

# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics



### Programme Schedule\*

(Updated on July 23, 2013)

#### AUGUST 21, 2013 (WEDNESDAY)

Pre-Registration	<b>15:00-18:00</b>
	Macau Tower, 3/F
Conference Meetings – Committee Members and Session Chairs	<b>16:00-18:00</b>
	To Be Announced
Welcome Reception – Welcome Drinks & Light Buffet Dinner	<b>18:00-20:30</b>
	Grand Hall

#### AUGUST 22, 2013 (THURSDAY)

Registration with Coffee Reception	<b>08:30-09:30</b>
	Macau Tower, 3/F

#### OPENING CEREMONY **09:30-10:00**

Prof. Tae Rim Lee Grand Hall  
*Conference and Programme Chair*

Ms. Vanessa P. F. Kong  
*Director, Statistics and Census Service, Macao SAR*

Prof. Wei Zhao  
*Rector, University of Macau, Macao SAR*

Mr. John A. Harraway  
*President of International Association for Statistical Education*

Prof. Shigeru Kawasaki  
*President-Elect of International Association for Official Statistics*

#### KEYNOTE SPEECH I **10:00-11:00**

Topic: *Teaching Statistics Students to be Collaborative Statisticians* Grand Hall

**Prof. Shrikant I. Bangdiwala**, *The University of North Carolina at Chapel Hill, USA*

Chair: Prof. Tae Rim Lee, *Korea National Open University, Republic of Korea*  
(*Conference and Programme Chair*)

# 2013 Joint IASE/IAOS Satellite Conference

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Refreshment Break **11:00-11:30**

Foyer

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**KEYNOTE SPEECH II** **11:30-12:30**

Topic: *To Be Announced* Grand Hall

**Prof. Frederick W. H. Ho**, *University of Hong Kong, Hong Kong SAR*

Chair: Ms. Vanessa P. F. Kong, *Director of Statistics and Census Service, Macao SAR (Honorary Conference Co-Chair)*

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**WELCOME LUNCH** **12:30-14:15**

Banquet Hall (4/F)

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**PARALLEL PAPER SESSIONS** **14:15-15:45**

**Session 1.1.0 Enthusing the Youth and Teachers** GH 1

Chair: Iddo Gal, *University of Haifa, Israel*

1.1.1 Teaching Introductory Statistics for Evidence-Based Practice: Integration of Context

Presenter: Rossi A. Hassad, *Mercy College (New York), USA*

1.1.2 Educational Uses of Youth Statistics for the Revised Tertiary General Education Curriculum in the Philippines

Presenters: Enriqueta Reston, *University of San Carlos, the Philippines*  
Liza Lorena C. Jala, *University of Cebu, the Philippines*

1.1.3 Hands-On Data Activities in the Classroom - Enthusing Teachers and Students

Presenter: Bradley Payne, *Conker Statistics, UK*

1.1.4 Teaching Probability Using Google Site

Presenter: Teresita Terán, *National University of Rosario, Argentina*

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**Session 1.2.0 Research and Statistical Education** GH 2

Chair: Hang Fai Yeung, *University of Macau, Macao SAR*

# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics



- 1.2.1 Enthusing Students Towards Statistical Literacy Using Transformative Learning Paradigm: Implementation and Appraisal

Presenter: Shirlee Ocampo, *De La Salle University, the Philippines*

- 1.2.2 The Use of a Hierarchical Construct to Investigate Students' Learning of Inferential Statistics

Presenter: Saras Krishnan, *University of Malaya, Malaysia*

- 1.2.3 Integrating Statistics: Doing Research in Undergraduate Studies

Presenter: Maria Eugénia Ferrão, *University of Beira Interior, Portugal*

- 1.2.4 Students' Emerging Expressions of Uncertainty while Making Informal Statistical Inferences about Data and Using Dynamic Statistics Software

Presenter: Theodosia Prodromou, *University of New England, Australia*

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### POSTER DISPLAYS 14:15-17:30

Conference Posters GH 3A

International Statistical Literacy Project Posters GH 3B

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### Coffee Break 15:45-16:00

Foyer

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### PARALLEL PAPER SESSIONS 16:00-17:30

**Session 1.3.0 Novel Approaches to Statistics Education** GH 1

Chair: Roxy Peck, *California Polytechnic State University, USA*

- 1.3.1 On the Role of Official Statistics in Business Study Programmes

Presenter: Irena Ograjenšek, *University of Ljubljana, Slovenia*

- 1.3.2 Analysis of Variance and its Applications in Macao Educational Research

Presenter: Jasmine I. I. Chan, *South China Normal University, China*

- 1.3.3 E-Learning or Blended Learning - Enriching Statistics for Business Students

Presenter: Manfred Borovcnik, *University of Klagenfurt, Austria*

# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics



### 1.3.4 *Vamos Contar*: A Communication Channel between IBGE and Brazilian Educators

Presenter: Tatiana Barboza Miranda, *Instituto Brasileiro de Geografia e Estatística, Brazil*

## Session 1.4.0 Broader Issues in Statistics Education

GH 2

Chair: Penelope Bidgood, *Kingston University, UK*

### 1.4.1 Enabling Learners to Discover Real Stories in Official Statistics with a New Synthetic Unit Record File of the New Zealand Income Survey 2011

Presenter: Andrew Tideswell, *Statistics New Zealand*

### 1.4.2 Quality Assessment of Statistical Education by Japan Statistical Society

Presenter: Shigeru Kawasaki, *Nihon University, Japan*

### 1.4.3 Statistics Education in New Zealand, and its Influence on the IASE

Presenter: Sharleen Forbes, *Statistics New Zealand and Victoria University of Wellington, New Zealand*

### 1.4.4 Interactive Wiki

Presenter: Juha Puranen, *University of Helsinki, Finland*

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## WRAP-UP SESSION

17:30-18:30

### Session 1.5.0

Grand Hall

Chair: Brian Phillips, *Swinburne University of Technology, Australia*

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Free Evening

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AUGUST 23, 2013 (FRIDAY)

Late Registration with Coffee Reception

08:30-09:05

Macau Tower, 3/F

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## KEYNOTE SPEECH III

09:05-10:20

Topic: *INCENSE: Insights into Inciting Debates around Census Data*

Grand Hall

# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics



**Prof. Jim Ridgway**, *Durham University, UK*  
Mr. Alan Smith, *Office for National Statistics, UK*

Chair: Mr. Stephen Penneck, *Office for General Statistics, UK (President of International Association for Official Statistics)*

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Coffee Break **10:20-10:35**  
Foyer

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**KEYNOTE SPEECH IV** **10:35-11:35**  
Topic: *Official Statistics of the Youth, by the Youth and for the Youth* Grand Hall

**Dr. Margarita F. Guerrero**, *United Nations Statistical Institute for Asia and the Pacific*

Chair: Mr. John A. Harraway, *University of Otago, New Zealand (President of International Association for Statistical Education)*

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Coffee Break **11:35-11:50**  
Foyer

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**PARALLEL PAPER SESSIONS** **11:50-13:00**  
**Session 2.1.0 Building upon Successful Projects** GH 1

Chair: Grace Q. Fu, *University of Macau, Macao SAR*

2.1.1 Challenge for the ISLP Project: Promotion of Statistical Literacy and User Skills Worldwide through a Co-Operation Network

Presenter: Reija Helenius, *Statistics Finland*

2.1.2 Statistics Learning Environment for Students through Japanese CensusAtSchool Project

Presenter: Kazuhiro Aoyama, *Aichi University of Education, Japan*

2.1.3 Simulating the Data Investigative Cycle in Less Than Two Hours: Using a Virtual Human Population, Cloud Collaboration Technology and a Statistical Package to Engage Students in a Quantitative Research Methods Course

Presenter: James Baglin, *RMIT University, Australia*

# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics



### Session 2.2.0 Learning, Disseminating and Using Official Statistics

GH 2

Chair: Ron Wasserstein, *American Statistical Association*

#### 2.2.1 Interactive Content and Dynamic Publishing - A Vital Part of an NSO's Output and Communication Strategy

Presenter: Jenine Borowik, *Australian Bureau of Statistics*

#### 2.2.2 Integrating the Use of Official Statistics in Mainstream Curricula through Data Visualisation

Presenter: James Nicholson, *Durham University, UK*

#### 2.2.3 Development of Synthetic Microdata for Educational Use in Japan

Presenter: Shinsuke Ito, *National Statistics Center, Japan*

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### POSTER DISPLAYS

**11:50-13:00**

**Conference Posters**

GH 3A

**International Statistical Literacy Project Posters**

GH 3B

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Lunch

**13:00-14:30**

Banquet Hall (4/F)

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### KEYNOTE SPEECH V

**14:30-15:30**

Topic: *Statistical Information in Fast Economic Development Region*

Grand Hall

**Prof. Lai Kow Chan**, *Macau University of Science and Technology, Macao SAR*

Chair: Mr. Paul M. C. Ieong, *Deputy Director of Statistics and Census Service, Macao SAR (Co-Chair of Organizing Committee)*

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Coffee Break

**15:30-15:45**

Foyer

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### PARALLEL PAPER SESSIONS

**15:45-16:55**

# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics



### Session 2.3.0 Using Official Statistics to Promote Statistical Literacy

GH 1

Chair: Peter Petocz, *Macquarie University, Australia*

#### 2.3.1 Promoting Statistical Literacy among Students

Presenter: Vivian W. Y. Chan, *Census and Statistics Department, Hong Kong SAR*

#### 2.3.2 Statistical Literacy: Bringing Concepts to Life in our Diverse and Ever Changing User Communities - the Experience of the Australian Bureau of Statistics

Presenter: Jonathan Palmer, *Australian Bureau of Statistics*

#### 2.3.3 Training Human Resources for the National Population Census 2010 in Argentina

Presenter: Liliana C. Severino, *National University of Rosario, Argentina*

### Session 2.4.0 Disseminating Official Statistics into the Real World of Youth

GH 2

Chair: Keiko Osaki-Tomita, *Demographic and Social Statistics Branch, United Nations Statistics Division, USA*

#### 2.4.1 Another Brick in the Wall - Improving Statistical Literacy in Ireland

Presenter: Steve MacFeely, *Central Statistics Office, Ireland*

#### 2.4.2 Statistics Education Initiatives by Japanese Official Statistics

Presenter: Naoki Makita, *National Statistics Center, Japan*

#### 2.4.3 Increasing Statistical Literacy through Cooperation between National Statistics Offices and Universities: A New Zealand Experience

Presenter: John A. Harraway, *University of Otago, New Zealand*

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Coffee Break

16:55-17:10

Foyer

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### PARALLEL PAPER SESSIONS

17:10-18:20

#### Session 2.5.0 New Initiatives in Official Statistics

GH 1

Chair: Peng Chun Vong, *University of Macau, Macao SAR*

# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics



### 2.5.1 Statistics Education and Human Rights Monitoring

Presenter: Joachim Engel, *Ludwigsbury University of Education, Germany*

### 2.5.2 Statistical Literacy Hatching

Presenter: Leticia Mendoza Ruiz, *National Institute of Statistics and Geography, Mexico*

### 2.5.3 iNZight into Time Series and Multiple-Response Data

Presenter: Chris Wild, *University of Auckland, New Zealand*

## Session 2.6.0 Training in Official Statistics

GH 2

Chair: Patrick K. K. Chu, *University of Macau, Macao SAR*

### 2.6.1 Building Expertise in Mathematical Statistics within the Australian Bureau of Statistics through Partnerships with Academics

Presenter: Paul Schubert, *Australian Bureau of Statistics*

### 2.6.2 Statistical Training for Russian-Speaking Countries: Combination of International Quality and Availability

Presenter: Alexey N. Ponomarenko, *National Research University - Higher School of Economics, Russia*

### 2.6.3 The Effect of Using “STANAVT” – Web Based Learning System about Official Statistics

Presenter: Tsuyoshi Onodera, *Rikkyo University, Japan*

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## POSTER (PLUS VERBAL) SESSION

17:10-18:20

### Session 2.7.0 Conference Posters

GH 3

Chair: Winnie U. F. Kuan, *University of Macau, Macao SAR*

### 2.7.1 Surveys and Blaster Scatterplots at Middle School Math Nights

Presenter: Adam Molnar, *University of Georgia, USA*

### 2.7.2 Education Official Data University Assessment within the School of Civil Engineering

Presenters: Alicia María Picco, *National University of Rosario, Argentina*  
María Angélica Ferrandi, *National University of Rosario, Argentina*



# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics



### 2.7.3 The Effect of Changing the Statistics Education Curriculum of Junior High School in Japan

Presenter: Yoshinori Fujii, *University of Miyazaki, Japan*

### 2.7.4 Introduction of U-Learning System in Statistics Korea

Presenter: Hyun Sik Hwang, *Statistics Korea*

### 2.7.5 Statistical Significance and Practical Significance in Statistics Education

Presenter: Pranesh Kumar, *University of Northern British Columbia, Canada*

### 2.7.6 Collaboration in Statistical Education by Academia and Official Statistical Organisations (Ukraine as an Example)

Presenter: Ruslan Motoryn, *Ukrainian State University of Finance and International Trade, Ukraine*

### 2.7.7 Application of ICTS to Teaching Statistics to Non Statisticians

Presenter: Liliana C. Severino, *National University of Rosario, Argentina*

### 2.7.8 A Contribution of Statistics for the Elderly Adults

Presenter: Teresita Terán, *National University of Rosario, Argentina*

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## GALA DINNER

**19:00-21:30**

Reception at 18:30 & with live entertainment

Mandarin Oriental Hotel

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## AUGUST 24, 2013 (SATURDAY)

Coffee Reception

**08:15-08:45**

Macau Tower, 3/F

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## PARALLEL PAPER SESSIONS

**08:45-10:15**

### Session 3.1.0 Official Statistics and the School Curriculum

GH 1

Chair: Chris Wild, *University of Auckland, New Zealand*

#### 3.1.1 Interactive Electronic Textbook for Statistical Education

Presenter: Liang Zhang, *Okayama University, Japan*

#### 3.1.2 Setting up a Network of Workshops to Empower In-Service Teachers, South Africa

# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics



Presenter: Delia North, *University of KwaZulu-Natal, South Africa*

### 3.1.3 New ABS Strategies to Promote Statistical Education under a New National Curriculum for Statistics

Presenter: Siu-Ming Tam, *Australian Bureau of Statistics*

### 3.1.4 A Development of Object-Oriented Dynamically Linked Statistical Package for 5-8 Graders

Presenter: Tae Rim Lee, *Korea National Open University, Republic of Korea*

## Session 3.2.0 Statistics Education Using Advancing Technology

GH 2

Chair: Tim Dunne, *University of Cape Town, South Africa*

### 3.2.1 The Future of Textbooks and Evolution of an E-book

Presenter: Doug Stirling, *Massey University, New Zealand*

### 3.2.2 An E-Learning Course for Social Survey and Data Analysis in Rikkyo University

Presenter: Yusuke Kanazawa, *Rikkyo University, Japan*

### 3.2.3 Students' Experience of Becoming a Statistical Consultant

Presenter: Ayse Bilgin, *Macquarie University, Australia*

### 3.2.4 Statistical Education Standards and the Role of Technology

Presenter: Volker Kraft, *SAS Institute GmbH, Germany*

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## WORKSHOP SESSION

08:45-10:15

### Session 3.3.0 International Statistical Literacy Project - Poster Assessment

GH 3

Co-Chairs: James Nicholson, *Durham University, UK*

Patrick K. K. Chu, *University of Macau, Macao SAR*

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Coffee Break

10:15-10:30

Foyer

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## KEYNOTE SPEECH VI

10:30-11:30

Topic: *Activities of Japanese Inter-University Network for Statistical Education*

Grand Hall

# 2013 Joint IASE/IAOS Satellite Conference

## Statistics Education for Progress: Youth and Official Statistics

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**Prof. Akimichi Takemura**, *University of Tokyo, Japan*

Chair: Prof. Jacky Y. C. So, *University of Macau, Macau SAR (Co-Chair of Organizing Committee)*

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### CLOSING LUNCH

**11:30-13:00**

Macau Tower 360° Café

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### HALF-DAY LOCAL TOUR

**14:00-18:00**

(for non-local participants)

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### FAREWELL DINNER

**18:00-21:00**

Pousade de Coloane

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\* Schedule is tentative and subject to change.