



Saturday

IPM 18

Hall
2E

Sustainable Development Indicators - New Challenges

IAOS, TIES

Organisers: Rosie Fyfe, Rachael Milicich

09:00 *Chair: Walter Rademacher*

09:05 [Sustainable Development Indicators and Environmental 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 Zwiner*

10:20 Panelist: *Rutger de Hoekstra*

10:55 Panelist: *Daniela Cocchi*

11:10 Open discussion



IPM 51 **Hall 2D** **Recent Developments in Survey Methodology Research - Design and Estimation**

IASS

09:00 *Organiser and chair: Paul Smith*

09:05 [Empirical Likelihood Methods for Inference from 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

IPM 83 **Hall 3B** **New studies of the association between human health and pollution and their impact in air quality regulation**

GTC, TIES

Organiser: Montserrat Fuentes

09:00 *Chair: Larry Cox*

09:05 [Modeling Chronic Effects of Air Pollution on Children's 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

IPM 98

Hall 5C Issues in the analysis of multivariate data in the spatial domain

GTC, IAMG

09:00 Organiser and chair: *Eric Grunsky*

09:05 [Spatial latent variable modeling for integrating output from 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: TBA

11:05 Open discussion



STCPM 1

Hall
5B

How to Find Respondents with a Disclosure Risk and What to Do to Protect their Data

Organisers: *Nancy Gordon, Tommy Wright*

09:00 Chair: *Jean-Louis Tambay*

09:05 Re-identification Studies

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

Programme
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STCPM 69

**Hall
6A**

Advances in Statistical Process Control (SPC) Research

Organiser: *Marien Graham*

09:00 Chair: *Nico Crowther*

09:05 [Process Capability Indices for the Balanced Random 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
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STCPM 73 **Hall
2C** **Gender and energy statistics**

- 09:00 Organiser and chair: *Khamarunga Banda*
- 09:05 Gender disaggregated data for gender and energy audits
May Sengendo
- 09:45 Using the Household Vulnerability Index to explore options for improved gender sensitive development interventions in an impoverished community
Tendayi Kureya, Mbuso Jama
- 10:25 Discussant: *Wendy Annecke*
- 11:05 Open discussion

STCPM 127 **MR
22A** **International Statistical Literacy Project**

09:00

STCPM 128 **MR
22B** **International Statistical Literacy Project**

09:00

STCPM 134 **MR
12B** **Maths4Stats Workshop A 5**

09:00



STCPM 139 **MR** **Maths4Stats Workshop B 5**
12C

09:00

CPM 21 **Hall** **Clinical Trials**
4b

Franz Konecny

09:00 [Data Monitoring Committees in Clinical Trials of Disease Prevention](#)

Jennifer Schumi

09:20 [Multi-treatment optimal response-adaptive designs for phase III clinical trials](#)

Atanu Biswas

09:40 [Exponential clinical trials: Sequential comparison under asymmetric penalty](#)

Saibal Chattopadhyay

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](#)

Lutz Edler

10:20 [Statistical considerations to identify appropriate historical controls for rare disease therapies using information generated from the peer-reviewed scientific literature](#)

Jeongsook (Jessica) Kim

10:40 [Phase I Profile Monitoring for Binary Response](#)

Longcheen Huwang



CPM 38

Hall **Multivariate analysis**
4c

Leonardo Trujillo

09:00 [LR Test for Additional Information in Multivariate Growth Curve Model](#)

Daisuke Watanabe

09:20 [The asymptotic expansion of the distribution of the canonical correlations with monotone incomplete multivariate normal data](#)

Tomoya Yamada

09:40 [On the variables selection and distributions in principal canonical correlation analysis](#)

Toru Ogura

10:00 [Matrix derivative and integral](#)

Margus Pihlak

10:20 [On A Class of Bivariate Weibull and Exponential Distributions](#)

N. Balakrishna

10:40 [On summary statistics for functional data](#)

Tonio Di Battista



CPM 39

**Hall
6b** Demography - contraceptive use

Markus Zwick

09:00 [Correlates of Contraceptive use in Southern Africa: Analysis of Lesotho Demographic and Health Survey \(LDHS\), 2004](#)

Leonard Ahuejere

09:20 [The influence of friends on use and choice of contraception among women aged 25 -44 years in Uganda](#)

Susan Kambabazi Lubaale

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](#)

Kanzira Brian

10:00 [Determinants of Youth Sexual Behavior in Ethiopia: Evidence from EDHS 2005](#)

Sathiya Susuman

10:20 [Adolescent sexual behavior in Uganda in the face of HIV/AIDS: Evidence from the African Youth Alliance \(AYA\) survey 2006](#)

Gideon Rutaremwa

10:40 [The New Face of HIV: What New Information Needs to be Given to Young People](#)

Viola Nampeera



CPM 45

**Hall
2bh**

Statistics in achieving the MDGs

C.S. Hong

09:00 **Challenges in the production of statistical data in Africa**

Kwadwo B. Danso-Manu

09:20 **The Burkina Faso Medium Term Expenditure Framework centered on the MDGs**

Richard Kima

09:40 **Maternal health delivery in Zimbabwe during the period 1988 – 2005/6: its implications to achieving the MDG (5)**

Winfieldah Muroka

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**

Peninah Mutuneh

10:20 **Assessing the Progress of MDG#4- Infant Mortality in Uganda**

Peninah Mutuneh

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CPM 56

**MR
11b**

Access to statistical information

Tapiwa Jhamba

09:00 [Use of Time Series Analysis as a Alternative Methodology in Estimating Values of Missing Data](#)

Lourdes Homecillo

09:20 [Dissemination of Survey Results to the Public](#)

Adetoun Imolehin

09:40 [The Use of Web Analytics at StatsOnline](#)

Bhupendra Suraj Narayan

10:00 [Confidentiality and Data Access in the Web2.0 World](#)

Donald McIntosh

10:20 [Methodological aspects assuring remote access to German business microdata](#)

Rainer Lenz

10:40 [On the time series variation of microdata disclosure risk](#)

Nobuaki Hoshino



CPM 58

**MR
11c**

Statistical management of health information

Sahm Kim

09:00 [Structured Expert Elicitation and its uses in Rare, and Emerging Disease Modeling and Public Health Risk Assessments](#)

Susie ElSaadany

09:20 [Time Series Model for Estimating the Death Rate of Emerging and Re-emerging Disease](#)

Dahud Kehinde Shangodoyin

09:40 [Application of Intervention Analysis of Incidence Cases of HIV Infection in Ghana](#)

Patrick Aboagye-Sarfo

10:00 [An Investigation into the Humanitarian Logistics emanating from the distribution of the HIV virus in Zimbabwe](#)

Kelvin Tonderai Chirenje

10:20 [Case-mix adjustment of Hospital Standardized Mortality ratio](#)

Samuel Dua Oduro



CPM 116

**MR
12a**

Non and semiparametrics

Vincent Parker

09:00 [Reparametrization of the Least Favorable Submodel in Semi-Parametric Multi-Sample Models](#)

Yuichi Hirose

09:20 [Parameter estimation and Iterative Algorithms in intraclass model](#)

Dong Wang

09:40 Distributions of LULU smoothers on multi-dimensional arrays

Ingrid Fabris-Rotelli

10:00 [Discrete-Time Scale Invariant Markov Processes](#)

Navideh Modarresi

10:20 [Detecting Semi-Parametric Changes of General Casual Models](#)

Kengne William Charky

10:40 [Functional instrumental regression](#)

Jean-Pierre Florens

IPM 1

Hall 1 President's invited papers meeting

13:00 Chair: *Denise Lievesley*

13:15 Migration as a social Determinant in Africa: Challenges and opportunities

Madame Ndforo Ndiaye (Senegal)

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14:00 Open discussion

14:15 TBA

Mr Trevor Manuel

15:00 Open discussion