



Thursday

IPM 6

Hall
6B

Stochastic Geometry with Applications

BS

Organiser and chair: *Viktor Benes*

09:05 [Random Sets and Quantitative Finance](#)

Ilya Molchanov, Michael Schmutz

09:30 [Invariant transports of stationary random measures](#)

Guenter 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

Programme
Thursday

B



IPM 15

**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: *Munir Sheikh, John Kovar*

10:25 Panelist: *Sastry Pantula*

10:45 Panelist: *Tertius de Wet*

11:05 Open discussion

IPM 53

**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

IPM 84 Hall 2C Spatial modelling of large and disparate environmental datasets

GTC, TIES

Organiser: *Montserrat Fuentes*

- 09:00 Chair: *Gavin Shaddick*
- 09:05 [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



IPM 92 **Hall 5C** **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 Discussant: TBA

11:05 Open discussion

IPM 93 **Hall 2D** **Statistics in Africa**

Local Hosts

Organiser: *Miranda Mafafo*

09:00 Chair: *Pali Lehohla*

09:05 [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 Rytén

11:05 Open discussion

IPM 95

**Hall
2A Adversarial Risk Analysis**

GTC, Risk Analyses Committee

Organiser: *David Banks*

09:00 Chair: *David Banks*

09:05 [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



STCPM 3 **Hall 5B** **The 2010 round of Population and Housing Census: innovations and challenges in developing countries**

- 09:00 Organiser and chair: *Jean-Michel Durr*
- 09:05 [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

STCPM 21 **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

STCPM 40 **MR** **Surveys Theory and Methodology**
11A

- Yoko Chhana or Ariane Neethling*
- 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 Gathundu, Peter Mwita



10:15 [Hot-Deck Imputation and its effect on variance estimation with reference to Quarterly Labour Force Survey](#)

Muthetho Solomon Nkwinika, Liesbeth Roberts

10:40 [Nonparametric Imputation Methods With Data Missing At Random](#)

Philip Cheng, Jianhui Ning

STCPM 68

**MR
12B**

Causes of death issues

Stats SA COD expert

09:00 [The extent of misclassification of causes of death: a case study of Emalaheni 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*

09:00 Chair: *Carey Priebe*

09:05 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

STCPM 86

**Hall
3B**

Economic and Financial Crises, Threat or Opportunity for Official Statistics?

09:00 Moderator *Gabriel Gamez*

09:05 Panelist: *Pieter Everaers*

09:30 Panelist: *Jonathan Palmer*

09:55 Panelist: *Richard Walton*

10:20 Panelist: *Hallgrinur Snorrason*

Programme
Thursday

B



10:55 Panelist: *Eduardo Nunes*

11:10 Open discussion

STCPM 92

**Hall
2E**

Statistical models in agriculture and ecology

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 Laene M de Carvalho



STCPM 118 **MR** **International Statistical Literacy Project**
22A

09:00

STCPM 119 **MR** **International Statistical Literacy Project**
22B

09:00

CPM 31 **Hall** **Extreme value distributions**
1b

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

09:20 [On empirical estimation of ruin probabilities using integrated tail distributions](#)

Kalev Pärna

09:40 [Spike train surrogates based on dithering in operational time](#)

Markus Diesmann

10:00 [Kernel estimators for the second order parameter in extreme value statistics](#)

Yuri Goegebeur

10:20 [Analysis of Wind-Generated Wave Fields from Light Transmission Data](#)

Mayukh Samanta

Programme
Thursday





10:40 [A Statistical Technique for Monoisotopic Peak Detection in a Mass Spectrum](#)
Susmita Datta

CPM 47

**Hall
6a** **Integrated statistical systems**

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 Colledge

10:00 [Moving towards an integrated sample design approach for social surveys conducted by Statistics New Zealand](#)
Gareth Minshall

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 Dombia

Programme
Thursday

B



CPM 48

**MR
11b**

Poverty studies

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

10:00 [Profiling South African Middle Class Households: 1998-2006](#)

Mosidi Nhlapo

10:20 [Assets and Capabilities Poverty in South Africa](#)

Sandile Elvis Simelane

CPM 61

**MR
11c**

Statistics in Finance

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



09:40 **Idiosyncratic and Systematic Risk in Emerging Capital Markets: BRIC Evidence**

André Salles

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

CPM 98

**MR
12C**

Sampling issues

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

09:20 **Preliminary estimates for a sub-period of reference in a continuous survey**

Jorge Saralegui-Gil

09:40 **The estimation process for welfare measures under complex sampling**

Ariane Neethling

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

10:40 [Estimation and Inference in Structural VAR Models with a Nearly Stationary process](#)

Patrick Feve

CPM 107

**MR
12a**

Households and employment

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

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

IPM 7

**Hall
6a** **Concentration inequalities**

BS

13:00 Organiser and chair: *Sara van de Geer*

13:05 [Concentration of the empirical risk](#)

Pascal Massart

13:35 [Lipschitz functions and concentration](#)

Colin McDiarmid

14:05 [Applications of Concentration Inequalities in Graph Colouring Via The Probabilistic Method](#)

Bruce Reed

14:35 Discussant: Emmanuel Candes

15:05 Open discussion

Programme
Thursday

B



IPM 16 **Hall 2D** **Comparing Poverty and Prices across National Boundaries - the ICP Programme and Poverty PPPs**

IAOS, IASS, Local Hosts

- 13:00 Organiser and chair: *Fred Vogel*
- 13:05 [The Experimental Practice in Intra-country Comparison of China](#)
Wen Jianwu, Shi Ting, Wang Lei
- 13:35 [ICP-CPI: Using the SPD method to bridge the quality gap](#)
Abdoulaye Adam, Mathieu Djayeola
- 14:05 [Efficiency of the Core Product List in International Comparisons](#)
Yuri Dikhanov
- 14:35 [The impact of ICP participation on statistics - a country perspective](#)
Joe De Beer
- 15:05 Open discussion

IPM 27 **Hall 4C** **Uncertainty in Statistical Matching**

IASC, IASS

- Organisers: Mauro Scanu, Tomas Aluja-Banet
- 13:00 Chair: *Fritz Schren*
- 13:05 [Uncertainty intervals for nonidentifiable parameters in statistical matching](#)
Marco Di Zio, Marcello D'Orazio, Mauro Scanu



13:35 [Regression-Based Statistical Matching: Past, Present, and Future](#)

Chris Moriarity

14:05 [How useful are uncertainty bounds? Some recent theory with an application to Rubin's causal model](#)

Hans Kiesel, Susanne Rässler

William Winkler

14:35 Discussant: Fritz Scheuren

15:10 Open discussion

IPM 76

Hall 2A Challenges and new advances of large dimensional failure time data analysis with applications in population sciences

GTC, LS

13:00 Organiser and chair: *Yi Li*

13:05 [Nonparametric Estimation of the Bivariate Survivor Function](#)

Ross Prentice

13:30 [Variable Selection for failure time data via penalized pseudo-likelihood](#)

Jianqing Fan, Runze Li, Jianwen Cai, Haibo Zhou

13:55 [Uncovering Symptom Progression History from Large Disease Registries, with Application to Young Cystic Fibrosis Patients](#)

Jason Fine, Jun Yan, Yu Cheng, Hui-Chuan Lai

14:20 [Statistical Methods for Genetic Risk Estimation of Rare Complex Genetic Diseases](#)

Malka Gorfine, Li Hsu



14:45 Discussant: Els Goetghebeur

14:55 Open discussion

IPM 85

**Hall
2C**

Mesoscale studies of temperature trend

GTC, TIES

13:00 Organiser and chair: *Robert Lund*

13:05 [Accounting for Changepoints in Temperature Series](#)

Colin Gallagher

13:35 [USA Changepoint Adjusted Temperature Trends](#)

Qiqi Lu

14:05 [Past Temperature Reconstruction Using a Bayesian Hierarchical Model](#)

Bo Li

14:35 Discussant: *Lynne Seymour*

15:05 Open discussion

Programme
Thursday

B



STCPM 4

**Hall
5B**

Innovative Methods for the 2010 Round of Population Censuses

13:00 Organiser: *Dave Dolson*

13:05 Chair: *David Whitford*

13:30 [The joint pilot tests on disability for 2010 Population Census Round in three Latin American Countries](#)

Alicia Bercovich

13:55 [Effective Control Systems in a Multimode Census Data Collection Methodology](#)

David Dolson

14:20 [The French population census: first elements of evaluation of the rolling census](#)

Olivier Lefebvre

14:55 [The evaluation of the capturing system using scanning technology: Challenges in measuring completeness and quality of Census data processing in South Africa](#)

Jean-Marie Hakizimana

15:10 [Coverage Improvement and Measurement in the U.S. 2010 Census: Innovation in Response to Census 2000](#)

David C. Whitford

Open discussion



STCPM 15

**Hall
4B**

Coordination of international statistical activities

Organisers: *Pieter Everaers, James Whitworth*

13:00 Chair: *Pieter Everaers*

13:05 [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

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

STCPM 39

**MR
11A**

Public Health Issues in Africa: The Challenges of Evidence for Monitoring & Evaluation

Temesgen Zewotir

13:00 [Impact of HIV/AIDS on Development in Sub-Saharan Africa](#)

James Ntozi

Programme
Thursday



- 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*

STCPM 53

Hall 5c Impact of Social Security and HIV/ AIDS on Household Formation

- 13:00 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

Programme
Thursday



STCPM 81

**Hall
3B**

Analysis of Panel Data

- 13:00 *Chair: Niholas Nsowah-Nuamah*
- 13:05 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

Programme
Thursday

B



STCPM 82

**Hall
2E**

Business Registers and the use of administrative data

- 13:00 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 Cerovine, 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
Thursday



STCPM 84 **Hall 6B** **Use of administrative data**

- 13:00 **Organiser and chair:** *Michael Colledge*
- 13:05 Utilizing and Alternative Sampling Frame to Produce Agricultural Survey indications
James Mark Harris, Wendy J. Barboza
- 13:25 Register-based Statistics versus Sample Statistics Case: Finnish statistics on the finances of agricultural and forestry enterprises
Hannu Maliniemi
- 13:45 Project to use administrative registers for the Spanish household survey on income and living conditions
Jose Maria Mendez
- 14:25 Role of the data of administrative sources in the development of the statistics
Felicien Donat Edgar T Accromnessy
- 14:45 Vital Registration and Other Administrative Records Use in Uganda, A Case of Churches
Gloria Waithira Mathenge
- 15:05 Open discussion



STCPM 95 **MR** **Sports statistics 2**
12A

TBA

13:00 Researching Data and Publications Related to Sports Statistics

Cui

13:30 Modeling Athletic Records: Caveats and Guidelines

Hilbe

STCPM 113 **MR** **Time Series Data**
12C

TBA

13:00 [Re-examination of the Theoretical Model for Global-Flow-of-Funds Analysis](#)

Nan Zhang

13:25 [Long-memory versus non-stationarity: a multi-scale test test procedure](#)

Olaf Kouamo, Eric Moulines, François Roueff

13:50 [Determinants of Export Growth Rate in Uganda 1987-2006](#)

Nimrod Agasha

14:15 [Monitoring Calibration of the Singular Spectrum Analysis Method](#)

Paulo Canas Rodrigues

14:40 [On two phase polynomial regression under long-range dependence](#)

Jan Beran, Arno Weiershaeuser



STCPM 120 **MR** **International Statistical Literacy Project**

22B

13:00

STCPM 121 **Hall** **International Statistical Literacy Project**

1A

13:00

CPM 8 **MR** **Statistical inference**

11c

Sieraag De Klerk

13:00 [Double Misspecified Models and Local Model Uncertainties](#)

Nan Xuan Lin

13:20 [Methodologies for Recurrent Event Data Under Competing Risks](#)

Anupap Somboonsavatdee

13:40 [Some New Research about the Consistency Problem of Parameter Estimated of Linear Regression Model](#)

Mingzhong Jin

14:00 [On sufficient conditions for admissibility under LINEX loss](#)

Hidekazu Tanaka

Programme
Thursday



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](#)

Venkata Seshachala Sarma Yadavalli

14:40 [Confidence Intervals for A Bounded Mean in Exponential Families](#)

Hsiuying Wang

CPM 32

**Hall
2bh** **Mixed models**

Mamadou Falou Mbengue

13:00 [The Semi-Mixed Effects Model Class](#)

Stefan Sperlich

13:20 [On the Behavior of Marginal and Conditional Akaike Information Criteria in Linear Mixed Models](#)

Sonja Greven

13:40 [Selecting an Appropriate Transformation of Responses for Fitting a Linear or Additive Mixed Model](#)

Wataru Sakamoto

14:00 [Simultaneous confidence bands for the mixed model representation of penalized spline estimators](#)

Tatyana Krivobokova

14:20 [A Generalized Linear Model for Gain Scores](#)

Leonard Atuhaire

Programme
Thursday

B



14:40 [Deletion diagnostics for the GLMM](#)
Bhaswati Ganguli

CPM 37 **MR** **Theoretical statistics**
11b

Philippe Gafishi

13:00 [Exceptional tensors with three slices and the positivity of its determinant polynomial](#)
Toshio Sakata

13:20 [Shadowing of Statistical Average in Nonhyperbolic Chaotic Dynamical Systems](#)
Chita Evardone

13:40 [Banard convex sets as convex geometries](#)
Félix Almendra-Arao

14:00 [Hellinger distance estimation of general bilinear time series models](#)
Ouagnina HLI

14:20 [Methods for the assessment of the assumption of normality of data](#)
Wallina Oosthuizen



CPM 85

MR
12b

Biological and Medical Statistics

Luca Pappalardo

13:00 Finding the role of proteins using a systems biology approach

Liliana López Kleine

13:20 Kill the Queens

Dav Dev

13:40 Biostatistical approaches in understanding Vitamin D Receptor gene polymorphism(s) and breast cancer risk in north Indian population

Ashwani Kumar Mishra

14:00 Estimation of parameters of logistic regression

Muhammad Hoque

14:20 ICA or PCA? Which one is More Efficient Method for Artifact Identification in MEG Recordings

Mohammad Asghari Jafarabadi

14:40 Negative Binomial, Zero Hurdle/Inflated Negative Binomial Models for Describing the Axillary Lymph Node Involvement in Breast Cancer Patients and their Applications

Alok Kumar Dwivedi

Programme
Thursday

B



IPM 10 **Hall** **The Role of Chance in Evolution**
4c

BS

- 15:30 Organiser and chair: *Fima Klebaner*
- 15:35 [Species abundance distributions in two classes of models: Immigration from mainland vs mutant substitution](#)
Amaury Lambert
- 16:05 [Polymorphic evolution sequence and evolutionary branching in a logistically regulated population](#)
Nicolas Champagnat, Sylvie Méléard
- 16:35 [Modelling the evolutionary process of DNA-sequences](#)
Arndt Von Haeseler, Steffen Klaere, Tanja Gesell
- 17:05 Discussant: Fima Klebaner
- 17:35 Open discussion

IPM 22 **MR** **Methodological and measurement challenges in Economic Statistics**
11A

IAOS

- 15:30 Organiser and chair: *Peter Harper*
- 15:35 [Tests of Model Fit for Gini Regression Analysis](#)
George Djolov, Riona Arjoon



- 16:05 [Concept of a coherent output oriented system of business statistics](#)
Roland GROSS
- 16:35 [Measures of Productivity Change: Which Outcome Do You Want?](#)
Mark Vancauteran, Dirk Van Den Bergen, Erik Veldhuizen, Bert Balk
- 17:05 Discussant: Ivo Havinga
- 17:35 Open discussion

IPM 57 **Hall 6A** **Integrated Household Surveys - Design, Implementation, and Estimation**

IASS

- 15:30 Organiser and chair: *Denise Silva*
- 15:35 [Survey harmonisation in official household surveys in the United Kingdom](#)
Paul Smith
- 16:00 [The Canadian Experience in Creating a Master Sample](#)
Jean-Louis Tambay, Guy Laflamme, Jack Gambino
- 16:25 [Data pooling: constructing estimates across collections](#)
Geoff Lee, Jonathon Khoo, James Chipperfield, Anil Kumar, Russell Lim, Julia Chessman
- 16:50 [Development of an Integrated Household Survey System: The Brazilian Experience](#)
Marcia QuintsIr, Elizabeth Hypólito
- 17:15 Discussant: Ralf Hussmans
- 17:35 Open discussion



IPM 63

**Hall
2D** **Statistics in Finance**

ISBIS

Organiser: *Rong Chen*

15:30 Chair: David Banks

15:35 [Counterparty and Non-Random Risk](#)

Dale Rosenthal

16:15 [CDO Pricing with Copulae](#)

Barbara Choros, Wolfgang Haerdle, Ostap Okhrin

16:55 [Pricing of Non-Performing Assets](#)

Junni Zhang

17:35 Open discussion

IPM 82

**Hall
2C** **Statistical Issues associated with climate change**

GTC, TIES

Organiser: *David Marker*

15:30 Chair: *TBA*

15:35 [Some extreme value problems in climate research](#)

Peter Guttorp

Programme
Thursday



- 16:05 [A Comprehensive statistical system for the analysis of climate change](#)
Walter Radermacher
- 16:35 [The Role for Statisticians in Climate Change Research](#)
David Marker
- 17:05 Discussant
Olav Ljones
- 17:35 Open discussion

STCPM 12 Hall 4B Quality Assurance of National and Cross-National Statistics

Organisers: *Antonio Baigorri, Claudia Junker*

- 15:30 Chair: *Michel Glaude*
- 15:35 [Consequences of a fully developed quality report system based on a 5-years experience at Statistics Austria](#)
Thomas Burg
- 16:00 [Quality assurance activities at Statistics Portugal](#)
Maria João Zilhão, Magda Ribeiro
- 16:25 [The application of the ECB Statistics Quality Framework to the construction of sound statistical indicators](#)
Caroline Willeke, Catherine Ahsbahs, Violetta Damia, Gerard Salou
- 16:50 [Quality Assessments in Eurostat: the experience from Rolling Reviews](#)
Claudia Junker



17:15 Discussant: *Eva Elvers*

17:40 Open discussion

STCPM 24 **Hall 3b** **Violence against Women: How Indicators can Influence Policy Development**

15:30 Organiser and chair: *Cynthia Clark*

15:35 [Designing and Conducting Surveys in Adverse Conditions](#)

Luay Shabaneh

16:05 [Statistics and policy making on men's violence against women – the Swedish experience](#)

Linda Österberg, Carolina Nordström

16:35 [Italian Violence against Women Survey: Lessons for the Policy Makers](#)

Linda Laura Sabbadini

17:05 Discussant: Grace Bediako

17:35 Open discussion

STCPM 32 **Hall 2A** **The General Data Dissemination System (GDDS) for Africa – Building Capacity Development in Statistics**

15:30 Organiser and chair: *Ronald Luttikhuisen*

15:35 [Meeting the Needs of Kenyan Justice and Security Statistics: Evidence from General Data Dissemination System](#)

Robert C.B. Buluma



15:55 **GDDS II Project: Designing a Labor Force Survey for Uganda**
Vincent Fred Sssenono

16:15 **GDDS II Project to improve health statistics in Mauritius**
Nasser Jeeanody

16:35 **Impact of the GDDS project on the Statistical System in Namibia – Stocktaking considerations**
Ndamona C Kali

16:55 Discussant: *Oliver Chinganya*

17:15 Discussant: *Yandiswa Mpetsheni*

17:35 Open discussion

STCPM 34 **Hall 2BH** **Data Challenges for Monitoring the MDGs in Africa**

15:30 Organiser and chair: *Anna Majelantle*

15:35 Data challenges for monitoring environmental sustainability
Kakanyo Dintwa

16:15 **Data challenges in monitoring MDGs in Mauritius**
Chandranee Rughoobur

16:55 **Data challenges for monitoring the MDGS in Africa – HIV/AIDS prevalence data**
N. Forcheh

17:35 Open discussion



STCPM 36 **Hall 5B** **The 2010 Round of Population and Housing Censuses: An Evaluation of African Countries**

- 15:30 Organiser and chair: *Margaret Mbogoni*
- 15:35 [Census Undertaking in Pastoral Areas and Application of New Technologies in the 2007 Population and Housing Census](#)
Yakob Seid, Samia Gutu
- 15:55 [Planning and coordinating a census in a post-conflict situation; a case study of the 5th Sudan population and housing census](#)
Herbert Kandeh
- 16:15 [An Evaluation of the 2010 Round of Censuses - The Liberian Experience](#)
T. Edward Liberty
- 16:35 [Challenges in Census data processing using contemporary technologies: The case of Malawi](#)
Angela Msosa
- 16:55 [Experience and Lessons Learned in Conducting Post Enumeration Surveys in Sub-Saharan Africa: A case for Tanzania and Uganda](#)
Jason Onsembe
- 17:15 Discussant: *John Kekovole*
- 17:35 Open discussion



STCPM 42

MR
11C

Demographic Trends in Africa: Implications for Development

Diego Itturalde

15:30 [Below Replacement Fertility and the Prospects of Population: The Case of Spain](#)

Alejandro Aguirre

15:50 [Ethnic Fertility differentials in Malawi: Searching for an explanation](#)

Martin Enock Palamuleni

16:10 [Analysis of socio-economic factors influencing fertility in South Africa](#)

Rosinah Tshepiso Matsemane Senona

16:30 [Fitting stochastic models to age specific fertility rate in Africa](#)

Ezra Gayawan, Reuben Ipimyomi

16:50 [Fertility decline and fertility preference in Nigeria](#)

Godswill Osuafor

17:10 [A Model - Based Study on Regional and Temporal Variations in Fertility Behavior of Indian Female Cohorts Crossing Childbearing Age During 1993-2012](#)

Samba Siva Rao Pasupuleti, Prasanta Pathak



STCPM 80

Hall 6B Time series analysis

Organisers: *Bovas Abraham, Yulia Gel*

15:30 Chair: *Yulia Gel*

15:35 [Stochastic Volatility Modeling](#)

Bovas Abraham

16:00 [Recursive Methods for Matrix Inversion with Time Series Applications](#)

Abdel El-Shaarawi

16:25 Factor models in time series analysis: Forecasting performance

Pilar Munyoz

16:50 [Inference for Volatility Models with Applications](#)

Aerambamoorthy Thavaneswaran, Melody Ghahramani

17:15 [Applications of Product models in Financial Time Series](#)

N. Balakrishna

17:40 Open discussion

STCPM 83

MR 11b 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

Programme
Thursday



- 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

STCPM 89 **MR11** **Extreme value methods**
A

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](#)

Sibusisive 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

STCPM 122 **Hall 1A** **International Statistical Literacy Project**

15:30

STCPM 132 **MR 22A** **Maths4Stats Workshop A 3**

15:30

STCPM 137 **MR 22B** **Maths4Stats Workshop B 3**

15:30



CPM 19

MR
12a

Statistics in Genetics

Remigius Nnadozie

15:30 [Galton revisited: detecting heritability](#)

Ushma Galal

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 [Phyloclustering: New Phylogenetic Methods for Inferring Population Structure](#)

Karin Dorman

16:50 [How many different HLA genotypes exist in a population?](#)

Frederique Feve

17:10 [Genome-wide association scans for common disease variants in multiethnic populations](#)

Daniel Stram



CPM 90

**MR
12b**

Time Series and Forecasting 1

Hani AlAhmed

15:30 **The Blessing of Dimensionality in Forecasting Real House Price Growth in the Nine Census Divisions of the US**

Sonali Das

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**

Urmil Verma

16:50 **E-Government and new professional figures in UE**

Cesare Piacentino

17:10 **A Dairy Production Prediction System for the Milk Industry**

Brian Chiripanhura

STCPM 59

**MR
11B**

Quality issues and how to make inference from statistical register

Organiser and chair: Øyvind Kleven

15:30 **Unit errors in statistical registers and their effects**

Li Chun Zhang

Programme
Thursday





- 16:00 [Deriving longitudinal consistent household statistics from register information](#)
Carel Harmsen, Jan van der Laan, Léander Kuijvenhoven
- 16:30 [Quality tradeoffs when using register based data: Can they be observed?](#)
Anders Holmberg, Thomas Laitila
- 17:00 Discussant: Genovefa Ruzic
- 7:30 Open discussion