

Proceedings of the Fourth International Conference on Establishment Surveys

Tue, Jun 12

C2 Disclosure Avoidance

8:30 AM - 10:10 AM
Drummond Centre

Chair(s): Scott Austin Ginder, RTI International

8:35 AM [Modeling Aggregates for Reliability and Confidentiality of Output with Application to the QCEW](#)

9:00 AM [Rethinking Sensitivity and Disclosure Risk: QCEW Establishment Data](#)

9:25 AM [Technology Advancing Data Collection: Implementing Thin Client Computer Assisted Personal Interviewing Into National Agricultural Statistics Services' Field Data Collection Program](#)

C31 Time series and measuring recessions

8:30 AM - 10:10 AM
Drummond West

Chair(s): Bonnie E Shook-Sa, RTI International

8:35 AM [An Empirical Comparison of Benchmarking Methods for Economic Stock Time Series](#)

8:55 AM [Investigating Residual Seasonality in Final Real Dollar Foreign Trade Series](#)

9:15 AM [Examining Labor Market Fluctuations Using the Business Employment Dynamics Time Series](#)

9:35 AM [Cyclical Analysis of Business Employment Dynamics Firm and Establishment Size Data](#)

C7 Quality Measures

8:30 AM - 10:10 AM
Drummond East

Chair(s): Stephanie Fry, Westat (U.S.)

8:35 AM [Identifying and resolving reporting errors in an annual establishment survey; Lessons from the NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering](#)

8:55 AM [Metrics for Measuring Data Quality at NASS's National Operations Center](#)

9:15 AM

[Evaluation of Using CVs as a Publication Standard](#)

9:35 AM

[Can the distribution of long term care resident characteristics be estimated with establishment-level information?](#)

INV1 Large-scale Harmonisation of Survey Programs

8:30 AM - 10:10 AM
Ballroom West

Organizer(s): François Brisebois, Statistics Canada

Chair(s): Anne Sigda Russell, U.S. Census Bureau

8:35 AM

[The new French System of Production of Structural Business Statistics](#)

9:00 AM

[Methodological Challenges in the Development of Statistics Canada New Integrated Business Statistics Program](#)

9:25 AM

[Harmonisation of practices for infra-annual macroeconomic statistics at Eurostat: a rationalised approach based on tools, guidelines and handbooks](#)

Discussant(s): Eden Brinkley, Australian Bureau of Statistics

INV2 Insights into the response process model and measurement error for establishment surveys

8:30 AM - 10:10 AM
Ballroom East

Organizer(s): Danna Lee Moore, Associate Director, SESRC WSU

Chair(s): Danna Lee Moore, Associate Director, SESRC WSU

8:35 AM

[Establishment Survey Response Process and Measurement Error: How and Why Are They Connected?](#)

9:00 AM

[Social Network Analysis as a Tool for Assessing Respondent Burden and Measurement Error in Establishment Surveys](#)

9:25 AM

[Not Willing, Not Able: Causes of Measurement Error in Business Surveys](#)

Discussant(s): Joseph Parsons, National Agricultural Statistics Service, US Department of Agriculture

TC1 The Synthetic Longitudinal Business Database: Construction, Validation, Applications and Access

8:30 AM - 10:10 AM
Salon 6/7

Organizer(s): Javier Miranda, US Census Bureau

Chair(s): Jerry P Reiter, Duke University

8:35 AM

[Towards Unrestricted Public Use Business Microdata:](#)

[Construction of The Synthetic Longitudinal Business Database](#)

9:00 AM [The contribution of labor reallocation to aggregate productivity growth: a synthetic data approach for the United States](#)

9:25 AM [Towards Unrestricted Public Use Business Microdata: The Synthetic Longitudinal Business Database. Access Protocols.](#)

Discussant(s): Jorg Drechsler, Institute for Employment Research (IAB)

C14 Integration and Redesign of Health Care Surveys

10:40 AM - 12:20 PM
Drummond Centre

Chair(s): Clarice Brown, National Center for Health Statistics (U.S.)

10:45 AM [The Integrated Survey Design of the MEPS Insurance Component \(MEPS-IC\) Establishment Survey](#)

11:05 AM [Designing the National Hospital Care Survey](#)

11:25 AM [Redesigning National Surveys of Long-Term Care Providers](#)

11:45 AM [The development of methodologies to better get information from health services in Brazil](#)

C21 Editing and Imputation

10:40 AM - 12:20 PM
Drummond East

Chair(s): Elizabeth Copello, RTI International

10:45 AM [Automatic editing of tick-box data in business collections](#)

11:05 AM [Survey Process Control with Significance Editing: Foundations, Perspectives, and Plans for Development](#)

11:25 AM [Assessing the Validity of an Imputation Method Using Data from Comparable External Sources](#)

11:45 AM [Improving the Quality of the DAWN Data through Imputation](#)

C4 Weighting and Variance Estimation

10:40 AM - 12:20 PM
Drummond West

Chair(s): Fritz Scheuren, NORC at the University of Chicago

10:45 AM [Innovative Estimation Strategies for the U. S. Green Goods and Services Survey](#)

- 11:05 AM [Investigating estimation methods under a reduced sample size – Application to the survey of capital expenditure](#)
- 11:25 AM [Evaluation of Changes in Generalized Variance Function Estimators Following Revision of Publication Structure](#)
- 11:45 AM [Sample Design and Multi-Method Sample Allocation](#)

INV3 Managing the Balance Among Cost, Quality and Risk in the Design and Implementation of Establishment Surveys

10:40 AM - 12:20 PM
Ballroom West

Organizer(s): John Eltinge, Bureau of Labor Statistics

Chair(s): Ron S Jarmin, US Census Bureau

- 10:45 AM [Collection and Evaluation of Information on Cost, Quality and Risk Factors in Establishment Surveys](#)
- 11:05 AM [Data Quality Assurance - Quality Gates Framework for Statistical Risk Management](#)
- 11:25 AM [Embedded Experiment for Non-Response Follow-Up Methods of Electronic Questionnaire Collection](#)
- 11:45 AM [Microsimulation of a Government Survey](#)

Discussant(s): Steven Klement, U.S. Census Bureau

INV4 Melting Pot of Solutions: Using Collaborative Work to Improve Establishment Surveys

10:40 AM - 12:20 PM
Salon 6/7

Organizer(s): Darcy Miller, USDA, National Agricultural Statistics Service

Chair(s): Denise Abreu, National Agricultural Statistics Service

- 10:45 AM [A model-based approach to forecasting corn and soybean yields](#)
- 11:10 AM [Investigating Adjustment Methodologies for the Census of Agriculture](#)
- 11:35 AM [Imputation in High Dimensional Economic Data as Applied to the Agricultural Resource Management Survey \(ARMS\)](#)

Discussant(s): Partha S. Lahiri, University of Maryland

IOL2/3 IOL2/3: GREG Calibration and Nonresponse Adjustment

10:40 AM - 12:20 PM
Ballroom East

Chair(s): Frank Potter, Mathematica Policy Research, Inc.

10:45 AM [An Introduction to Calibration Weighting for Establishment Surveys](#)

11:35 AM [Balanced Response and Nonresponse Weighting Adjustments](#)

C18 Questionnaire Design and Testing

1:40 PM - 3:20 PM
Drummond West

Chair(s): Paul Beatty, National Center for Health Statistics (U.S.)

WITHDRAWN - Continuous Improvement of the
Commodity Flow Survey

1:45 PM [Early Stage Scoping in Establishment Surveys: Bridging the Gap between Survey Concepts and Survey Questions](#)

2:10 PM [Usability testing and evaluation of questionnaire re-design work](#)

2:35 PM [Using an Action-Research Model to Develop a Grid on a Self-Administered Questionnaire](#)

C24 Uses of Administrative Data

1:40 PM - 3:20 PM
Drummond East

Chair(s): Kenneth Pick, U.S. Energy Information Administration

1:45 PM [Efficient use of administrative data in the production of economic statistics in Finland](#)

2:05 PM [A risk of using administrative data for statistical purposes – a case study in the Swedish survey Newly Started Enterprises](#)

2:25 PM [Integration of a State specific sampling database with the NASS List Sampling Frame: a Case Study of the California Fruit Acreage Database](#)

2:45 PM [Three Pillars for a New Statistical System on Enterprises: Business Register, Thematic Surveys and Business Census 2011](#)

**INV5 Making Economic Indicator
Statistics More Useful With Data
Dissemination and Visualization Software**

1:40 PM - 3:20 PM
Salon 6/7

Organizer(s): Mark Edward Wallace, United States Census Bureau

Chair(s): Wendy Martinez, U.S. Bureau of Labor Statistics

- 1:45 PM [Improved Access to U.S. Economic Indicators: Implementation, Outreach, and Future Development](#)
- 2:10 PM [Wikiprogress by OECD](#)
- 2:35 PM [Using Data Visualizations to Improve Presentation and Marketing of the North American Transportation Statistics Online Database](#)

Discussant(s): Patrick Hinderdael, International Monetary Fund

INV6 Use of nonparametric regression analysis methods with establishment survey data

1:40 PM - 3:20 PM
Ballroom East

Organizer(s): Michail Sverchkov, Bureau of Labor Statistics

Chair(s): John Eltinge, Bureau of Labor Statistics

- 1:45 PM [Identifying Factors Affecting Nonresponse Rates of Complex Surveys](#)
- 2:10 PM [Small Area Estimation using Generalized Kernel Regression](#)
- 2:35 PM [On X-11 Seasonal Adjustment and Estimation of its MSE: Application to Current Employment Statistics \(CES\) Employment Series](#)

Discussant(s): Alan H. Dorfman, U.S. Bureau of Labor Statistics

IOL5 IOL5: Response Burden

1:40 PM - 3:20 PM
Ballroom West

Chair(s): Lauren Harris-Kojetin, CDC

- 1:45 PM [Non-response Reduction Techniques in Establishment Surveys: Introductory Overview Lecture](#)
- 2:25 PM [Response Burden: Introductory Overview Lecture](#)

TC2 Introduction to Deaths in Custody Reporting Program

1:40 PM - 3:20 PM
Drummond Centre

Organizer(s): Christopher S. Ellis, RTI International

Chair(s): Christopher S. Ellis, RTI International

- 1:45 PM [Are You In or Out? Managing a Dynamic Frame of Jails and Contacts](#)
- 2:05 PM [Sorry to Bother You Again: Ensuring High Response Rates while Minimizing Respondent Burden](#)

2:25 PM [Have It Your Way: Managing Data and Business Preferences in a Multimode Collection](#)

2:45 PM [The Price of Perfection: Analyzing the Cost & Benefits of Extensive Data Quality Follow-up](#)

C1 Business Registers

3:50 PM - 5:30 PM
Salon 6/7

Chair(s): Kristin Stettler, U.S. Census Bureau

3:55 PM [Evaluating a Sampling Frame of Private Security Firms](#)

4:15 PM [Evaluating frame coverage for an establishment survey](#)

4:35 PM WITHDRAWN - Private Schools in America: An Overview of the Private School Universe Survey Frame Creation and Processing

4:55 PM [Eligibility status in Business Surveys – How to get the information and how to use it](#)

C23 Macro-editing and Detecting Outliers

3:50 PM - 5:30 PM
Drummond Centre

Chair(s): Dhuly Chowdhury, RTI

3:55 PM [Model Based Macro-Editing Approach to State and Area Estimates from the Current Employment Statistics Survey](#)

4:15 PM [A Comparison of Hierarchical and Hidiroglou-Berthelot Macro-edits](#)

4:35 PM [Evaluation of Macro Editing Techniques for the Quarterly Financial Report](#)

4:55 PM [Study of Treatment of Influential Values in a Monthly Retail Trade Survey](#)

INV7 Integrated systems and architectures for production of economic statistics

3:50 PM - 5:30 PM
Ballroom West

Organizer(s): Boris Lorenc, Statistics Sweden

Chair(s): Boris Lorenc, Statistics Sweden

3:55 PM [Implementing an integrated program of economic statistics - An ABS perspective](#)

4:20 PM [The Integrated Business Statistics Program: An Overview](#)

4:45 PM [Redesign of the Chain of Economic Statistics in the Netherlands](#)

Discussant(s): Anders Holmberg, Statistics Sweden

INV8 Disclosure Limitation Methods for Tabular Data

3:50 PM - 5:30 PM
Drummond West

Organizer(s): Daniell Toth, Bureau of Labor Statistics

Chair(s): Steven Cohen, National Science Foundation

3:55 PM [Public use business establishment microdata: Protecting confidentiality and providing utility with synthetic data](#)

4:20 PM [Trend and BED Statistics Using Synthetic and Multiplicative Noise Models for Disclosure Limitation](#)

4:45 PM [Disclosure Limitation for the Quarterly Census of Employment and Wages](#)

Discussant(s): Lawrence Cox, National Institute of Statistical Sciences (NISS)

IOL7 IOL7: Price Indices

3:50 PM - 5:30 PM
Drummond East

Chair(s): Anne Sigda Russell, U.S. Census Bureau

3:55 PM [Price Indices](#)

4:35 PM [Price Indices](#)

TC3 Challenges and Innovations in Job Vacancy surveys: An International Perspective

3:50 PM - 5:30 PM
Ballroom East

Organizer(s): Hans Kiesel, Regensburg University of Applied Sciences

Chair(s): Hans Kiesel, Regensburg University of Applied Sciences

3:55 PM [Modifications to the Job Openings and Labor Turnover Survey](#)

4:15 PM [Job vacancy statistics in Switzerland : a 20-year perspective](#)

4:35 PM [The Integral Link between JVS \(Job Vacancy Survey\) and BTS \(Business Tendency survey\) – Israel's Experience](#)

4:55 PM [Job vacancy statistics in France: a new approach since the end of 2010. Analysis of the response behaviour of surveyed](#)

[firms after change in questionnaire](#)

Wed, Jun 13

IOL1: Small Area Estimation

8:30 AM - 10:10 AM
Drummond East

Chair(s): Scot Rumburg, USDA, National Agricultural Statistics Service

8:35 AM [A Primer on Model-Based Small Area Estimation with Applications To Establishment Surveys](#)

9:15 AM [Small Area Estimation in Practice](#)

C15 Issues in Longitudinal Surveys

8:30 AM - 10:10 AM
Drummond West

Chair(s): Brad Edwards, Westat

8:35 AM [Creating a longitudinal panel of new businesses using multiple modes](#)

8:55 AM [Characteristics of Respondents to a Longitudinal Survey of New Firms](#)

9:15 AM [How Stable are Responses Over Time](#)

9:35 AM [Meta-Analytic Approaches for Analyzing Survey Data](#)

C16 Improving Response Rates: Results from Experiments

8:30 AM - 10:10 AM
Ballroom East

Chair(s): Jacqui Yvette Jones, UK Office for National Statistics

8:35 AM [Trying to improve response rates by lowering the perceived response burden of a survey](#)

8:55 AM [Evaluating the Effectiveness of Two Strategies to Improve Telephone Survey Response Rates of Employers](#)

9:15 AM [Using alternative correspondence messages and modes to increase response rates](#)

9:35 AM [Do Different Correspondence Methods Improve Response Rates for Out of Scope Cases?](#)

C29 Non-Response Adjustment Methods

8:30 AM - 10:10 AM
Salon 5

Chair(s): Manisha Sengupta, National Center for Health Statistics (US)

- 8:35 AM [Generalized calibration to deal with non-ignorable nonresponse in the German job vacancy survey](#)
- 8:55 AM [Reduced Bias and Increased Variance: A Possible Trade-off in Calibration for Non-response Treatment](#)
- 9:15 AM [Consumer and Business Payment Behavior in a Survey of Banks: Estimation and Allocation](#)
- 9:35 AM [Modeling nonresponse effects for labor turnover](#)

C32 Producer Price Indices and other Economic Indicators

8:30 AM - 10:10 AM
Drummond Centre

Chair(s): Fawzi Al Nassir, SRA International, Inc.

- 8:35 AM [Producer Price Index: The Brazilian Experience](#)
- 9:00 AM WITHDRAWN - Price Indices
- 9:25 AM [The World Bank's Enterprise Surveys Initiative](#)

C9 Sampling Methods and Frame Development

8:30 AM - 10:10 AM
Salon 6/7

Chair(s): Richard Sigman, Westat

- 8:35 AM [Challenges of Building a Sampling Frame and Sampling in a National Survey of Institutions Providing Child Care and Early Education Services](#)
- 8:55 AM [Frame Development in Complex Organizations: Identifying the Respondents](#)
- 9:15 AM [Modifying composite weighting when PPS samples have already been chosen.](#)
- 9:35 AM [Overcoming Challenges in Frame Development: the National Survey of Residential Care Facilities](#)

INV9 Using Administrative Data as an Alternative to Survey Data for Establishment Collections – a European Perspective

8:30 AM - 10:10 AM
Ballroom West

Organizer(s): Peter Brodie, Office of National Statistics

Chair(s): Peter Brodie, Office of National Statistics

- 8:35 AM [Methods for using administrative data to estimate survey variables not directly available from administrative sources](#)
- 9:00 AM [Checking the Usefulness and Initial Quality of Administrative Data](#)
- 9:25 AM [Using incomplete VAT-data for turnover estimates in Europe](#)
- Discussant(s): Mathew Page, Statistics NZ*

C17 Gaining Survey Participation: Theoretical and Empirical Insights

10:40 AM - 12:20 PM
Drummond West

Chair(s): Jill Lacey, U.S. Government Accountability Office

- 10:45 AM [The Response Process in Organizational Surveys - a Sociological Perspective](#)
- 11:05 AM [Recruitment in Chain Affiliated Establishments: Experiences from the National Survey of Residential Care Facilities](#)
- 11:25 AM [The Impact of a Person Level Incentive on Establishment Level Response and Prevalence Rates within Correctional Facilities](#)
- 11:45 AM [Utilizing Phone Methodology to Improve Contact and Response of Establishments](#)

C25 Issues in Surveys of Employees and Employers

10:40 AM - 12:20 PM
Drummond Centre

Chair(s): Kim Aspinwall, RTI International (U.S.)

- 10:45 AM [Collecting Earnings Statistics using Payroll Software - Lessons from Ireland](#)
- 11:05 AM WITHDRAWN - Multiple Levels of Frame Development and Quality Control Used to Study Establishments
- 11:45 AM [Evaluating and monitoring employee turnover using benchmarks: A study of South African National government departments based on organisational size](#)

INV10 Integrating Perspectives on Business Surveys: A Preview of the Book Designing and Conducting Business Surveys

10:40 AM - 12:20 PM
Ballroom West

Organizer(s): Diane K. Willimack, U.S. Census Bureau

Chair(s): Cynthia Z.F. Clark, National Agricultural Statistics Service / USDA

- 10:45 AM [Unique considerations for conducting and producing statistics from business surveys: Introducing our book on Designing and Conducting Business Surveys](#)
- 11:05 AM [Thinking Inside the Box: Business Behavior and Its Implications for the Survey Response Process](#)
- 11:25 AM [An Integrated Quality Framework for Business Survey Evaluations](#)
- 11:45 AM [An Integrated Framework for Designing a Business Survey Communication Strategy](#)

Discussant(s): Paul Biemer, RTI International

INV11 Coordination of samples selected from overlapping populations

10:40 AM - 12:20 PM
Drummond East

Organizer(s): Lenka Mach, Statistics Canada; Ioana Schiopu-Kratina, Statistics Canada

Chair(s): Frank Potter, Mathematica Policy Research, Inc.

- 10:45 AM [Maximal, minimal sample co-ordination and associated bounds](#)
- 11:10 AM [The Use of Sample Overlap Methods in the Consumer Price Index Area Redesign.](#)
- 11:35 AM [Sampling Coordination of Business Surveys Conducted by INSEE](#)
- 11:50 AM [Coordination of Samples Selected from Overlapping Populations – Discussion](#)

Discussant(s): Paul Smith, Office for National Statistics, UK

INV12 The Potential Use of R in Establishment Surveys

10:40 AM - 12:20 PM
Ballroom East

Organizer(s): Martin Robert Brand, ONS (UK)

Chair(s): Martin Robert Brand, ONS (UK)

- 10:45 AM [Automated data editing and imputation with R at Statistics Netherlands](#)
- 11:10 AM [Use of R in Business Surveys at the Italian National Institute of Statistics: Experiences and Perspectives](#)
- 11:35 AM [Official statistics and survey methodology meets R: An overview of corresponding packages](#)

Discussant(s): Ralf T. Munnich, University of Trier

IOL6 IOL6: Nonresponse Bias Analysis

10:40 AM - 12:20 PM
Salon 6/7

Chair(s): David Haziza, Université de Montréal

- 10:45 AM [Nonresponse Bias Analysis for Business Surveys - Guidance from the US Office of Management and Budget](#)
- 11:25 AM [Nonresponse Bias Analysis for Business Surveys - Perspective from the US Census Bureau](#)

C11 Sampling Strategies

1:40 PM - 3:20 PM
Salon 5

Chair(s): Ruey-Pyng Lu, U.S. Energy Information Administration

- 1:45 PM [Efficient sample design for an establishment survey](#)
- 2:05 PM [On Precision in Estimates of Change Over Time where Samples are Positively Coordinated by Permanent Random Numbers](#)
- 2:25 PM [Comparing Estimation Methods in Product Surveys](#)
- 2:45 PM [Government Funding Source as a Sample Frame of Early Career Doctorates Working in Establishments in All Sectors](#)

C26 New Technologies and Generalized systems

1:40 PM - 3:20 PM
Salon 6/7

Chair(s): John Dixon, BLS

- 1:45 PM [Using GIS to inform sample design for a retail establishment survey](#)
- 2:05 PM [Applying Business Intelligence Technology to Statistical Processing and Analysis](#)
- 2:25 PM [Developing a Generalized Processing System Across Organizational Silos](#)
- 2:45 PM [Developing and implementing a generalised tool for data collection and micro editing – experiences from Statistics Sweden](#)

INV13 Managing Metadata for Establishment Surveys

1:40 PM - 3:20 PM
Drummond Centre

Organizer(s): Daniel W Gillman, US Bureau of Labor Statistics

Chair(s): Daniel W Gillman, US Bureau of Labor Statistics

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1:45 PM [The key role of metadata when building statistical production systems based on registers](#)

2:10 PM [Operationalizing metadata frameworks - An ABS perspective](#)

2:35 PM [Metadata Management over the Statistical Lifecycle at Statistics Canada](#)

Discussant(s): Sandra Cannon, Federal Reserve Board

INV14 Surveying Employees within and across Establishments: Challenges and Issues

1:40 PM - 3:20 PM
Drummond West

Organizer(s): Naomi Dyer, Westat

Chair(s): Taylor Hudson Lewis, U.S. Office of Personnel Management

1:45 PM [International Generalizability of Organizational Surveys](#)

2:10 PM [Does the length of fielding period matter? Examining response scores of early versus late responders](#)

2:35 PM [Evaluating Non-response Bias in Organizational Surveys Using Response Timing:](#)

Discussant(s): Fritz Scheuren, NORC at the University of Chicago

IOL4 IOL4: Web Questionnaires

1:40 PM - 3:20 PM
Ballroom West

Chair(s): Bill Mochovak, Bureau of Labor Statistics

1:45 PM [Tailoring the design of e-questionnaires to the response process: About audit trails and other methods](#)

2:25 PM [Survey Quality Evaluation for Business Surveys](#)

TC4 Consumer Price Indices Survey Design Challenges

1:40 PM - 3:20 PM
Drummond East

Organizer(s): Martin Beaulieu, Statistics Canada

Chair(s): Paul Smith, Office for National Statistics, UK

1:45 PM [Methodological Challenges in the Development of a New Survey Design for the Canadian Consumer Price Index](#)

2:05 PM [Sampling and maintaining a fixed and representative basket](#)

[of goods and services in a dynamic universe](#)

2:25 PM

[Sampling Schemes for Price Index Construction: A performance comparison across the COICOP food groups](#)

2:45 PM

[Variance Estimation for a Revised CPI](#)

Discussant(s): Steven Paben, Bureau of Labor Statistics

TC5 Relationship Management of Very Large Establishments

1:40 PM - 3:20 PM
Ballroom East

Organizer(s): Joseph Parsons, National Agricultural Statistics Service, US Department of Agriculture

Chair(s): Darcy Miller, USDA, National Agricultural Statistics Service

1:45 PM

[Why should I? : Employing Social Psychology to Increase Cooperation from Large Survey Establishments](#)

2:05 PM

[Measuring the Impact of Business Profiling in the UK](#)

2:25 PM

[The treatment of large enterprise groups within Statistics Netherlands](#)

2:45 PM

WITHDRAWN - Next steps in developing and maining relationships with large enterprises at the U.S. Census Bureau

Discussant(s): Danna Lee Moore, Associate Director, SESRC WSU

C19 Issues and Innovations in Electronic Data Collection

3:50 PM - 5:30 PM
Salon 6/7

Chair(s): Grace O'Neill, U.S. Energy Information Administration

3:55 PM

[Collecting data electronically from enterprises – searching for the right approach](#)

4:15 PM

[Online Data Collection in Agro-Food Sector](#)

4:35 PM

[Modal Unit-Response Rates and Strategy](#)

4:55 PM

[The Use of Electronic Reporting and Other Electronic Tools for Data Providers](#)

C28 Designing and Redesigning Survey Processes

3:50 PM - 5:30 PM
Salon 5

Chair(s): Peter Stoltz, Statistics Denmark

3:55 PM

[Banff Automated Edit and Imputation on a Hog Survey](#)

- 4:15 PM WITHDRAWN - A General Algorithm for Multivariate Stratification
- 4:35 PM [An upper bound for the relative bias of the design effect](#)
- 4:55 PM WITHDRAWN - On Design Effects of Complex Sampling Strategy on ANOVA Mixed Effects Model

C5 Estimation Strategies

3:50 PM - 5:30 PM
Drummond Centre

Chair(s): Phillip Kott, RTI International

- 3:55 PM [Estimates by Firm Size Using the CES Survey](#)
- 4:20 PM [Extending the DAG Jackknife to Measure the Variance of an Estimated Total When Imputing for Item Nonresponse with a Survey-Weighted Prediction Model](#)
- 4:45 PM [Complex Weighting and Disposition Coding in a Survey of Establishments](#)

C6 Job Vacancies

3:50 PM - 5:30 PM
Drummond West

Chair(s): Charlotte Devor Oslund, Bureau of Labor Statistics

- 3:55 PM [What about Skills Shortages? Evidence from the German Job Vacancy Survey](#)
- 4:20 PM [What determines the success of filling vacancies? Evidence from the German Job Vacancy Survey](#)
- 4:45 PM [Current Developments of Supply and Demand in the Labor Market in Israel](#)

INV15 Recent Developments in Assessing and Mitigating Nonresponse Bias

3:50 PM - 5:30 PM
Ballroom West

Organizer(s): Joanna Fane Lineback, U.S. Census Bureau

Chair(s): Katherine (Jenny) Thompson, U.S. Census Bureau

- 3:55 PM [Recent Developments in Assessing and Mitigating Nonresponse Bias](#)
- 4:20 PM [Representativeness of response to establishment surveys and registers](#)
- 4:45 PM [A Theoretical Framework for Adaptive Collection Designs](#)

Discussant(s): Roderick Little, U.S. Census Bureau/University of Michigan

INV16 Frame Challenges for Complex Populations

3:50 PM - 5:30 PM
Ballroom East

Organizer(s): Pierre Daoust, Statistics Canada

Chair(s): Richard Lockhart, Simon Fraser University

3:55 PM

[Understanding Energy and Water Use in New Zealand Non-residential Buildings – an ad hoc survey](#)

4:20 PM

[Complex Methods for Special Populations: The U.S. Commercial Building Energy Consumption Survey](#)

4:45 PM

[Discovering the Universe: Measuring the Role of Finance Companies in the U.S. Economy](#)

Discussant(s): Karol Krotki, RTI

TC6 Evaluation of Statistical Disclosure (SDC) Methods for Application of New Methods

3:50 PM - 5:30 PM
Drummond East

Organizer(s): Donsig Jang, Mathematica Policy Research

Chair(s): Donsig Jang, Mathematica Policy Research

3:55 PM

[Evaluation of Three Disclosure Limitation Models for the QCEW program](#)

4:15 PM

[Protecting both Establishment and Company Level Contributions in Statistical Tables](#)

4:35 PM

[Methods for Assessment of Incremental Disclosure Risks Incurred Through the Release of Special Tabulations](#)

4:55 PM

[Implementing Multiple Evaluation Techniques in Statistical Disclosure Control for Tabular Data](#)

Discussant(s): Jerry P Reiter, Duke University

Thu, Jun 14

Waksberg Address

8:30 AM - 9:50 AM
Ballroom Centre

Chair(s): J.N.K. Rao, Distinguished Research Professor at Carleton University

[Survey Quality](#)

C10 Sampling Methods - Design and Allocation

10:20 AM - 12:00 PM
Salon 6/7

Chair(s): Michael Yang, NORC at the University of Chicago

- 10:25 AM [Using a Provider Cluster Sampling Design to Study the Supply and Demand of Early Care and Education](#)
- 10:50 AM [Optimal Allocation for Multidomain, Multivariate Case with different amount of auxiliary information](#)
- 11:15 AM [Model-Aided Sampling: An Empirical Review](#)

C30 Metadata and Survey Management

10:20 AM - 12:00 PM
Drummond Centre

Chair(s): Daniel W Gillman, US Bureau of Labor Statistics

- 10:25 AM [Metadata for an Integrated Survey Framework: Integrated Business Statistics Program \(IBSP\)](#)
- 10:50 AM [The Requirements of Secondary Analysis of Organizational Data](#)
- 11:15 AM [Establishment Surveys in Uganda](#)

C8 Small Area Estimation

10:20 AM - 12:00 PM
Drummond West

Chair(s): Karol Krotki, RTI

- 10:25 AM [Evaluation of Methods for County-Level Estimation of Crop Harvested Area that Employ Mixed Models](#)
- 10:50 AM [A Problem in Small Area Estimation: Cash Rental Rates](#)
- 11:15 AM [Small area modelling under complex survey designs for business data](#)

INV17 Meeting the challenge to combine different survey data: the case of multinationals and foreign affiliates and the link between trade data and business registers

10:20 AM - 12:00 PM
Ballroom West

Organizer(s): Jean Ritzen, Statistics Netherlands

Chair(s): Kees Vennix, Statistics Netherlands

- 10:25 AM [The impact of globalisation on the system of statistical units](#)
- 10:50 AM [The EGR and the profiling: a complete vision of the](#)

[multinational enterprise groups, global actors of the economy](#)

11:15 AM

[Profiling large and complex MNEs](#)

Discussant(s): Shirin A. Ahmed, U.S. Census Bureau

INV18 Measuring the Green Economy

10:20 AM - 12:00 PM
Drummond East

Organizer(s): Richard Clayton, U.S. Bureau of Labor Statistics

Chair(s): Don Haughton, U.S. Bureau of Labor Statistics

10:25 AM

[Measuring green jobs in the Netherlands](#)

10:50 AM

[Measuring green industry employment](#)

11:15 AM

[Counting Green Jobs: Developing the Green Technologies and Practices Survey](#)

Discussant(s): Joseph Kosler, USDA NASS Research and Development

TC7 Using Auxiliary Data to Predict and Manage Survey Nonresponse

10:20 AM - 12:00 PM
Ballroom East

Organizer(s): Morgan Sue Earp, Bureau of Labor Statistics

Chair(s): Jeffrey Gonzalez, U.S. Bureau of Labor Statistics

10:25 AM

[Adjusting for Non-response in the Occupational Employment Statistics Survey](#)

10:45 AM

[Who is Responsible for the Bias? Using Proxy Data and Tree Modeling to Identify Likely Nonrespondents and Reduce Bias](#)

11:05 AM

[Voted "least likely to respond": Using classification trees to identify likely non-respondents and proactively manage data collection in NASS's Quarterly Agricultural Survey](#)

Discussant(s): David Cantor, Westat

C20 Approaches to Improving Data Quality

1:20 PM - 3:00 PM
Drummond East

Chair(s): Christopher S. Ellis, RTI International

1:25 PM

[A Comprehensive Reassessment of Establishment Surveys](#)

1:50 PM

[Cognitive approach to studying performance in business surveys](#)

2:15 PM [Adding New Items and New Respondents: Findings from the NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering](#)

2:15 PM [Third Party Audits –Does this Gold Standard Hold up for Assessing Measurement Error in a Regulated Industry?](#)

C22 Selective Editing and Detecting Outliers

1:20 PM - 3:00 PM
Salon 6/7

Chair(s): Katherine (Jenny) Thompson, U.S. Census Bureau

1:25 PM [Multivariate selective editing based on the use of administrative data: an application to the Italian business survey on ICT usage and e-commerce](#)

1:45 PM [Application of Selective Editing Techniques: Evaluation](#)

2:05 PM [Metrics for Selective Editing](#)

2:25 PM [An Adaptive Approach to Hidiroglou-Berthelot Outlier Detection](#)

C3 Variance Estimation

1:20 PM - 3:00 PM
Drummond West

Chair(s): Victoria McNerney Scott, RTI International

1:25 PM [Anomalies under Jackknife Variance Estimation Incorporating Rao-Shao Adjustment in the Medical Expenditure Panel Survey Insurance Component](#)

1:50 PM [Incorporating the Sampling Variability from an Employee Perception Survey into the Ranking Process of U.S. Government Agencies](#)

2:15 PM [Developing Calibration Weights and Standard-Error Estimates for a Survey of Drug-Related Emergency-Room Visits](#)

INV19 Using Administrative Data as an Alternative to Survey Data for Establishment Collections

1:20 PM - 3:00 PM
Ballroom East

Organizer(s): Ron John McKenzie, Statistics New Zealand

Chair(s): Clare Ward, Statistics New Zealand

1:25 PM [Maximising the use of administrative data in sub-annual](#)

[business collections](#)

1:50 PM

[First assessment of the combined use of administrative and survey data in the new system of French structural business statistics](#)

2:15 PM

[Using administrative taxation data to improve sample design and estimation - An ABS perspective](#)

Discussant(s): Peter Brodie, Office of National Statistics

INV20 Response burden and motivation in official business surveys. Can we improve businesses response behavior by increasing the perceived benefits of official statistics?

1:20 PM - 3:00 PM
Ballroom West

Organizer(s): Deirdre Giesen, Statistics Netherlands

Chair(s): Rudi Seljak, Statistical Office of the Republic of Slovenia

1:25 PM

[Exploring Causes and Effects of Perceived Response Burden](#)

1:50 PM

[Sources of Motivation in Business Surveys](#)

2:15 PM

[Businesses as users of official statistics](#)

Discussant(s): Jacqui Yvette Jones, UK Office for National Statistics

Closing Panel Session: Doing More With Less

3:30 PM - 5:00 PM
Ballroom West

Chair(s): John Kovar, Statistics Canada

3:35 PM

[Doing More With Less](#)

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