz Mendes*
- 09:40 Idiosyncratic and Systematic Risk in Emerging Capital Markets: BRIC Evidence  
*André Assis Salles, Adriana Liu, Caroline Rodrigues*
- 10:00 A Hybrid Multi-Risk Model for Asset Pricing using Regression Analysis: A Case Study  
*Caston Sigauke*
- 10:20 Interpreting the CPIS data on the distribution of foreign portfolio assets when cross-border positions in mutual funds are sizeable. Evidence for the main euro-area countries  
*Alberto Felettigh, Paola Monti*

- CPM98 MR12C Sampling issues**  
Chair: *Alicia Bercovich*
- 09:00 Network Sampling for a Hidden Population: Analysis of Students in Tertiary Institutions in Nigeria Engaged in Health Risk Behavior  
*Ismaila Adeleke, Ade Ibiwoye, Rotimi Ogundeji, Edesiri Ahani*
- 09:20 Preliminary estimates for a sub-period of reference in a continuous survey  
*Jorge Saralegui-Gil, Miguel-Angel Garcia*
- 09:40 The estimation process for welfare measures under complex sampling  
*Ariane Neethling, Tertius de Wet*
- 10:00 Application of Permanent Random Numbers Technology in Sampling Survey  
*Xiukun Huang*
- 10:20 A quantitative approach to Internet addiction in Greek University Students  
*Christos Frangos, Constantinos Frangos*
- 10:40 Estimation and Inference in Structural VAR Models with a Nearly Stationary process  
*Patrick Feve, Alain Guay, Jeremy Chaudourne*

- CPM107 MR12A Households and employment**  
Chair: *Helen Nviiri*
- 09:00 An Investigation into the Causes of University Graduate Unemployment in Harare (2001 to 2006)  
*Nyasha Murimira*
- 09:20 Linking and Adjusting the Levels of Survey of Total Employment and Earnings Series to the Quarterly Employment Statistics Series to Create Comparability  
*Jan Mosalo*
- 09:40 Measuring Decent Work  
*Peter Wingfield-Digby*
- 10:00 Characteristics of Workless Households in South Africa  
*Jean-Marie Hakizimana, Kerotse Malefo*
- 10:20 Determinants of female labour force participation in South Africa in 2008  
*Yakubu A Yakubu*
- 10:40 The profiling of poor households for targeted intervention utilising digital data collection technology  
*Mahier Hattas, Muthetho Nkwini*



# Programme

<b>IPM7</b>	<b>Hall 6A</b>	<b>Concentration inequalities</b> <b>BS</b>
13:00		Organiser and chair: <i>Sara van de Geer</i>
13:05		Concentration of the empirical risk <i>Pascal Massart</i>
13:35		Lipschitz functions and concentration <i>Colin McDiarmid</i>
14:05		Applications of Concentration Inequalities in Graph Colouring via the Probabilistic Method <i>Bruce Reed</i>
14:35		Discussant: <i>Emmanuel Candes</i>
15:05		Open discussion

<b>IPM16</b>	<b>Hall 2D</b>	<b>Comparing Poverty and Prices across National Boundaries - the ICP Programme and Poverty PPPs</b> <b>IAOS, IASS, Local Hosts</b>
13:00		Organiser and chair: <i>Fred Vogel</i>
13:05		The Experimental Practice in Intra-country Comparison of China <i>Wen Jianwu, Shi Ting, Wang Lei</i>
13:35		ICP-CPI: Using the SPD method to bridge the quality gap <i>Abdoulaye Adam, Mathieu Djayeola</i>
14:05		Efficiency of the Core Product List in International Comparisons <i>Yuri Dikhanov</i>
14:35		The impact of ICP participation on statistics - a country perspective <i>Joe De Beer</i>
15:05		Open discussion

<b>IPM27</b>	<b>Hall 4C</b>	<b>Uncertainty in Statistical Matching</b> <b>IAASC, IASS</b>
13:00		Organisers: <i>Mauro Scanu, Tomas Aluja-Banet</i>
13:05		Chair: <i>Fritz Schuren</i> Uncertainty intervals for nonidentifiable parameters in statistical matching <i>Marco Di Zio, Marcello D'Orazio, Mauro Scanu</i>
13:35		Regression-Based Statistical Matching: Past, Present, and Future <i>Chris Morfarity</i>
14:05		How useful are uncertainty bounds? Some recent theory with an application to Rubin's causal model <i>Hans Kiesel, Susanne Räsler</i>
14:35		Discussant: <i>Fritz Scheuren</i>
15:10		Open discussion

<b>IPM76</b>	<b>Hall 2A</b>	<b>Challenges and new advances of large dimensional failure time data analysis with applications in population sciences</b> <b>GTC, LS</b>
13:00		Organiser and chair: <i>Yi Li</i>
13:05		Nonparametric Estimation of the Bivariate Survivor Function <i>Ross Prentice</i>
13:30		Variable Selection for failure time data via penalized pseudo-likelihood <i>Jianqing Fan, Runze Li, Jianwen Cai, Haibo Zhou</i>
13:55		Uncovering Symptom Progression History from Large Disease Registries, with Application to Young Cystic Fibrosis Patients <i>Jason Fine, Jun Yan, Yu Cheng, Hui-Chuan Lai</i>
14:20		Statistical Methods for Genetic Risk Estimation of Rare Complex Genetic Diseases <i>Malka Gorfine, Li Hsu</i>
14:45		Discussant: <i>Els Goetghebeur</i>
14:55		Open discussion

<b>IPM85</b>	<b>Hall 2C</b>	<b>Mesoscale studies of temperature trend</b> <b>GTC, TIES</b>
13:00		Organiser and chair: <i>Robert Lund</i>
13:05		Accounting for Changepoints in Temperature Series <i>Colin Gallagher</i>
13:35		USA Changepoint Adjusted Temperature Trends <i>Qiqi Lu</i>
14:05		Past Temperature Reconstruction Using a Bayesian Hierarchical Model <i>Bo Li</i>
14:35		Discussant: <i>Lynne Seymour</i>
15:05		Open discussion

<b>STCPM4</b>	<b>Hall 5CD</b>	<b>Innovative Methods for the 2010 Round of Population Censuses</b>
13:00		Organiser: <i>Dave Dolson</i>
13:05		Chair: <i>David Whitford</i>
13:30		The joint pilot tests on indigenous populations: Learning for 2010 Population Census Round in Latin American Countries <i>Alicia Bercovich</i>
13:55		Effective Control Systems in a Multimode Census Data Collection Methodology <i>David Dolson</i>
14:20		The French population census: first elements of evaluation of the rolling census <i>Olivier Lefebvre</i>
14:55		The evaluation of the capturing system using scanning technology: Challenges in measuring completeness and quality of Census data processing in South Africa <i>Jean-Marie Hakizimana</i>
15:10		Coverage Improvement and Measurement in the U.S. 2010 Census: Innovation in Response to Census 2000 <i>David C. Whitford</i>
		Open discussion



# Programme

## STCPM15 Hall 4B Coordination of international statistical activities

Organisers: *Pieter Everaers, James Whitworth*

Chair: *Pieter Everaers*

- 13:00 Statistical Coordination in Africa  
*Michel Mouyelo-Katoula, Adalbert Nshimyumuremyi*
- 13:30 Role of the UN Regional Commission in Coordination of Statistical Activities  
*Juraj Riecan*
- 13:55 Coordination of Statistical Capacity Building Activities: Developing Country Perspective of the PARIS 21 Initiatives  
*Romulo Virola, Jessamyn Encarnacion*
- 14:20 Co-ordination in the Global Statistical System: A possible way forward  
*James Whitworth, Pieter Everaers*
- 14:55 Discussant: *Sylvester Young*
- 15:10 Open discussion

## STCPM39 MR 11A Public Health Issues in Africa: The Challenges of Evidence for Monitoring & Evaluation

Chair: *Temesgen Zewotir*

- 13:00 Impact of HIV/AIDS on Development in Sub-Saharan Africa  
*James Ntozi*
- 13:30 Factors that affect adherence to antiretroviral therapy over time in South Africa  
*Dikokole Maqutu*
- 14:00 Factors influencing replacement feeding practices among HIV positive mothers attending the PMTCT program at Gulu Regional Referral and St Mary's Lacor Hospitals - Northern Uganda  
*Beatrice Odongkara Mpora, Sarah Kiguli, Edison A Mworozzi*
- 14:30 The Effect of Voluntary HIV Counselling and Testing on Marital Stability Among HIV Discordant Couples in Rakai, Uganda: Poisson Regression Approach  
*Jonathan Odwee, Noah Nyende*

## STCPM53 Hall 5B Impact of Social Security and HIV/ AIDS on Household Formation

Organiser and chair: *Diego Itturalde*

- 13:05 Panelist: *Catherine Cross*
- 13:30 Panelist: *Nompu Mzimande*
- 13:55 Panelist: *Eric Udjo*
- 14:20 Panelist: *TBA*
- 14:55 Discussant: *Monde Makiwane*
- 15:10 Open discussion

## STCPM 81 Hall 3B Analysis of Panel Data

Chair: *Nicholas Nsowah-Nuamah*

- 13:00 An Application of SRMI on Panel Data - Results and Further Research  
*Michael Johan Von Maltitz*
- 13:30 Comparison the Rolling Sampling with the Rotation Sampling in panel survey  
*Jong-Seok Byun, Chan-Soo Lim, Joon-Suk Lee*
- 13:55 Poverty dynamic in Nairobi's Informal Settlements, Accounting for Initial Conditions and Panel Attrition  
*Michael Mutua*
- 14:20 How Much Does Urbanization Matter? Panel Data Evidence from West African Economic Performance  
*Gbadebo Odularu*
- 14:55 Reproductive Intention And Achievement: An Experience from Household Level Retrospective Panel Study in Rural Central India  
*Uma Chatterjee Saha, Kalyan Brata*
- 15:10 Open discussion

## STCPM 82 Hall 2E Business Registers and the use of administrative data

Organiser and chair: *Michael Colledge*

- 13:05 Business Register Review and Enhancement  
*Marietha Gouws, Michael Colledge*
- 13:25 Enhanced Quality Assurance Program for the U.S. Census Bureau's Business Register  
*C. Harvey Monk, Jr.*
- 13:45 Economic Statistics Profiling and Quality Management Programme  
*Michael John Colledge, Anne-Marie Buitendach*
- 14:05 Towards coordinated maintenance of contact data: Role of the Statistical Business Register  
*Miodrag Cerovina, Dragan Vukmirovic*
- 14:25 Revised Units Model for Economic Surveys at Statistics South Africa  
*Michael John Colledge, Nazeem Mustapha*
- 14:45 Business Register Analysis: Case Study  
*Michael John Colledge, Willem Erasmus*
- 15:05 Open discussion



# Programme

<b>STCPM 84</b>	<b>Hall 6B</b>	<b>Use of administrative data</b>	
13:00		Organiser and chair: <i>Michael Colledge</i>	
13:05		Utilizing an Alternative Sampling Frame to Produce Agricultural Survey Indications <i>James Mark Harris, Wendy J. Barboza</i>	
13:25		Register-based Statistics versus Sample Statistics Case: Finnish statistics on the finances of agricultural and forestry enterprises <i>Hannu Maliniemi</i>	
13:45		Project to use administrative registers for the Spanish household survey on income and living conditions <i>Jose Maria Mendez</i>	
14:05		The use of administrative data and its impact on economic statistics samples <i>Mandla Masemula, Naume Malepe</i>	
14:25		Role of the data of administrative sources in the development of the statistics <i>Félicien Donat Edgar T. Accrombessy</i>	
14:45		Vital Registration and Other Administrative Records Use in Uganda, A Case of Churches <i>Gloria Waithira Mathenge</i>	
15:05		Open discussion	

<b>STCPM95</b>	<b>MR 12A</b>	<b>Sports statistics 2</b>	
		Chair: <i>TBA</i>	
13:00		Researching Data and Publications Related to Sports Statistics <i>James Cui</i>	
13:30		Modeling Athletic Records: Caveats and Guidelines <i>Joseph Hilbe</i>	
14:00		<i>TBA</i>	
14:30		<i>TBA</i>	
15:00		Open discussion	

<b>STCPM113</b>	<b>MR 12C</b>	<b>Time Series Data</b>	
		Chair: <i>TBA</i>	
13:00		Re-examination of the Theoretical Model for Global-Flow-of-Funds Analysis <i>Nan Zhang</i>	
13:25		Long-memory versus non-stationarity: a multi-scale test test procedure <i>Olaf Kouamo, Eric Moulines, François Roueff</i>	
13:50		Determinants of Export Growth Rate in Uganda 1987-2006 <i>Nimrod Agasha</i>	
14:15		Monitoring Calibration of the Singular Spectrum Analysis Method <i>Paulo Canas Rodrigues</i>	
14:40		On two phase polynomial regression under long-range dependence <i>Jan Beran, Arno Weiershaeuser</i>	

**STCPM120 MR 22B International Statistical Literacy Project 13:00**

**STCPM121 Hall 1A International Statistical Literacy Project 13:00**

<b>CPM8</b>	<b>MR11C</b>	<b>Statistical inference</b>	
		Chair: <i>Sieraag De Klerk</i>	
13:00		Double Misspecified Models and Local Model Uncertainties <i>Nan Xuan Lin, Jian Qing Shi, Robin Henderson</i>	
13:20		Methodologies for Recurrent Event Data Under Competing Risks <i>Anupap Somboonsavatdee, Ananda Sen</i>	
13:40		Some New Research about the Consistency Problem of Parameter Estimated of Linear Regression Model <i>Mingzhong Jin</i>	
14:00		On sufficient conditions for admissibility under LINEX loss <i>Hidekazu Tanaka</i>	
14:20		Moment and CAN estimators for the expected number of customers and the expected service time per customer in the system of a tandem queue <i>Venkata Seshachala Sarma Yadavalli, Balakrishna Chandrasekhar, Pichika Chandrasekhar</i>	
14:40		Confidence Intervals for A Bounded Mean in Exponential Families <i>Hsiuying Wang</i>	

<b>CPM32</b>	<b>Hall 2BH</b>	<b>Mixed models</b>	
		Chair: <i>Mamadou Falou Mbengue</i>	
13:00		The Semi-Mixed Effects Model Class <i>Stefan Sperlich</i>	
13:20		On the Behavior of Marginal and Conditional Akaike Information Criteria in Linear Mixed Models <i>Sonja Greven, Thomas Kneib</i>	
13:40		Selecting an Appropriate Transformation of Responses for Fitting a Linear or Additive Mixed Model <i>Wataru Sakamoto</i>	
14:00		Simultaneous confidence bands for the mixed model representation of penalized spline estimators <i>Tatyana Krivobokova, Thomas Kneib, Gerda Claeskens</i>	
14:20		A Generalized Linear Model for Gain Scores <i>Leonard Atuhaire</i>	
14:40		Deletion diagnostics for the GLMM <i>Bhaswati Ganguli, Sugata Sen Roy, Malay Naskar</i>	

<b>CPM37</b>	<b>MR11B</b>	<b>Theoretical statistics</b>	
		Chair: <i>Phillippe Gafishi</i>	
13:00		Exceptional tensors with three slices and the positivity of its determinant polynomial <i>Toshio Sakata, Toshio Sumi, Mitushiro Miyazaki</i>	
13:20		Shadowing of Statistical Average in Nonhyperbolic Chaotic Dynamical Systems <i>Chita Evardone, Awadesh Prasad, Ying-Ching Lai</i>	
13:40		Banard convex sets as convex geometries <i>Félix Almendra-Arao</i>	
14:00		Hellinger distance estimation of general bilinear time series models <i>Ouagnina HIL</i>	
14:20		Methods for the assessment of the assumption of normality of data <i>Wallina Oosthuizen, CS Lombaard</i>	
14:40		Outlier Detection for Covariance Estimation via Feature Selection Algorithms <i>Rajiv Menjoge, Roy Welsch</i>	



# Programme

<b>CPM85</b>	<b>MR12B</b>	<b>Biological and Medical Statistics</b> Chair: <i>Luca Pappalardo</i>
13:00		Finding the role of proteins using a systems biology approach <i>Liliana López Kleine</i>
13:20		Kill the Queens <i>Dav Dev</i>
13:40		Biostatistical approaches in understanding Vitamin D Receptor gene polymorphism(s) and breast cancer risk in north Indian population <i>Anurupa Chakraborty, Ashwani Kumar Mishra, Abha Soni, Thodum Regina</i>
14:00		Estimation of parameters of logistic regression <i>Muhammad Hoque, Arnab Raghunath</i>
14:20		ICA or PCA? Which one is More Efficient Method for Artifact Identification in MEG Recordings <i>Mohammad Asghari Jafarabadi, Ebrahim Hajizadeh, Anoshirvan Kazemnejad</i>
14:40		Negative Binomial, Zero Hurdle/Inflated Negative Binomial Models for Describing the Axillary Lymph Node Involvement in Breast Cancer Patients and their Applications <i>Alok Kumar Dwivedi, Sada Nand Dwivedi, S V S Deo</i>
<b>IPM10</b>	<b>Hall 4C</b>	<b>The Role of Chance in Evolution</b> <b>BS</b>
		Organiser: Peter Jagers Chair: <i>Fima Klebaner</i>
15:30		Species abundance distributions in two classes of models: Immigration from mainland vs mutant substitution <i>Amaury Lambert</i>
15:35		Polymorphic evolution sequence and evolutionary branching in a logistically regulated population <i>Nicolas Champagnat, Sylvie Méléard</i>
16:05		Modelling the evolutionary process of DNA-sequences. <i>Amdt Von Haeseler, Steffen Klaere, Tanja Gesell</i>
17:05		Discussant: <i>Fima Klebaner</i>
17:35		Open discussion
<b>IPM22</b>	<b>Hall 5B</b>	<b>Methodological and measurement challenges in Economic Statistics</b> <b>IAOS</b>
		Organiser and chair: <i>Peter Harper</i>
15:30		Methodological Challenges in measuring business concentration as an official statistic; the case of the Hirschman - Herfindahl Index <i>George Djolov, Riona Arjoon</i>
15:35		Concept of a coherent output oriented system of business statistics <i>Roland Gnoss</i>
16:05		Measures of Productivity Change: Which Outcome Do You Want? <i>Mark Vancauteran, Dirk Van Den Bergen, Erik Veldhuizen, Bert Balk</i>
17:05		Discussant: <i>Ivo Havinga</i>
17:35		Open discussion

<b>IPM57</b>	<b>Hall 6A</b>	<b>Integrated Household Surveys - Design, Implementation, and Estimation</b> <b>IASS</b>
		Organiser and chair: <i>Denise Silva</i>
15:30		Survey harmonisation in official household surveys in the United Kingdom <i>Paul Smith</i>
15:35		The Canadian Experience in Creating a Master Sample <i>Jean-Louis Tambay, Guy Laflamme, Jack Gambino</i>
16:00		Data pooling: constructing estimates across collections <i>Geoff Lee, Jonathon Khoo, James Chipperfield, Anil Kumar, Russell Lim, Julia Chessman</i>
16:25		Development of an Integrated Household Survey System: The Brazilian Experience <i>Marcia Quintsli, Elizabeth Hypólito</i>
16:50		Discussant: <i>Ralf Hussmans</i>
17:15		Open discussion
17:35		
<b>IPM63</b>	<b>Hall 2D</b>	<b>Statistics in Finance</b> <b>ISBIS</b>
		Organiser: <i>Rong Chen</i>
15:30		Chair: <i>David Banks</i>
15:35		Counterparty and Non-Random Risk <i>Dale Rosenthal</i>
16:15		CDO Pricing with Copulae <i>Barbara Choros, Wolfgang Haerdle, Ostap Okhrin</i>
16:55		Pricing of Non-Performing Assets <i>Junni Zhang</i>
17:35		Open discussion
<b>IPM82</b>	<b>Hall 2C</b>	<b>Statistical issues associated with climate change</b> <b>GTC, TIES</b>
		Organiser: <i>David Marker</i>
15:30		Chair: <i>Murray Cameron</i>
15:35		Some extreme value problems in climate research <i>Peter Guttorp</i>
16:05		A comprehensive statistical system for the analysis of climate change <i>Walter Radermacher</i>
16:35		The Role for Statisticians in Climate Change Research <i>David Marker</i>
17:05		Discussant: <i>Olav Ljones</i>
17:35		Open discussion





# Programme

<b>STCPM12</b>	<b>Hall 4B</b>	<b>Quality Assurance of National and Cross-National Statistics</b> Organisers: <i>Antonio Baigorri, Claudia Junker</i> Chair: <i>Michel Glaude</i>
15:30		Consequences of a fully developed quality report system based on a 5-years experience at Statistics Austria
15:35		<i>Thomas Burg</i>
16:00		Quality assurance activities at Statistics Portugal <i>Maria João Zilhão, Magda Ribeiro</i>
16:25		The application of the ECB Statistics Quality Framework to the construction of sound statistical indicators <i>Caroline Willeke, Catherine Ahsbahs, Violetta Damia, Gerard Salou</i>
16:50		Quality Assessments in Eurostat: the experience from Rolling Reviews <i>Claudia Junker</i>
17:15		Discussant: <i>Eva Elvers</i>
17:40		Open discussion
<b>STCPM24</b>	<b>Hall 3B</b>	<b>Violence against Women: How Indicators can Influence Policy Development</b> Organiser and chair: <i>Cynthia Clark</i>
15:30		Designing and Conducting Surveys in Adverse Conditions <i>Luay Shabaneh</i>
15:35		Statistics and policy making on men's violence against women – the Swedish experience <i>Linda Österberg, Carolina Nordström</i>
16:05		Italian Violence against Women Survey: Lessons for the Policy Makers <i>Linda Laura Sabbadini</i>
16:35		Discussant: <i>Grace Bediako</i>
17:05		Open discussion
17:35		
<b>STCPM32</b>	<b>Hall 2A</b>	<b>The General Data Dissemination System (GDDS) for Africa – Building Capacity Development in Statistics</b> Organiser and chair: <i>Ronald Luttkhuizen</i>
15:30		Meeting the Needs of Kenyan Justice and Security Statistics: Evidence from General Data Dissemination System <i>Robert C.B. Buluma</i>
15:35		GDDS II project: Designing a Labor Force Survey for Uganda <i>Vincent Fred Sssenono</i>
15:55		GDDS II Project to improve health statistics in Mauritius <i>Nasser Jeeanody</i>
16:15		Impact of the GDDS project on the Statistical System in Namibia – Stocktaking considerations <i>Ndamona C Kali</i>
16:35		Discussant: <i>Oliver Chinganya</i>
16:55		Discussant: <i>Yandiswa Mpetsheni</i>
17:15		Open discussion
17:35		
<b>STCPM34</b>	<b>Hall 2BH</b>	<b>Data Challenges for Monitoring the MDGs in Africa</b> Organiser and chair: <i>Anna Majelantje</i>
15:30		Data challenges for monitoring environmental sustainability <i>Kakanyo Dintwa</i>
15:35		Data challenges in monitoring MDGs in Mauritius <i>Chandranee Rughoobur</i>
16:15		Data challenges for monitoring the MDGS in Africa – HIV/AIDS prevalence data <i>N Forcheh</i>
16:55		Open discussion
17:35		

<b>STCPM36</b>	<b>Hall 5CD</b>	<b>The 2010 Round of Population and Housing Censuses: An Evaluation of African Countries</b> Organiser and chair: <i>Margaret Mbogoni</i>
15:30		Census Undertaking in Pastoral Areas and Application of New Technologies in the 2007 Population and Housing Census <i>Yakob Seid, Samia Gutu</i>
15:35		Planning and coordinating a census in a post-conflict situation; a case study of the 5 <sup>th</sup> Sudan population and housing census <i>Herbert Kandeh</i>
15:55		An Evaluation of the 2010 Round of Censuses - The Liberian Experience <i>T. Edward Liberty</i>
16:15		Challenges in Census data processing using contemporary technologies: The case of Malawi <i>Angela Msosa</i>
16:35		Experience and Lessons Learned in Conducting Post Enumeration Surveys in Sub-Sahara Africa: A case for Tanzania and Uganda <i>Jason Onsembe</i>
16:55		Discussant: <i>John Kekovole</i>
17:15		Open discussion
17:35		
<b>STCPM42</b>	<b>MR 11C</b>	<b>Demographic Trends in Africa: Implications for Development</b> Chair: <i>Diego Itturalde</i>
15:30		Below Replacement Fertility and the Prospects of Population: The Case of Spain <i>Alejandro Aguirre</i>
15:50		Ethnic Fertility differentials in Malawi: Searching for an explanation <i>Martin Enock Palamuleni</i>
16:10		Analysis of socio-economic factors influencing fertility in South Africa <i>Rosinah Tshepiso Matsemame Senona</i>
16:30		Fitting stochastic models to age specific fertility rate in Africa <i>Ezra Gayawan, Reuben Ipimyomi</i>
16:50		Fertility decline and fertility preference in Nigeria <i>Godswill Osuafor</i>
17:10		A Model - Based Study on Regional and Temporal Variations in Fertility Behavior of Indian Female Cohorts Crossing Childbearing Age During 1993-2012 <i>Samba Siva Rao Pasupuleti, Prasanta Pathak</i>
<b>STCPM80</b>	<b>Hall 6B</b>	<b>Time series analysis</b> Organisers: <i>Bovas Abraham, Yulia Gel</i>
15:30		Chair: <i>Yulia Gel</i>
15:35		Stochastic Volatility Modeling <i>Bovas Abraham</i>
16:00		Recursive Methods for Matrix Inversion with Time Series Applications <i>Abdel El-Shaarawi</i>
16:25		Factor models in time series analysis: forecasting performance <i>Pilar Munyoz</i>
16:50		Inference for Volatility Models with Applications <i>Aerambamoorthy Thavaneswaran, Melody Ghahramani</i>
17:15		Applications of Product models in Financial Time Series <i>Balakrishna N.</i>
17:40		Open discussion



# Programme

## STCPM83 Hall 2E Recent Advances in Tourism Statistics: Improvements in National Systems of Tourism Statistics, Standards and Tourism Satellite Accounts

- 15:30 Organiser and chair: *Scott Meis*  
15:35 Improvements in international technical standards for tourism statistics  
*Antonio Massieu*  
15:55 Innovations in national statistical data collection instruments  
*Stephen MacFeely*  
16:15 Towards guidelines in international statistics on tourism employment  
*Igor Chernyshev*  
16:35 The Development of a South African Tourism Satellite Account  
*Riaan Grobler*  
16:55 The Development of A Human Resource Module of The Canadian Tourism Satellite Account  
*Scott Meis*  
17:15 Discussant: *Eduardo Nunes*  
17:35 Open discussion

## STCPM89 MR11A Extreme value methods

- Chair: *Mark Dowdeswell*  
15:30 Statistical methods for the analysis of extreme temperatures  
*Aliou Diop*  
15:50 Fitting Statistical Distributions to Wind Speed Data in South Africa  
*Kirshnee Moodley, Igor Litvine*  
16:10 Clustering time series of sea levels: An extreme value approach  
*Manuel Scotto, Susana Barbosa, Andrés Alonso*  
16:30 The Effect of Temporal Dependence and Seasonality on Return Level Estimates of Excessive Rainfall  
*Sibusisiwe Khuluse*  
16:50 Modelling Risk on Losses due to Water Spillage for Hydro Power Generation  
*Andrehette Verster, Daan de Waal*  
17:10 A regional frequency analysis of annual maximum river discharges from selected major rivers in Uganda  
*Kennedy Jumnyol, R Xavier Mugisha, Leonard Atuhaire*

## STCPM122 Hall 1A International Statistical Literacy Project 15:30

## STCPM132 MR 22A Maths4Stats Workshop A 3 15:30

## STCPM137 MR 22B Maths4Stats Workshop B 3 15:30

## CPM19 MR12A Statistics in Genetics

- Chair: *Remigius Nnadozie*  
15:30 Galton revisited: Detecting heritability  
*Ushma Galal, Lize Van Der Merwe*  
15:50 Heritability established, what next?  
*Lize Van Der Merwe, Ushma Galal*  
16:10 Estimating genetic models involving nonlinear constraints and IRT measurement models  
*Stéphanie M Van Den Berg*  
16:30 Phylocustering: New Phylogenetic Methods for Inferring Population Structure  
*Karin Dorman, Wei-Chen Chen, Ranjan Maitra*  
16:50 How many different HLA genotypes exist in a population?  
*Frederique Feve, Jean-Pierre Florens*  
17:10 Genome-wide association scans for common disease variants in multiethnic populations  
*Daniel Stram, Gary Chen, Chris Haiman*

## CPM90 MR12B Time Series and Forecasting 1

- Chair: *Hani AlAhmed*  
15:30 The Blessing of Dimensionality in Forecasting Real House Price Growth in the Nine Census Divisions of the US  
*Sonali Das, Rangan Gupta, Alain Kabundi*  
15:50 Comparison of macro models for middle term forecasting  
*Dramane Meite*  
16:10 Ripple Effects' and Forecasting Home Prices In Los Angeles, Las Vegas, and Phoenix  
*Rangan Gupta*  
16:30 Forecasting Sugarcane Yield in Hayana (India) - A Time Series Analysis  
*Rangan Gupta, Stephen Miller*  
16:50 E-Government and new professional figures in UE.  
*Cesare Piacentino, Francesca Giambona*  
17:10 A Dairy Production Prediction System for the Milk Industry  
*Brian Chiripanhura*



# Daily Planner

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# Programme

## IPM21 Hall 4B Improving comparability of urban and regional data: Standards, harmonization, and sharing metadata resources for survey development

### IAOS

- 09:00 Organiser and chair: *Wendy Thomas*  
 09:05 SDMX – A standard for Data and Metadata Exchange  
*Bryan Fitzpatrick*  
 09:30 Harmonizing the World's Census Microdata: Methods and Challenges of the IPUMS Project  
*Matthew Sobek*  
 09:55 TBA  
*Kobus Herbst*  
 10:20 Comparable geography: options for developing small area harmonized geographies for comparison, implications for aggregate data production  
*Wendy Thomas*  
 10:55 Discussant: *Markandev Rai*  
 11:10 Open discussion

## IPM39 Hall 3B Challenges faced in Statistics Education in African countries

### IASE, Local Hosts

- 09:00 Organiser and chair: *Delia North*  
 09:05 Statistics Education in South Africa: Challenges and Successes  
*Temesgen Zewotir, Delia North*  
 09:40 Challenges faced in Statistical Education in Ethiopia  
*Eshetu Wencheke*  
 10:15 Statistics Education in Kenya-Developments and Challenges  
*John Wiclif Odhiambo, Silas Onyango*  
 10:50 Open discussion

## IPM55 Hall 5CD New Methodologies in Sampling Rare and Elusive Populations

### IASS

- 09:00 Organiser and chair: *Sanghamitra Pal*  
 09:05 Network methods for sampling rare and elusive populations  
*Steve Thompson*  
 09:35 Sampling and Oversampling Rare Subpopulations  
*Graham Kalton*  
 10:05 Network Sampling and Adaptive Sampling in Tandem: Field Tested in a Child Labour Survey  
*Arijit Chaudhuri*  
 10:35 Discussant: *Alastair Scott*  
 11:05 Open discussion

## IPM61 Hall 5B Capturing Unobserved Heterogeneity in Latent Variable Modelling

### ISBIS, IASC

- Organiser: *Vincenzo Esposito Vinzi*  
 Chair: *Francesco Palumbo*  
 09:00 Path Modeling Segmentation Trees: A Simulation Study of PATHMOX Sensitivity with Non-Normal Data  
*Tomás Aluja-Banet, Gastón Sanchez*  
 09:35 Using Categorical Indicators in order to take into account Unobserved Heterogeneity in PLS Path Modeling  
*Laura Trinchera, Giorgio Russolillo*  
 10:05 Discovering multidimensional unobserved heterogeneity through model-based cluster analysis  
*Giuliano Galimberti, Gabriele Soffritti*  
 10:35 Discussant: *Francesco Palumbo*  
 11:05 Open discussion

## IPM74 Hall 2E Group sequential analysis design

### GTC, LS

- 09:00 Organiser and chair: *M.J. van der Laan*  
 09:05 Comparing Efficiency for Adaptive and Non-Adaptive Group Sequential Designs  
*Bruce Turnbull*  
 09:35 Exploring the benefits of adaptive sequential designs in time-to-event settings  
*Sarah Emerson, Kyle Rudser, Scott Emerson*  
 10:05 Improvements on the Closure Testing Principle in Data Adaptive Group Sequential Randomized Trials  
*Michael Rosenblum, Mark Van Der Laan*  
 10:35 Open discussion

## IPM97 Hall 2D Estimating demographic statistics with flawed vital registration systems

### GTC, IUSSP, IAASS

- Organiser: *Carla Abou-Zahr*  
 Chair: *Dennis Trewin*  
 09:00 Demographic Surveillance:  
 The solution for civil registration in Africa  
*Alex Ezeh, Yazoume Ye*  
 09:05 What Can Be Done With Incomplete Civil Registration Data: Potential and Pitfalls  
*Kenneth Hill*  
 09:30 Cape Town mortality surveillance highlights differential health needs within the metropole  
*Pam Groenewald, Debbie Bradshaw, Johann Daniels, Nesbert Zinyakatira*  
 09:55 Discussant: *John Cleland*  
 10:20 Discussant: *Ben Kiregyera*  
 10:30 Open discussion  
 10:40

## STCPM35 Hall 2C New Development Challenges and New Development Partnerships: The Relevance of Statistics

### Chair: Organiser: *Grace Bediako*

- Chair: *Ernest Aryeetey*  
 09:00 New Development Challenges and New Development Partnership: Relevance of Statistics  
*Awa Thiongane*  
 09:05 Challenges for inclusive development in post-conflict situations: the role of statistics  
*Nouhoun Coulibaly*  
 09:35 The General Data Dissemination System (GDDS) - A reflection on its first twelve years and plans for taking it forward  
*Charles Enoch*  
 10:05 Discussant: *Lesetja Kganyago*  
 10:35 Open discussion  
 11:05



# Programme

- STCPM65 Hall 4C Improving quality of statistical processes**  
 Organiser and chair: *Manfred Ehling*  
 09:00 Process orientation - implications on data quality  
*Jörgen Svensson*  
 09:30 Quality and standardisation of processes  
*Hans Viggo Sæbø*  
 09:55 Implementing ISO 20252:2006 "Market, opinion and social research" in a statistical office  
*Federico Segui*  
 10:20 Participative quality audits at Statistics Finland  
*Pasi Piela*  
 10:55 A Statistical Quality Management Framework for sample surveys in an Official Statistical Agency  
*Marlize Pistorius, Luthando Mayekiso*  
 11:10 Open discussion

- STCPM91 Hall 2A Issues relating to censuses**  
 Chair: *John Kekovole*  
 09:00 Fieldwork Experiences and Challenges in Data Collection: The Eastern Cape Province of South Africa  
*Nondyebo Tsotsi*  
 09:20 The Dwelling Frame project as a tool of achieving socially-friendly Enumeration Areas' boundaries for Census 2011, South Africa  
*Bhekani Khumalo*  
 09:40 Strategy for Estimating Census Coverage in the 2011 Census of England and Wales  
*James Brown, Christine Sexton, Owen Abbott*  
 10:00 Comparison of Community Survey 2007 and General Household Survey 2007: Findings on Household Goods and Services  
*Nhlanhla Makhanya, Lutendo Malisha, Azam Khan, Kholofelo Uoane*  
 10:20 The Thematic Areas of Liberia's 2008 Population and Housing Census, Their Justification and Essence  
*James Mayson*  
 10:40 Testing the sampling design of the Sudan Family Health Survey using the 5th population census fieldwork

- STCPM123 MR 22A International Statistical Literacy Project**  
 09:00

- STCPM124 MR 22B International Statistical Literacy Project**  
 09:00

- CPM10 Hall 6A Bayesian methods**  
 Chair: *Andreas Christmann*  
 09:00 Constrained Bayes Estimator in Elliptical Models  
*Mohammad Arashi*  
 09:20 A Bayesian Inference Approach to the Content-Based Image Retrieval Problem  
*Simon Wilson*  
 09:40 Empirical-type likelihoods: Role of data-dependent priors  
*Rahul Mukherjee*  
 10:20 Bayesian Model Selection in Linear Mixed Effects Models with AR(1) Errors  
*Tsai-Hung Fan, Yi-Chen Zhang, Jenn-Hwa Yu*  
 10:40 Multivariate Beta Regression  
*Fernando Moura, Debora Souza*

- CPM33 Hall 2BH Spatial statistics**  
 Chair: *Andrew Reamer*  
 09:00 Space Pattern Analysis for Biological Data  
*Makiko Oda, Fumio Ishioka, Koji Kurihara*  
 09:20 Some recent developments in Non-linear Spatio-Temporal Models  
*Nihal Yatawara*  
 09:40 A Simulation Study on Detection and Correction of Geometric Anisotropy for Geostatistical Data  
*Takafumi Kubota, Tomoyuki Tarumi*  
 10:00 The Use of Central Similarity Proximity Catch Digraphs for Testing Multivariate Spatial Patterns  
*Elvan Ceyhan, Carey E Priebe, David J Marchette*  
 10:20 Robust and Bayesian Methods in geostatistics  
 An application to precision farming  
*Martha Bohorquez*  
 10:40 Estimation of species richness applied to forest communities  
*Tsung-Jen Shen, Wen-Han Hwang*

- CPM34 Hall 6b Longitudinal data analysis**  
 Chair: *Mark Berman*  
 09:00 Sensitivity analysis of longitudinal data with non-random dropouts using semi-parametric models  
*David Todem, KyungMann Kim, Jason Fine, Limin Peng*  
 09:20 Missing Data Problem in Longitudinal Addiction Research  
*Elena Verbitskaya*  
 09:40 Analysis of Continuous Multivariate Measurements under Informative Sampling with Application in Longitudinal Survey Data  
*Abdulhakeem Eideh*  
 10:00 A New Methodology for Mixed Models and Models for Longitudinal Data  
*Nina Strydom, Nico Crowther*  
 10:20 Uniform Weak convergence of non randomly weighted poverty measures for longitudinal data  
*Gane Samb Lo*  
 10:40 Mixed Effects Models For Time Series Gene Expression Data  
*Ibrahim Erkan*

- CPM42 MR11a Gender based violence**  
 Chair: *Stephen McNeill*  
 09:00 Measures Required for Reducing Domestic Violence Against Women in India: A Statistical Analysis  
*Pathak Prasanta, Samba Siva Rao Pasupuleti*  
 09:20 Sexual and Gender-based Violence Against Women in Conflict Areas in Uganda: A Case of Kitgum District  
*Jonathan Odwee, Lillian Amalo*  
 09:40 Spousal Sexual Violence, Sexual Behavior and Sexually Transmitted Diseases among Ever-Married Women in Uganda: An Analysis of UDHS 2006  
*Stephen Ojiambo Wandera*  
 10:40 Does Gender-Based Violence contribute to Under-five Mortality in Africa?  
*Nicole Claire De Wet, Clifford Odimegwu*



# Programme

**CPM53 MR11B Outliers**  
 Chair: *Francis Selialia*  
 09:00 On the distributions of test statistics for outliers identification in exponential and gamma samples  
*Deepak Sanjel, N Balakrishnan*  
 09:30 Testing for Inliers  
*Baris Surucu, Moti L Tiku*

**CPM63 MR11C Financial instruments**  
 Chair: *E.S.K. Muwanga-Zake*  
 09:00 Innovative Models for Reselling of Options  
*Dmitrii Silvestrov, Robin Lundgren*  
 09:20 Pricing European and American basket Options through a Monte Carlo Simulation Engine  
*Giuseppe Bruno*  
 09:40 Pricing a European exchange option driven by Merton's jump diffusion model using the Esscher transform  
*Ahmed Essay*  
 10:00 Statistical Models for Pricing Weather Derivatives for Major South African Cities  
*Mark Wopicho Nasila, Igor Litvine*  
 10:20 A Median rank approach for stock selection in Portfolio construction  
*Obaid M Al-Saidy, Subrahmanya Nairy K*

**CPM83 MR12A Design and Analysis of Surveys**  
 Chair: *Samuel Manda*  
 09:00 Determinants of Foreign Direct Investment in Burkina Faso  
*Zongo Prosper*  
 09:20 Nonparametric Methods with Survey Data  
*Torsten Harms, Pierre Duchesne*  
 09:40 Randomizations In Lesotho  
*Mamello Phororo, Safaa Amer, Fritz Sheuren, Miranda Berishville*  
 10:00 Penalized Calibration in Survey Sampling  
*Fabien Guggemos, Yves Tillé*  
 10:20 The Internet survey design  
*Getka-Wilczynska Elzbieta*  
 10:40 Selection of Arsenic-affected Water Zones - An Application of Adaptive Sampling Procedure  
*Sanghamitra Pal*

**CPM99 MR12B Processes and time series**  
 Chair: *Thaddeus Egondi*  
 09:00 Discrete Model for the Bombings in Region XII, Mindanao, Philippines  
*Epimaco, Jr Cabanlit, Robert Kiunisala, Romeo, Jr Galgo, Steiltjes Cabanlit*  
 09:20 Multipower Variation for Brownian Semistationary Processes  
*José-Manuel Corcuera, Ole E Barndorff-Nielsen, Mark Podolskij*  
 09:40 Periodically correlated- Locally stationary Processes  
*Saeid Rezakhah, Navideh Modarresi*  
 10:00 A novel algorithm for time synchronization in sensor networks  
*Jahangir Kheyrhassankandi*  
 10:20 Connectivity Measures in the Frequency Domain: An Information Theoretic Interpretation  
*Luiz Antonio Baccala, Daniel Yasumasa Takahashi, Koichi Sameshima*  
 10:40 Asymptotic goodness-of-fit tests for point processes based on second-order product densities  
*Lothar Heinrich, Stella David*

**CPM118 MR12C Social Statistics 2**  
 Chair: *Georges Parfait Djimefo Kapen*  
 09:00 Is there a mortality differential by marital status among women in South Africa? A study on a rural sub-district of Mpumalanga province in the north-east South Africa  
*Mercy Shoko*  
 09:20 Statistical Data Management and Dissemination with PROGNOZ  
*Vladimir Eskin*  
 09:40 Sample Design for the South African Labour Force Survey  
*Johannes Ngoako Mokgerepi, Princess Lekhondlo Ramokolo*  
 10:00 Factors associated with women unemployment in South Africa  
*Casment Mahlwele*  
 10:20 Using a multi-purpose household sample survey to investigate tobacco smoking – the Brazilian case  
*Sonia Albiéri, Marcos Freitas*

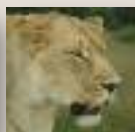
**IPM9 Hall 2D Statistical Modelling and Data Analysis for Neural Coding**  
**BS**  
 Organisers: *Elie Bienenstock and Britt Anderson*  
 Chair: *Britt Anderson*  
 13:00 Inferring size and temporal precision of correlated neuron group activity from population measures  
*Sonja Gruen, Sébastien Louis*  
 13:30 Synthetic Spike Trains With Defined Pairwise Correlations  
*Ernst Niebur, Daniel Millman*  
 13:55 Nonparametric spike train analysis via resampling  
*Asohan Amarasingham*  
 14:20 Emergence of Cross-Correlation Functions in Neural Spike Interval Distributions  
*Jonathan Tapson*  
 14:55 Discussant: *Markus Diesmann*  
 15:10 Open discussion



# Programme

<b>IPM35</b>	<b>Hall 3B</b>	<b>Spatial Statistics: Recent Advances in Epidemiological Applications</b> <b>IASC</b> Organiser and chair: <i>Elvan Ceyhan</i> 13:00 Space-time mortality risk smoothing using P-splines <i>Maria Dolores Ugarte, Tomas Goicoa, Ana F. Militino</i> 13:05 Space-Time Scan Statistics for Disease Outbreaks <i>Toshiro Tango</i> 13:30 Spatial Clustering of Small Areas with Bayesian Methods <i>Renato Assunção, Alexandra Schmidt, Rosângela Loschi, João Monteiro</i> 14:20 Discussant: <i>Paul Fatti</i> 14:55 Discussant: <i>Aila Särkkä</i> 15:10 Open discussion
<b>IPM56</b>	<b>Hall 6A</b>	<b>Modelling Economic Data to Produce Small Area Estimates</b> <b>IASS</b> Organisers: <i>Mike Hidioglou, Susana Rubin-Bleuer</i> Chair: <i>Mike Hidioglou</i> 13:00 Estimation of Poverty Measures in Small Areas <i>Isabel Molina, J. N. K. Rao</i> 13:05 On some robust estimators for Polish Business Survey <i>Elzbieta Golata, Grazyna Dehnel</i> 14:05 The Use of Sample Design Features in Small Area Estimation <i>Stefano Falorsi</i> 14:35 Discussant: <i>Raymond Chambers</i> 15:05 Open discussion
<b>IPM80</b>	<b>Hall 2A</b>	<b>Measuring fertility</b> <b>GTC</b> 13:00 Organiser and chair: <i>Niels Kieding</i> 13:05 A nation-wide fecundity study based on the current duration and prevalent cohort designs <i>Remy Slama, Aline Bohet, Oluf Hansen, Beatrice Ducot</i> 13:35 Assessing the effect of education on fertility for a cohort of Danish women <i>Mette Gerster, Niels Keiding</i> 14:05 Rates of births and induced abortions in Denmark according to age, previous births and previous abortions <i>Niels Keiding, Marie-Louise H. Hansen, Ditte Moelgaard-Nielsen, Louise Stage</i> 14:35 Open discussion
<b>IPM87</b>	<b>Hall 4B</b>	<b>New methods for improving access to statistics by the general public</b> <b>GTC, IAOS</b> 13:00 Organiser and chair: <i>Siu-Ming Tam</i> 13:05 Innovative Approaches to Turning Statistics into Knowledge - Promoting Informed Decision Making <i>Lars Thygesen, B Sundgren</i> 13:35 Mobile Enabling the ABS Website <i>Andrew Mair, Siu-Ming Tam</i> 14:05 Web 2.0 and Official Statistics: the UK perspective <i>Alan Smith</i> 14:35 Discussant: <i>Nireen Naidoo</i> 14:45 Open discussion

<b>IPM88</b>	<b>Hall 4C</b>	<b>Statistics for Development</b> <b>GTC, IAOS, Local Hosts</b> 13:00 Organiser and chair: <i>Misha V. Belkindas</i> 13:05 Statistics to Support Africa's Special Development Needs <i>Ben Kiregyera, Charles Lufumpa, Michel Mouyelo-Katoula</i> 13:30 Statistical development: An EU/Africa partnership <i>James Whitworth, Pieter Everaers, Maria João Santos</i> 13:55 Financing Statistics for Development Results <i>Graham Eele, Neil Fantom, Mustafa Dinc</i> 14:20 Discussant: <i>Anne Letsebe</i> 14:45 Discussant: <i>Antoine Simonpietri</i> 15:10 Open discussion
<b>IPM96</b>	<b>Hall 5B</b>	<b>Progress, politics and statistics: interactions and implications</b> <b>GTC, OECD</b> Organiser: <i>Jon Hall</i> Chair: <i>Walter Radermacher</i> 13:00 National Time Accounting: The Currency of Life <i>Alan Krueger, Daniel Kahneman</i> 13:05 Development and policy indicators: The role of accountability in a developing state <i>Ronette Engela</i> 13:55 Measuring the Progress of Societies: Statistics & Policy - Statisticians & Policy Makers <i>Jonathan Hall</i> 14:20 TBA <i>François Bourguignon</i> 14:45 Discussant: <i>Grace Bediako</i> 14:55 Discussant: <i>François Bourguignon</i> 15:05 Open discussion
<b>IPM102</b>	<b>Hall 2C</b>	<b>Invited paper meeting in honour of David G. Kendall</b> <b>BS, ISI</b> Organisers: <i>Jef L. Teugels, Wilfrid Kendall</i> Chair: <i>Wilfrid Kendall</i> 15:30 David G. Kendall: his life, his work and his significance for ISI <i>Jef L. Teugels</i> 16:15 David Kendall's Contribution to the Application of Statistics in Archaeology and Related Matters <i>John Clifford Gower</i> 16:55 From Kendall Shape to Radon Shape via Structural Biology <i>Victor Panaretos</i> 17:35 Open discussion
<b>STCPM8</b>	<b>Hall 2E</b>	<b>Copulas</b> Organiser and chair: <i>Jan Swanepoel</i> 13:00 Kernel estimation of copulas <i>Noël Veraverbeke</i> 13:05 Directional Dependence of Survival Truncated FGM Type Modification Copulas <i>Jong-Min Kim, Yoon-Sung Jung, Tim Soderberg</i> 13:55 Bootstrap-based tests for two measures of association <i>James Samuel Allison, Jan Willem Hendrik Swanepoel</i> 14:20 Copula Approximations <i>Mark Dowdeswell</i> 14:55 Discussant: <i>Noël Veraverbeke</i> 15:10 Open discussion



# Programme

<b>STCPM33</b>	<b>Hall 6B</b>	<b>Household Surveys in Africa: New Challenges</b>
13:00		Chair: Organiser and chair: <i>Oliver Chinganya</i>
13:05		A review on HIES and BAIS-II Survey Designs <i>R.Aghunath Arnab, Philip A. E. Serumaga-Zake, Vijai Kumar Dwivedi</i>
13:30		Household Surveys in Africa: A case of Ghana <i>Emma Essie Dzoé Sepah</i>
13:55		Analysis of health care in Africa based on household surveys <i>Naomi Totlego, NP Sinha</i>
14:20		TBA <i>Thapelo Sediadie</i>
14:55		Discussant: <i>Oladejo Ajayi</i>
15:10		Open discussion

<b>STCPM37</b>	<b>Hall 5CD</b>	<b>Restoring Statistical Systems in Post-Conflict Countries</b>
13:00		Organiser and chair: <i>Pall Lehohla</i>
13:05		Statistics and conflict: Case of Sudan <i>Abdelbagi Gailani</i>
13:30		Afghanistan: Conflict and Statistics, Problems and Challenges <i>Abdul Rahman Ghafoori</i>
13:55		Cambodian Statistical System since the downfall of the Khmer Rouge Regime <i>Seng Soeurn</i>
14:20		The Role of Statistics in a Fragile Conflict State <i>Nur Weheliye</i>
14:55		Open discussion

<b>STCPM125</b>	<b>MR 22A</b>	<b>International Statistical Literacy Project</b>	13:00
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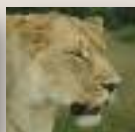
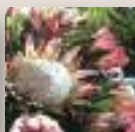
<b>STCPM126</b>	<b>MR 22B</b>	<b>International Statistical Literacy Project</b>	13:00
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<b>STCPM110</b>	<b>MR 11B</b>	<b>Improving the quality of Official Statistics</b>
		Chair: Dion Petersen
13:00		Data Editing - A Way of Improving Survey Quality The Experience from the Balkans <i>Jean-Pierre Ntezimana, Arijana Amina Muhic</i>
13:20		On survey data quality: Use of LogicGem as a tool for quality improvement in processing of household budget surveys <i>James Serwadda-Luwaga, Rodney Khumalo</i>
13:40		Application of the Graphical Editing Techniques to the Mining and Manufacturing Survey Data <i>Euikyoo Lee</i>
14:00		Experiencing the Semper Validation Software: Genuine African solutions for data validation within the International Comparison Program <i>Mathieu Bikou Djayeola</i>
14:20		Continuous Improvement within a Survey Environment to ensure a sound Quality System <i>Paula l'Ons, Anné-Marie Buitendach, Marlize Pistorius, Lomkhosi Dlamini</i>
14:40		The Analysis of the non-response and the out-of-scope cases as a quality management tool for field operations <i>Dion Dhemandra Pietersen</i>

<b>STCPM111</b>	<b>MR 12A</b>	<b>Indicators and Indices</b>
		Chair: <i>TBA</i>
13:00		The Statistical Method Research on Information Consumption Coefficient and Classifying the Levels of Informatization Development <i>Yang Jingying</i>
13:20		Optimal Aggregate Indices and Corresponding Elementary Indices <i>Jens Mehrhoff</i>
13:40		Composite Leading Indicator(CLI) for the Iranian Economic Activities <i>Roya Tabatabaee Yazdi, Fredric Malek, Behzad Mahmoodi</i>
14:00		Research on Indicator System for Estimating Happiness Index <i>Ming Yu, Shengzhi Weng</i>
14h20		Comment on and Analysis of Modernized Life Quality of Fujian <i>Yan Zhou</i>
14h40		A simple approach to statistical indicator creation and management in South Africa - Abstract.doc <i>Luthando Mayekiso</i>

<b>CPM18</b>	<b>Hall 2BH</b>	<b>Experimental design</b>
		Chair: <i>Walter Radermacher</i>
13:00		E(s <sup>2</sup> )-optimal supersaturated designs for 2-level factors based on Hadamard Matrices <i>Kashinath Chatterjee, Feng-Shun Chai</i>
13:20		Locally D-optimal designs for a dose-response model with two explanatory variables <i>Gaetan Kabera, Principal Ndlovu, Linda Haines</i>
13:40		Optimal Designs for Biomedical Research via the World Wide Web <i>Weng Kee Wong</i>
14:00		Efficiency Balanced Block Designs for Diallel Cross Experiments <i>Chand K Midha, Ashish Das, Sudhir Gupta</i>
14:20		Trend-Free Designs in Blocked Factorial <i>P.C. Wang</i>
14:40		On Circuits and Automorphism Groups for Discriminating Three Optimal (4x4)/4 Semi-Latin Square Designs <i>Polycarp Chigbu, Anthony Ekpo</i>





# Programme

<b>CPM30</b>	<b>MR11a</b>	<b>Latent variable modelling</b> Chair: <i>Aysen Akkaya</i>
13:00		Approximating Hidden Semi-Markov Models by Hidden Markov Models <i>Roland Langrock, Walter Zucchini</i>
13:20		The application of hidden Markov models to interval-censored time series <i>Iain MacDonald, Walter Zucchini</i>
13:40		Hierarchical modelling of binary data with dependence between the design and outcome success probabilities <i>David Todem, Karen Patricia Williams</i>
14:00		Statistical Methods for Non-Linear Latent Variables Models: Issues of resource allocation for the development of human capital <i>Linda Hewitt</i>
14:20		Item Response Theory and the development of a rating scale for nonverbal communication <i>Esme Jordaan, Dana Niehaus</i>
14:40		Micro Evidence of Innovation on Competitiveness in 4 China Industrial Sectors: A SEM Model by Using Firm Data <i>Feng Zhen</i>

<b>CPM73</b>	<b>MR11c</b>	<b>Space and time issues</b> Chair: <i>Burcin Emre Ulgen</i>
13:00		Spatio-Temporal Gaussian Models and their level crossings distributions <i>Anastassia Baxevani, Krzysztof Podg'orski, Igor Rychlik</i>
13:20		Filtering problems in spatio-temporal point processes <i>Viktor Benes, Blazena Frcalova</i>
13:40		Inner View of Spatial Autoregression Residuals with LADS and Join-Count Statistics: The Binary Context <i>Joao Negreiros, Marco Painho, Fernando Aguilar, Manuel Aguilar</i>
14:00		Combining Distance and Angle Judgments for Inference from Spatial Memory <i>Steven Marchette, Amy Shelton, Carey Priebe, David Marchette</i>

<b>CPM111</b>	<b>MR12b</b>	<b>Theory and practice</b> Chair: <i>Riona Arjoon</i>
13:00		An Alternative Approach to the Westlake Confidence Interval Method for Bioequivalence Trials <i>Laura Tim</i>
13:20		A Flexible Software Reliability Model with Generalised Weibull Test Effort Function <i>Gopal Govindasamy, Damodaran Duraisamy</i>
13:40		Hierarchical Distances in Corrosion Phases <i>Francisco Casanova Del Angel</i>
14:00		Influence analysis in QTL detection <i>Xiaoling Dou, Satoshi Kuriki, Akiteru Maeno, Toshihiko Shiroishi</i>
14:20		Profit Analysis Of Reliability Models With Inspection At Different levels Of Damages Subject To Weather Conditions And Degradation <i>Suresh Chander Malik</i>
14:40		Application of the mixed effects regression models in measuring the carry-over effects of TV advertising <i>Dong-Hee Lee</i>

<b>STCPM133</b>	<b>MR 22A</b>	<b>Maths4Stats Workshop A 4</b>	15:30
<b>STCPM138</b>	<b>MR 22B</b>	<b>Maths4Stats Workshop B 4</b>	15:30



# Daily Planner

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# Programme

## IPM18 Hall 2E Sustainable Development Indicators - New Challenges IAOS, TIES

- Organisers: *Rosie Fyfe, Rachael Milicich*  
 Chair: *Walter Rademacher*
- 09:00 Sustainable Development Indicators and Environmental  
 09:05 Economic Accounting in Germany  
*Michael Kuhn*
- 09:30 Development Indicators and Accountability Measures  
 on Government Performance in South Africa  
*Kefiloe Masiteng*
- 09:55 Panelist: *Oliver Zwirner*  
 10:20 Panelist: *Rutger de Hoekstra*  
 10:55 Panelist: *Daniela Cocchi*  
 11:10 Open discussion

## IPM51 Hall 2D Recent Developments in Survey Methodology Research - Design and Estimation IASS

- Organiser and chair: *Paul Smith*
- 09:00 Empirical Likelihood Methods for Inference from  
 09:05 Multiple Frame Surveys  
*Changbao Wu, J. N. K. Rao*
- 09:35 Estimation using structural time series models accounting  
 for rotating panel designs  
*Jan Van Den Brakel, Sabine Krieg*
- 10:05 Using Auxiliary Information in the Calculation of Order  
 Statistics and Estimated Totals in a Large Scale  
 Production Environment  
*Claes Andersson*
- 10:35 Discussant: *Phil Kott*  
 11:05 Open discussion

## IPM83 Hall 3B New studies of the association between human health and pollution and their impact in air quality regulation GTC, TIES

- Organiser: *Montserrat Fuentes*  
 Chair: *Larry Cox*
- 09:00 Modeling Chronic Effects of Air Pollution on Children's  
 09:05 Respiratory Health: A Move Towards Integration  
*Kiros Berhane, Jim Gauderman, Duncan Thomas*
- 09:35 Changes in long-term geographical associations of pollution  
 with mortality  
*Gavin Shaddick*
- 10:05 Multidimensional Semiparametric Prediction with Cointegration  
 in errors for Pollution Indicators  
*Wenceslao González Manteiga, María Piñeiro-Lamas,*  
*Manuel Febrero-Bande*
- 10:35 Discussant: *Peter Guttorp*  
 10:45 Open discussion

## IPM98 Hall 5B Issues in the analysis of multivariate data in the spatial domain GTC, IAMG

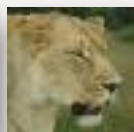
- Organiser and chair: *Eric Grunsky*
- 09:00 Spatial latent variable modeling for integrating output from  
 09:05 multiple climate models  
*William F. Christensen, Stephan R. Sain*
- 09:35 Structuring complex correlations: an overview of multivariate  
 spatial approaches  
*Trevor Bailey, Wojtek Krzanowski*
- 10:05 A Kernel Version of Spatial Factor Analysis  
*Allan A. Nielsen*
- 10:35 Discussant: *Paul Switzer*  
 11:05 Open discussion

## STCPM1 Hall 5CD How to Find Respondents with a Disclosure Risk and What to Do to Protect their Data

- Organisers: *Nancy Gordon, Tommy Wright*  
 Chair: *Jean-Louis Tambay*
- 09:00 Re-identification studies  
 09:05 *Fritz Scheuren*
- 09:30 Assessing disclosure risk under misclassification for microdata  
*Natalie Shlomo*
- 09:55 Hybrid Data from Synthetic Data and Microaggregation  
*Josep Domingo-Ferrer*
- 10:20 Synthetic Data: Combining the Cryptographic and Statistical  
 Disclosure Limitation Approaches  
*John Abowd, Lars Vilhuber*
- 10:55 Subsampling With Synthesis: A New Strategy for Public Use  
 Microdata Files of Census Data  
*Jörg Drechsler, Jerome P. Reiter*
- 11:10 Discussant: *Jerry Reiter*  
 Open discussion

## STCPM69 Hall 6A Advances in Statistical Process Control (SPC) Research

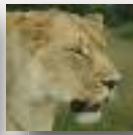
- Organiser: *Marien Graham*  
 Chair: *Nico Crowther*
- 09:00 Process Capability Indices for the Balanced Random  
 09:05 Effects Model  
*Delson Chikobvu, Abrie J Van Der Merwe*
- 09:25 Design and implementation of a Phase I Shewhart-type  
 nonparametric control chart based on the median  
*Marien Graham, Schalk Human, Subhabrata Chakraborti*
- 09:45 A unified approach to the design of Phase I Shewhart-type  
 control charts for location  
*Schalk Human, Subhabrata Chakraborti, Chris Smit*
- 10:05 The effect of non-normality on the performance of the  
 individuals EWMA control chart  
*Pierre Kritzinger, Schalk Human, Subhabrata Chakraborti*
- 10:25 Control Chart for Autocorrelated Processes with Heavy Tailed  
 Distributions  
*Thaga Keoagile*
- 10:45 Discussant: *Schalk William Human*  
 11:05 Open discussion



# Programme

<b>STCPM73</b>	<b>Hall 2C</b>	<b>Gender and energy statistics</b> Organiser and chair: <i>Khamarunga Banda</i> 09:00 Gender disaggregated data for gender and energy audits <i>May Sengendo</i> 09:45 Using the Household Vulnerability Index to explore options for improved gender sensitive development interventions in an impoverished community <i>Tendayi Kureya, Mbuso Jama</i> 10:25 Discussant: <i>Wendy Annecke</i> 11:05 Open discussion	
<b>STCPM127</b>	<b>MR22A</b>	<b>International Statistical Literacy Project</b>	09:00
<b>STCPM128</b>	<b>MR22B</b>	<b>International Statistical Literacy Project</b>	09:00
<b>STCPM134</b>	<b>MR12B</b>	<b>Maths4Stats Workshop A 5</b>	09:00
<b>STCPM139</b>	<b>MR12C</b>	<b>Maths4Stats Workshop B 5</b>	09:00
<b>CPM21</b>	<b>Hall 4B</b>	<b>Clinical Trials</b> Chair: <i>Franz Konecny</i> 09:00 Data Monitoring Committees in Clinical Trials of Disease Prevention <i>Jennifer Schumi</i> 09:20 Multi-treatment optimal response-adaptive designs for phase III clinical trials <i>Atanu Biswas, Saumen Mandal, Rahul Bhattacharya</i> 09:40 Exponential clinical trials: Sequential comparison under asymmetric penalty <i>Saibal Chattopadhyay</i> 10:00 On the need to combine failure time endpoints and the principle of sequentially adaptive designs for facilitating clinical cancer treatment trials in the future <i>Lutz Adler, Christina Wunder</i> 10:20 Statistical considerations to identify appropriate historical controls for rare disease therapies using information generated from the peer-reviewed scientific literature <i>Jeongsook (Jessica) Kim</i> 10:40 Phase I Profile Monitoring for Binary Response <i>Longcheen Huwang, Arthur Yeh, Yu-Mei Li</i>	
<b>CPM38</b>	<b>Hall 4C</b>	<b>Multivariate analysis</b> Chair: <i>Leonardo Trujillo</i> 09:00 LR Test for Additional Information in Multivariate Growth Curve Model <i>Daisuke Watanabe, Yasunori Fujikoshi</i> 09:20 The asymptotic expansion of the distribution of the canonical correlations with monotone incomplete multivariate normal data <i>Tomoya Yamada</i> 09:40 On the variables selection and distributions in principal canonical correlation analysis <i>Toru Ogura, Takakazu Sugiyama</i> 10:00 Matrix derivative and integral <i>Margus Pihlak</i> 10:20 On A Class of Bivariate Weibull and Exponential Distributions <i>N. Balakrishna</i> 10:40 On summary statistics for functional data <i>Tonio Di Battista, Tonino Sclocco</i>	

<b>CPM39</b>	<b>Hall 6B</b>	<b>Demography - contraceptive use</b> Chair: <i>Markus Zwick</i> 09:00 Correlates of Contraceptive use in Southern Africa: Analysis of Lesotho Demographic and Health Survey (LDHS), 2004 <i>Leonard Ahuejere</i> 09:20 The influence of friends on use and choice of contraception among women aged 25 - 44 years in Uganda <i>Susan Kambabazi Lubaale</i> 09:40 Dynamics of Abstinence and Condom Use Among Unmarried Youth Aged 15-24 in Sub-Saharan Africa, Case Study of Mukono and Kabale districts in Uganda <i>Kanzira Brian</i> 10:00 Determinants of Youth Sexual Behavior in Ethiopia: Evidence from EDHS 2005 <i>Sathiya Susuman</i> 10:20 Adolescent sexual behavior in Uganda in the face of HIV/AIDS: Evidence from the African Youth Alliance (AYA) survey 2006 <i>Gideon Rutaremwa</i> 10:40 The New Face of HIV: What New Information Needs to be Given to Young People <i>Viola Nampeera, PrimRose Nassali, Maria Nambiro</i>	
<b>CPM45</b>	<b>Hall 2BH</b>	<b>Statistics in achieving the MDGs</b> Chair: <i>C. S. Hong</i> 09:00 Challenges in the production of statistical data in Africa <i>Kwadwo B. Danso-Manu</i> 09:20 The Burkina Faso Medium Term Expenditure Framework centered on the MDGs <i>Richard Kima</i> 09:40 Maternal health delivery in Zimbabwe during the period 1988 – 2005/6: its implications to achieving the MDG (5) <i>Winfieldah Muroka, Nicholas Jonga</i> 10:00 Assessing the Role of Statistics in the Progress of Achieving the 4th Millennium Development Goal, Cutting Under 5 Mortality by Two Thirds Between 1990 and 2015. A Case Study of Uganda. <i>Peninah Mutuneh</i> 10:20 Assessing the Progress of MDG#4- Infant Mortality in Uganda <i>Peninah Mutuneh</i>	
<b>CPM56</b>	<b>MR11B</b>	<b>Access to statistical information</b> Chair: <i>Tapiwa Jhamba</i> 09:00 Use of Time Series Analysis as a Alternative Methodology in Estimating Values of Missing Data <i>Lourdes Homecillo</i> 09:20 Dissemination of Survey Results to the Public <i>Adetoun Imolehin</i> 09:40 The Use of Web Analytics at StatsOnline <i>Bhupendra Suraj Narayan</i> 10:00 Confidentiality and Data Access in the Web2.0 World <i>Donald McIntosh</i> 10:20 Methodological aspects assuring remote access to German business microdata <i>Rainer Lenz, Markus Zwick</i> 10:40 On the time series variation of microdata disclosure risk <i>Nobuaki Hoshino</i>	



# Programme

<b>CPM58</b>	<b>MR11C</b>	<b>Statistical management of health information</b> Chair: <i>Sahm Kim</i>
09:00		Structured Expert Elicitation and its uses in Rare, and Emerging Disease Modeling and Public Health <i>Risk Assessments</i> <i>Susie ElSaadany, Daniel Krewski, Angela Catford, Michael Tyshenko</i>
09:20		Time Series Model for Estimating the Death Rate of Emerging and Re-emerging Disease <i>Dahud Kehinde Shangodoyin</i>
09:40		Application of Intervention Analysis of Incidence Cases of HIV Infection in Ghana <i>Patrick Aboagye-Sarfo, Jame Cross, Ute Mueller</i>
10:00		An Investigation into the Humanitarian Logistics emanating from the distribution of the HIV virus in Zimbabwe <i>Kelvin Tonderai Chirenje</i>
10:20		Case-mix adjustment of Hospital Standardized Mortality ratio <i>Samuel Dua Odoro, Amy Mckean</i>
<hr/>		
<b>CPM116</b>	<b>MR12A</b>	<b>Non and semiparametrics</b> Chair: <i>Vincent Parker</i>
09:00		Reparametrization of the Least Favorable Submodel in Semi-Parametric Multi-Sample Models <i>Yuichi Hirose, Alan Lee</i>
09:20		Parameter estimation and Iterative Algorithms in intraclass model <i>Dong Wang</i>
09:40		Distributions of LULU smoothers on multi-dimensional arrays <i>Ingrid Fabris-Rotelli c</i>
10:00		Discrete-Time Scale Invariant Markov Processes <i>Navideh Modarresi, Saeid Rezakhah</i>
10:20		Detecting Semi-Parametric Changes of General Casual Models <i>Kengne William Charky, Bardet Jean-Marc</i>
10:40		Functional instrumental regression <i>Jean-Pierre Florens, Sébastien Van Bellegem</i>
<hr/>		
<b>IPM1</b>	<b>Hall 1</b>	<b>President's Invited Papers Meeting</b> Chair: <i>Denise Lievesley</i>
13:00		Migration as a Social Determinant of Health in Africa: Challenges and Opportunities <i>Madame Ndiaro Ndiaye (Senegal)</i>
14:00		Open discussion TBA
14:15		<i>Mr Trevor Manuel</i>
15:00		Open discussion





Posters will be exhibited in the poster session area which is situated in Hall 4AD and 5AD in the Exhibition Hall. Poster presenters will stand by their posters on Monday evening during the 'Networking Cocktail'. In addition, authors of even-numbered posters will stand by their posters on Tuesday from 11:30 to 12:30 and odd numbered posters on Thurs 11:30 to 12:30.

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|--|---|--|---|
| <p>1 <b>Robust Likelihood Inferences for Multivariate Correlated Count Data</b><br/><i>Tsung-Shan Tsou</i></p> <p>2 <b>Approximations of percentile point of individual latent root on Wishart distribution</b><br/><i>Takakazu Sugiyama, Toru Ogura</i></p> <p>3 <b>Statistical Relationship between Dietary Intake Rich in Beta-Carotene and the Decrease of some form of Cancer</b><br/><i>Johana Rosaly Valera</i></p> <p>4 <b>A view from the graphic model of the Survey of Tourist Satisfaction</b><br/><i>Paula Lorena Naidicz De Fridrij, Victor Fabio Lazarte, Ana Maria Sfer</i></p> <p>5 <b>Analysis of the Wikipedia corpus via asymmetric k-medoids clustering</b><br/><i>Hiroshi Yadohisa, Kenji Hatano, Akinobu Takeuchi,</i></p> <p>6 <b>A Good Paretian Fit; But Why?</b><br/><i>Evdokia Xekalaki</i></p> <p>7 <b>Statistical inference for functional relationship between the specified and the remainder populations</b><br/><i>Yasutomo Maeda</i></p> <p>8 <b>Testing the skewness of distribution</b><br/><i>Jerzy Korzeniewski, Czeslaw Domanski</i></p> | <p>9 <b>Bayesian overdispersed models for spatial age-specific data</b><br/><i>Giovani Silva, Charmaine Dean</i></p> <p>10 <b>An approximation for the group conditional error rates of the naive Bayes classifier</b><br/><i>Fabrizio Leisen, Stella Salvatierra</i></p> <p>11 <b>A new parametric Bayesian approach for cytogenetic dosimetry</b><br/><i>Carlos Daniel Paulino, Giovani Silva, Márcia Branco</i></p> <p>12 <b>Shrinkage Estimation Versus Lasso</b><br/><i>S. Ejaz Ahmed</i></p> <p>13 <b>Univariate Multiple Regression Model Selection - An Information Criterion Procedure</b><br/><i>Zakaria AL-Jammal</i></p> <p>14 <b>Misspecification Effects on Pseudo-R-squared Measures of Logistic Regression Models</b><br/><i>Saengla Chaimongkol</i></p> <p>15 <b>Bias in a binary risk behaviour model subject to inconsistent reports and dropout in a South African high school cohort study</b><br/><i>Perpetual Chikobvu, Carl Lombard, Alan Flisher, Gary King</i></p> <p>16 <b>Two-term Edgeworth expansions of the distributions of fit indexes under fixed alternatives in covariance structure models</b><br/><i>Haruhiko Ogasawara</i></p> | <p>17 <b>Modelling of Economically Active Population Data Using Skew Elliptical Density</b><br/><i>Akinlolu Olusunde</i></p> <p>18 <b>New selection procedure for cluster analysis</b><br/><i>Jerzy Korzeniewski</i></p> <p>19 <b>Some Corrections of the Score Test Statistic for Gaussian ARMA Models</b><br/><i>Lucia Barroso, Bernardo Lagos, Pedro Morettin</i></p> <p>20 <b>Analysis of Trend of Youth Researchers in Venezuela</b><br/><i>Jhoner Luis Perdomo Vielma, Johana Rosaly Valera Puche</i></p> <p>21 <b>Comparison between two methods of reduction of dimensionality in time series</b><br/><i>Hanwen Zhang</i></p> <p>22 <b>Convergence of Non-Homogeneous Versions of the MCEM and STEM Algorithms: A Statistical Analysis of Differences in Mental Lexicon between Native and Non-Native English speakers</b><br/><i>Chang C.Y. Dorea, Daniele S.B. Martins Neto</i></p> <p>23 <b>Currency Pair Price Forecast Using Moving Averages</b><br/><i>Gbenga Arotiba</i></p> <p>24 <b>Demand Forecasting Using Models ARIMA and Artificial Neural Networks (ANNS) Models</b><br/><i>Maria Emilia Camargo, Walter Priesnitz Filho, Angela Isabel dos Santos Düllius, Guilherme Cunha Malafaia</i></p> <p>25 <b>Time Series Analysis on the Ethiopian Canvas and Shoe Factory</b><br/><i>Solomon Wordofa Telila</i></p> | <p>26 <b>Stochastic Optimisation Model for Monitoring HIV/AIDS</b><br/><i>Ronald Wesonga, Peter Jehopio, Xavier Mugisha</i></p> <p>27 <b>Evaluation of Factors Affecting the Chance of Survival/Death Status of HIV Patients under the Antiretroviral Treatment Program: The Case of Adama Hospital</b><br/><i>Nuredin Mohammed</i></p> <p>28 <b>Comparisons of Alternative Methods in Survival Analysis</b><br/><i>Mesut Akyol, Selim Yavuz Sanisoglu, Atilla Halil Elhan</i></p> <p>29 <b>Simulation of Censored Survival Data</b><br/><i>Jiri Zelinka, Ivana Horova, Zdenek Pospisil</i></p> <p>30 <b>Estimation of the Parameters of the Birnbaum-Saunders Fatigue Life Model Using the Skew-Normal Distribution</b><br/><i>Fildor Vilca Labra, Lucia Santana Rolim, Victor Leiva, N. Balakrishnan Balakrishnan</i></p> <p>31 <b>Confidence Interval for the Kullback-Leibler Divergence to Asses Individual Bioequivalence</b><br/><i>Cicilia Yuko Wada</i></p> <p>32 <b>Measurement Errors Model and Test of Homogeneity in Some Predator-Prey Systems</b><br/><i>Sévérien Nkurunziza</i></p> <p>33 <b>Proposals of Eco Structures obtained from Juvenile Wood</b><br/><i>Ramona Elena Dumitrascu</i></p> <p>34 <b>Comparing Hydraulic Conductivity through Both Inverted Auger Hole and Constant Head Methods</b><br/><i>Babak Amirataee</i></p> |
|--|---|--|---|



- 35 **The Introduction and Usage of HYDRA Model in Investigation of Storm Drain Systems Function**  
*Babak Amirataee*
- 36 **Productivity change of Italian Firms: an Analysis of Panel Data Using Log Linear Models**  
*Gianni Marliani, Laura Grassini*
- 37 **Marshall-Olkin Frechet distributions and minification processes**  
*Alice Thermadom, Jose Kanichukattu*
- 38 **Stochastic modeling of the geological structure of South Africa**  
*KB Boomer, Richard Brazier*
- 39 **Wavelets-based Estimation of Nonlinear Canonical Analysis**  
*Mouhamed Amine Niang, Aliou Diop, Guy Martial Nkiet*
- 40 **Studying common variation patterns in different types of data obtained in systems biology, using methods based on latent variables**  
*Sahar Hassani, Harald Martens, Grethe Iren Borge, Mohamed Hanafi*
- 41 **Regression and Correlation. An Approach of Teaching for Understanding**  
*Héctor Rubio Scola, Teresita Terán*
- 42 **Statistical Quality Control based in Shewhart charts and Kalman Filter**  
*Maria Emilia Camargo, Walter Priesnitz Filho, Suzana Leitão Russo, Angela Isabel dos Santos Düllius*
- 43 **Model ARIMA (p,d,q) and Chart Shewhart: An application in Quality Process Control**  
*Walter Priesnitz Filho, Maria Emilia Camargo, Angela Isabel dos Santos Düllius, José Mauricio Carré Maciel*
- 44 **Control Charts for the Coefficient of Variation**  
*Marta M Ruggieri, Marta B Quaglino, Jose A Pagura, Cristina Barbiero*
- 45 **Orientation for Developing Circular Economy in Fujian**  
*Fukun Zhang, Ming Yu*
- 46 **Sustainable Development in the context of Rapid Urbanization**  
*Markandey Rai*
- 47 **Data Management, Design and Analysis Challenges in The Prevention of Perinatal Sepsis (PoPs) Randomized Control Trial, Soweto, South Africa**  
*Locadiah Kuwanda, Clare Cutland, Shabir Madhi*
- 48 **Knowledge of Problems Faced by Mothers at the time of Delivery in Uganda: A case study of mothers in Ssisa sub county**  
*Dorothy Mubuuke*
- 49 **Explaining fertility decline in urban areas of Uganda using Bongaarts model**  
*Benard Barasa Macho, Angellah Nantume, Patrick Ssendagire, Joseph Agaba*
- 50 **An approach to the Child Domestic Work in Brazil**  
*Nádia Coelho*
- 51 **Les obstacles & agrave; la lutte contre le VIH/Sida au Burkina Faso: Les raisons profondes du non deacute; pistage volontaire**  
*Lougue Siaka*
- 52 **Analytical Investigation of Gender Issues in Education, Economic Activities, Household Characteristics in Uganda**  
*Lydia Nyirabasabose*
- 53 **Life Transitions of Young Women and the Influence of Older Sisters: Adolescent Sexual Behavior and Childbearing in South Africa**  
*Crystal Munthree*
- 54 **Impact of Participation of Children in Economic Activities and Some Characteristics of Parents on their Educational Performance in Ethiopia**  
*Samuel Abera Zewdie*
- 55 **Classes de mesures de pauvreté parfaites: approches axiomatiques et asymptotiques**  
*Diam Bah*
- 56 **Poverty in SA: focusing on informal settlements in the Western Cape**  
*Vuyiswa Mgweba, Vanessa Weiner*
- 57 **Social Program Impact in the Employment of the Youth**  
*Ana Maria Sfer de Grande*
- 58 **Impact of HIV/AIDS in the workplace in South Africa**  
*Anele Sigcau, Zuko April*
- 59 **Determination of creative organizational culture factors: Research of a training hospital**  
*Cesim Demir, Ekrem Cengiz, Abdulkadir Teke, Bayram Sahin*
- 60 **Continuous Quality Improvement for Service Enhancement of Registered Nurses in Fort Prachaksin-lapakom Hospital Udonthani Province Thailand**  
*Thanamontachanok Charoensawat*
- 61 **The assessment of health information systems in South Africa**  
*Seretloane Mabitsela*
- 62 **Does two year rural service following undergraduate medical training increase retention of graduates working in rural areas?**  
*Ramya Iyyadurai, Surekha Viggewarpu, Anand Zachariah*
- 63 **Academic Managers' Organizational Commitment and Turnover Intention in a Military Training Hospital**  
*Mevlut Karadag, Abdulkadir Teke, Cesim Demir, Mesut Akyol*
- 64 **Impact des conditions environnementales sur la migration interne au Burkina Faso**  
*Lougue Siaka*
- 65 **Analyse comparative de la pauvreté à partir des Etudes Ecoloc: le cas de Koudou et Tenkodogo au Burkina Faso**  
*Kouassi Hugues Kouadio*
- 66 **Perceptions & Attitudes of Hard to Count Communities in South Africa**  
*Azam Khan*
- 67 **Sources, Uses and Challenges of International Migration Statistics in Southern Africa**  
*Josephine Chewe*
- 68 **A Quantile Regression Analysis of the Public-Private Sector Pay Gap in Uganda**  
*Judith Nuwomuhwedzi*
- 69 **Statistical 'How To' for Researchers in Developing Countries Gbeminiyi Odina**  
*Rotimi Kayode Ogundeji*



- 70 **An Integrated Regional Statistical System for the Economic Commission of West African States (ECOWAS)**  
*Dallah Hamadu*
- 71 **The Effect Of Job Satisfaction On Organizational Commitment And Intention To Leave: an Application in GMMF Training Hospital**  
*Ozay Celen, Cesim Demir, Abdulkadir Teke, Mesut Akyol*
- 72 **Vehicular Traffic Series for the Rosario-Victoria Connection**  
*Alicia Picco, María Angélica Ferrandi, María Florencia Alvarez Picco*
- 73 **Validation Processes in Mobility Surveying**  
*María Angélica Ferrandi, Alicia María Picco, U, Santiago Tazzioli*
- 74 **From The System of National Accounts (SNA) To a Social Accounting Matrix (SAM) - Based Model. An Application to Portugal**  
*Susana Santos*
- 75 **A simulated approach for study of Coupled Financial Price Models**  
*Kamal Boukhetala*
- 76 **The Evaluation Model of the Sustainable Development Capacity by EKC**  
*Ping Jiang, Zhijie Zhu*
- 77 **The Effects of Climate Change and Microeconomic Policy**  
*Rong Zhao, Dema Huang, Wanbiao Wu*
- 78 **Estimation of the equilibrium interest rate: Case of CFA zone**  
*Latif Dramani*
- 79 **Two-way joining in optimization of international market strategies**  
*Vladimir Afanasiev, Viacheslav Lyubchich*
- 80 **Survey Response Across Various Levels of Response Predictors in Some Selected Communities in Oyo State of Nigeria**  
*Olaniyi Olayiwola, G.N Amahia*
- 81 **Improving the listing process in informal areas**  
*Carl Phillip Fredericks, Birthlin Fredericks*
- 82 **Roles and challenges in dissemination of official statistics: A South African case**  
*Phillip Ralehlaka*
- 83 **HIV Prevalence in Tanzania and the challenges faced on the data sources**  
*James Muhoji Kitambara*
- 84 **Food sampling plans to ensure safety**  
*Yoshiki Tsukakoshi, Takahiro Watanabe, Rieko Matsuda*
- 85 **Calibration estimators for treatment of non-response in ratio estimation - a case study**  
*Ana Milena Salamanca*
- 86 **Sample Design for the South African Labour Force Survey**  
*Johannes Ngoako Mokgerepi, Princess Lekhondlo Ramokolo*
- 87 **Regional Division and Statistics in China**  
*Peng Zhang*
- 88 **Comparison of Methods for Variance Estimation Using 2001 NHIS data from Taiwan**  
*Hsing-Yi Chang, Xin-Ying Tsai, Jeng-Fu Liu, Chieh-Yu Liu*
- 89 **U.S. and International Data for Social Scientists and Policy Makers**  
*Patricia Kelly Hall*
- 90 **Female Genital Cutting in Burkina Faso**  
*Bonkougou Zakaliyat*
- 91 **Mortalité maternelle des jeunes mères au Burkina Faso: quelle particularité?**  
*Bonkougou Zakaliyat, Zida/Bangré Hélène*
- 92 **Structure des Menages et Mortalite Dans L'enfance au Burkina Faso: Mesurer le Progres des OMD**  
*Bonkougou Zakaliyat, Zida/Bangre Hélène*
- 93 **Under Five Mortality in Democratic Republic of Congo**  
*Tumwaka Madungu*
- 94 **Analysis of the polyvalence of SORTA drivers: A case of GROUP SOTRA**  
*Massé Dosso*
- 95 **La mesure du travail féminin au Burkina Faso**  
*Lonkila Moussa Zan*
- 96 **Le développement du système statistique au Burkina Faso: rôles et défis de l'INSD**  
*Lonkila Moussa Zan*
- 97 **Les enjeux des statistiques agricoles au Burkina Faso**  
*Lonkila Moussa Zan*
- 98 **Les enquêtes 123 dans la construction des comptes économiques locaux: expériences du programme ECOLOC**  
*Hugues Kouadio*





# Administrative Meetings

## Admin Meeting Schedule: Closed Meetings

### Sunday 16 August

ISI Boardroom	10:00 - 13:00	ISI Joint EC meeting
ISI Boardroom	14:00 - 15:00	ISI Finance Comm. meeting
Hall 2C	15:00 - 16:30	Irving Fisher Comm. meeting

### Monday 17 August

ISI Boardroom	07:30 - 09:00:	Joint meeting of the ISI General Topics Comm. & Programme Co-ordinating Comm. for the 58 <sup>th</sup> Session, together with representatives of Outgoing Programme Co-ordinating Comm. for the 57 <sup>th</sup> Session, as well as both Local Programme Comm. Chairs
Nelson Mandela Suite	07:30 - 09:00:	ISI Member Auditors
Section Boardroom	07:30 - 09:00:	IASE/ICMI Project Meeting
Albert Luthuli Boardroom	07:30 - 09:00:	Mahalanobis Comm.
MR 22D	07:30 - 09:00:	East Asia Outreach Comm.
Albert Luthuli 4	11:15 - 13:00	ISI Nominations Comm. I
ISI boardroom	11:15 - 13:00	ISI General Topics Comm. I
Section Boardroom	11:15 - 13:00	IAOS Exec. Comm.
Albert Luthuli 2	11:15 - 13:00	BS East Asian & Pacific Regional Comm.
Albert Luthuli 5	11:15 - 13:00	BS European Regional Comm.
Albert Luthuli 3	11:15 - 13:00	BS Comm. for Stochastic Sciences Institutes
Albert Luthuli 1	11:15 - 13:00	SCORUS Meeting
Nelson Mandela Suite	11:15 - 13:00	IASS Council Meeting
Albert Luthuli Boardroom	11:15 - 13:00	IASE Executive Comm.
MR 22D	11:15 - 13:00	ISI Comm. on Professional Ethics

### Tuesday 18 August

MR 22D	07:30 - 09:00	ISI Programme Co-ordinating Comm. I
ISI Boardroom	07:30 - 09:00	ISI Comm. on Risk Analysis
Albert Luthuli 3	07:30 - 09:00	Country Rep. Mtg. (Women in Statistics Comm.)
Albert Luthuli 2	07:30 - 09:00	Life Sciences Comm.
Albert Luthuli 4	07:30 - 09:00	Khawarezmi Comm.
Albert Luthuli 1	07:30 - 09:00	Marco Polo Travel & Tourism Comm.
Nelson Mandela Suite	07:30 - 09:00	IASE International Statistical Literacy Comm.
Albert Luthuli Boardroom	07:30 - 09:00	ISI Service Certificates Review Comm.
Albert Luthuli 5	11:15 - 13:00	IAOS Programme Comm.
ISI Boardroom	11:15 - 13:00	IASE Programme Comm.
Section Boardroom	11:15 - 13:00	IASC Programme Comm.
Nelson Mandela Suite	11:15 - 13:00	IASS Programme Comm.
Albert Luthuli Boardroom	11:15 - 13:00	ISBIS Programme Comm.

Albert Luthuli 1	11:15 - 13:00	TIES Programme Comm.
Albert Luthuli 4	11:15 - 13:00	History of Statistics Comm.
MR 22D	11:15 - 13:00	Women in Statistics Comm.

### Thursday 20 August

MR 22D	07:30 - 09:00	IAOS General Assembly
ISI Boardroom	07:30 - 09:00	BS Council Meeting
Section Boardroom	07:30 - 09:00	ISBIS Executive Comm.
Albert Luthuli Boardroom	07:30 - 09:00	Agricultural Statistics Comm.
MR 22D	11:15 - 13:00	BS Comm. for Probability & Statistics in the Physical Sciences
Nelson Mandela Suite	11:15 - 13:00	IASC Council Meeting
Albert Luthuli Boardroom	11:15 - 13:00	Sports Statistics Comm.
Albert Luthuli 4	11:15 - 13:00	ISI Nominations Comm. II
ISI Boardroom	11:15 - 13:00	ISI Publications Comm.
Section Boardroom	11:15 - 13:00	Bernoulli Editorial Board Meeting

### Friday 21 August

Nelson Mandela Suite	07:30 - 09:00	IASS Executive Comm.
Albert Luthuli Boardroom	07:30 - 09:00	ISBIS Council Meeting
Section Boardroom	07:30 - 09:00	BS Programme Comm.
ISI Boardroom	07:30 - 09:00	SERJ Editorial Board
Albert Luthuli 4	11:15 - 13:00	ISI Nominations Comm. III
ISI Boardroom	11:15 - 13:00	ISI General Topics Comm. II
Section Boardroom	11:15 - 13:00	IASC ERS BoD
Albert Luthuli 5	11:15 - 13:00	Publications ISR Sub-Comm.

### Saturday 22 August

Section boardroom	07:30 - 09:00	BS Executive Comm.
ISI boardroom	07:30 - 09:00	PARIS21
ISI boardroom	11:15 - 13:00	Environmetrics Editorial Board
Section boardroom	11:15 - 13:00	ISI Programme Co-ordinating Comm. II
MR 22D	11:15 - 13:00	IASE ICOTS-8 Programme Comm.



# Administrative Meetings

## **Admin meeting schedule: Open meetings**

### **Monday 17 August**

Hall 6A 11:15 - 13:00 SA Statistical Association AGM

### **Tuesday 18 August**

Hall 2H 11:15 - 13:00 BS General Assembly  
MR 11C 11:15 - 13:00 IASE Open Meeting (SERJ/IASE)  
Hall 2A 11:15 - 13:00 Open Meeting of National Statistical Societies & Comm. for the Strengthening of Co-operation between the ISI & Statistical Societies

### **Thursday 20 August**

Hall 2H 07:30 - 09:00 IAOS General Assembly  
MR 22C 07:30 - 09:00 Global Adult Tobacco Surveillance with special focus on Africa Open Meeting

Hall 2D 11:15 - 13:00 IASE General Assembly  
Hall 2BC 11:15 - 13:00 ISI & African Statisticians Mtg.

### **Friday 21 August**

Hall 2H 07:30 - 09:00 TIES Open Meeting for Interested Participants  
Hall 2A 07:30 - 09:00 IASE Open Meeting for ISLP

Hall 2D 11:15 - 13:00 IASS General Assembly  
Hall 2C 11:15 - 13:00 Open Meeting of the Astrostatistics Interest Group

### **Saturday 22 August**

MR 21A 07:30 - 09:00 ISBIS General Assembly  
Hall 2D 11:15 - 13:00 IASC General Assembly  
MR 11A 11:15 - 13:00 Open Meeting of the Special Interest Group on Forensic Statistics  
MR 11C 11:15 - 13:00 Open Meeting of the ISI Committee on Professional Ethics

# Statistics: Our Past, Present & Future



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