



Spring 2007

<http://www.stat.auckland.ac.nz/~iase/>

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and

*K. Laurence Weldon, Department of Statistics and Actuarial Science, Simon Fraser University, 8888 University Drive, Burnaby, BC, Canada V5A 1S6. Tel: +1-604-291-3667, Fax: +1-604-291-4368, E-mail: [weldon@sfu.ca](mailto:weldon@sfu.ca).*

### THE 2007 SESSION OF THE INTERNATIONAL STATISTICAL INSTITUTE, ISI-56

Lisbon, Portugal, August 22–29, 2007

Reported by Allan Rossman



After a very successful ICOTS-7 in Brazil, we are already busy with organizing the IASE sessions at ISI 56. The ISI-biennial conference is the main conference of the International Statistical

Institute (ISI) and will be held in Lisbon, Portugal in August 2007. These conferences are held every two years. The last was in Sydney in 2005. As it does at each major ISI conference, the IASE will be organizing about 10 statistics education sessions for ISI 56. Please check the website at <http://www.isi2007.com.pt/> for more information, and contact the session organizers below if you would like to offer to speak in one of the sessions.

#### IASE sponsored IPMs and their organizers:

- IPM37 *Research on Reasoning about Distribution*,  
Joan Garfield ([jbg@umn.edu](mailto:jbg@umn.edu))
- IPM38 *How Modern Technologies Have Changed the Curriculum in Introductory Courses*,  
Lucette Carter ([luccette.carter@gmail.com](mailto:luccette.carter@gmail.com))

- IPM39 *Preparing Teachers of Statistics*,  
Allan Rossman ([arossman@calpoly.edu](mailto:arossman@calpoly.edu))
- IPM40 *Research on the Use of Simulation in Teaching Statistics and Probability*,  
Rolf Biehler ([biehler@mathematik.uni-kassel.de](mailto:biehler@mathematik.uni-kassel.de))
- IPM41 *Optimizing Internet-based Resources for Teaching Statistics* (cosponsored by IASC),  
Ginger Holmes Rowell ([rowell@mtsu.edu](mailto:rowell@mtsu.edu))
- IPM42 *Observational Studies, Confounding and Multivariate Thinking*,  
Milo Schield ([milo@pro-ns.net](mailto:milo@pro-ns.net))
- IPM43 *Teaching of Official Statistics* (cosponsored by IAOS),  
Sharleen Forbes ([Sharleen.Forbes@stats.govt.nz](mailto:Sharleen.Forbes@stats.govt.nz))
- IPM44 *Teaching of Survey Statistics* (cosponsored by IASS),  
Steve Heeringa ([sheering@isr.umich.edu](mailto:sheering@isr.umich.edu))
- IPM45 *Studying Variability through Sports Phenomena* (cosponsored by Sports Statistics),  
TBD
- IPM46 *Use of Symbolic Computing Systems in Teaching Statistics* (cosponsored by IASC),  
Zaven Karian ([Karian@Denison.edu](mailto:Karian@Denison.edu))

#### IASE Organizing Committee:

Allan J. Rossman (USA) [arossman@calpoly.edu](mailto:arossman@calpoly.edu)  
Gilberte Schuyten (Belgium) [gilberte.schuyten@UGent.be](mailto:gilberte.schuyten@UGent.be)  
Chris Wild (New Zealand) [c.wild@auckland.ac.nz](mailto:c.wild@auckland.ac.nz)

## *International Association for Statistical Education*

A section of the International Statistical Institute, 428 Prinses Beatrixlaan, PO Box 950, 2270 AZ Voorburg, The Netherlands

Tel: +31 70-3375737, Fax: +31 70-3860025, E-mail: [isi@cbs.nl](mailto:isi@cbs.nl)

ISI web page: <http://www.cbs.nl/isi> IASE web page: <http://www.stat.auckland.ac.nz/~iase>

For more information visit the ISI 56 website at <http://www.isi2007.com.pt/> or contact members of the OC.

## **IASE SATELLITE CONFERENCE ON ASSESSING STUDENT LEARNING IN STATISTICS**

Guimarães, Portugal, August 19–21, 2007

*Reported by Gilberte Schuyten*

I have great pleasure in making a further call for papers for the ISI/IASE Satellite Conference on Assessing Student Learning in Statistics. The meeting will be held on 19–21 August 2007 in Guimarães, Portugal immediately before ISI 56 in Lisbon. The fascinating historic city of Guimarães is about 50 km from the Portugal's second largest city, Oporto.

This satellite conference invites papers on all aspects of assessing student learning in statistics. For example, we expect to have papers on writing effective exam questions, on exam implementation strategies, and on alternative assessment methods such as projects, lab assignments, and writing assignments. We also encourage submissions on how to use assessment to improve student learning, and on developing and administering assessment items to conduct research into student learning. Proceedings will be available free at the publication page of the IASE.

### **Conference Committee**

Brian Phillips (Australia) (Joint Chair and Joint Chief Editor)  
[bphillips@swin.edu.au](mailto:bphillips@swin.edu.au)

Beth Chance (USA) (Joint Chair)  
[bchance@calpoly.edu](mailto:bchance@calpoly.edu)

Allan Rossman (USA)  
[arossman@calpoly.edu](mailto:arossman@calpoly.edu)

Ginger Rowell (USA)  
[rowell@mtsu.edu](mailto:rowell@mtsu.edu)

Gilberte Schuyten (Belgium)  
[gilberte.schuyten@UGent.be](mailto:gilberte.schuyten@UGent.be)

Larry Weldon (Canada) (Joint Chief Editor)  
[weldon@sfu.ca](mailto:weldon@sfu.ca)

### **Local Organiser:**

Bruno C. de Sousa (Portugal)  
[bruno@mct.uminho.pt](mailto:bruno@mct.uminho.pt)

For more information visit the website at  
<http://www.stat.auckland.ac.nz/~iase/conferences.php?show=iasestat07>.

### **Important deadlines**

IASE Satellite papers to be refereed:  
31 January, 2007

IASE Satellite papers not to be refereed:  
31 March, 2007

Authors must register for the meeting by:  
31 March, 2007

Other participants register for the meeting by:  
31 May, 2007

Final papers for proceedings:  
31 May, 2007

## **JOINT ICMI /IASE STUDY STATISTICS EDUCATION IN SCHOOL MATHEMATICS: CHALLENGES FOR TEACHING AND TEACHER EDUCATION**

*Reported by Carmen Batanero*

The International Commission on Mathematical Instruction (ICMI, <http://www.mathunion.org/ICMI/>) and the International Association for Statistical Education (IASE, <http://www.stat.auckland.ac.nz/~iase/>) are pleased to announce the Joint ICMI /IASE Study Statistics Education in School Mathematics: Challenges for Teaching and Teacher Education.

Following the tradition of ICMI Studies, this Study will comprise two parts: the Joint Study Conference and the production of the Joint Study book. The Joint Study Conference will be merged with the IASE 2008 Round Table Conference.

The Joint Study Conference (ICMI Study and IASE Round Table Conference) will take place at the Instituto Tecnológico y de Estudios Superiores. Monterrey, Mexico (<http://www.mty.itesm.mx/>), from June 30 to July 4, 2008. Participation in the Conference is only by invitation, based on a submitted contribution and a refereeing process. Accepted papers will be presented in the Conference and will appear in the Proceedings that will be published by the ICMI and the IASE as a CD-ROM and on the Internet.

The second part of the Joint Study – the Joint Study book – will be produced after the conference and will be published in the ICMI Study Series. Participation in the Joint Study Conference does not automatically assure participation in the book, since a second selection and rewriting of selected papers will be made after the conference.

Proposed papers for contributions to the Joint Study Conference should be submitted by e-mail no later than October 1, 2007, to the IPC Study Chair (Carmen Batanero, [batanero@ugr.es](mailto:batanero@ugr.es)). Papers should be relevant to the Joint Study focus and research questions, as described in the Discussion Document (which is available at the Joint Study Website ([http://www.ugr.es/~icmi/iase\\_study/](http://www.ugr.es/~icmi/iase_study/))). Guidelines for preparing and submitting the paper are also available in the Discussion Document. Please address questions to Carmen Batanero ([batanero@ugr.es](mailto:batanero@ugr.es)) or Joan Garfield ([jbg@umn.edu](mailto:jbg@umn.edu)).

### **International Programme Committee:**

Carmen Batanero (Spain)

Bernard Hodgson (Canada; ICMI representative)  
Allan Rossman (USA IASE representative)  
Armando Albert (México ITSM representative)  
Dani Ben-Zvi (Israel)  
Gail Burrill (USA)  
Doreen Connor (UK)  
Joachim Engel (Germany)  
Joan Garfield (USA)  
Jun Li (China)  
Maria Gabriella Ottaviani (Italy)  
Maxine Pfannkuch (New Zealand)  
Mokaeane Victor Polaki (Lesotho)  
Chris Reading (Australia)

**Local Organising Committee:**

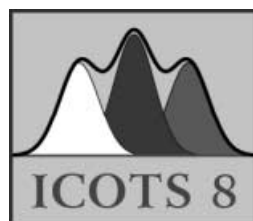
Blanca Ruiz (Chair)  
Tomás Sánchez  
Armando Albert

More information is available from Carmen Batanero  
(batanero@ugr.es) or from [http://www.ugr.es/~icmi/iase\\_study/](http://www.ugr.es/~icmi/iase_study/).

**ICOTS-8 DATA AND CONTEXT IN STATISTICS  
EDUCATION: TOWARDS AN EVIDENCE-BASED  
SOCIETY**

Ljubljana, Slovenia, 11–16 July 2010

*Reported by Gilberte Schuyten*



We are pleased to announce that the IASE Executive accepted the proposal made by the Statistical Society of Slovenia to hold ICOTS-8 in 2010 in Slovenia.

The decision was announced at the ICOTS-7 farewell dinner. The first steps towards organising have already been taken by the IASE Executive: the conference theme has been chosen and the Scientific and Local Committees have been appointed.

The conference theme 'Data and Context in Statistics Education' emphasises two concepts that are key concepts at nearly all levels of statistics education. The subtitle 'Towards an Evidence-Based Society' offers a gateway to reflections about the past, present and future status of statistics in society and about the impact of statistics education on learning objectives. We shall learn about statistics and see how we learn through the use of statistics.

**The International Programme Committee Executive**

IPC Chair: John Harraway  
Programme Chair: Roxy Peck

Information Manager: John Shanks  
Scientific Secretary: Helen MacGillivray  
Editor Proceedings: Alan McLean

**The Local Organising Committee**

LOC Chair: Andrej Blejec

**STATISTICS EDUCATION RESEARCH JOURNAL**

*Reported by Iddo Gal and Tom Short, Co-Editors*

We are pleased to announce the publication of the May 2006 issue, Vol. 5, No.1, of the Statistics Education Research Journal, SERJ. This new issue can be found on the SERJ webpage at: <http://www.stat.auckland.ac.nz/serj>. The whole issue can be downloaded as a single PDF (550 KB), or individual papers can be retrieved separately. Access to SERJ issues is free.

**Contents of SERJ Vol. 5, No. 1 (May 2006)**

Felicity Boyd Enders and Marie Diener-West:

Methods of Learning in Statistical Education: A Randomized Trial of Public Health Graduate Students

Marie-Paule Lecoutre, Katia Rovira, Bruno Lecoutre, and Jacques Poitevineau:

People's Intuition about Randomness and Probability: An Empirical Study

Daniel Canada:

Elementary Pre-Service Teachers' Conceptions of Variation in a Probability Context

J. Richard Alldredge and Gary R. Brown:

Association of Course Performance with Student Beliefs: An Analysis by Gender and Instructional Software Environment

This issue also contains an Editorial, and information about past and future conferences.

SERJ is the electronic peer-reviewed research journal of the IASE (International Association for Statistical Education). It is published under the auspices of the International Statistics Institute (<http://www.cbs.nl/isi>).

Instructions for contributors and additional information about the Journal's goals and policies, as well as archives of older issues, can be found on the SERJ website: <http://www.stat.auckland.ac.nz/serj>.

**USCOTS 2007 UNITED STATES CONFERENCE ON  
TEACHING STATISTICS**

Blackwell Hotel & Pfahl Conference Center, The Ohio State University May 17–19, 2007

*Reported by the Editors (from USCOTS web page)*

Would you like to kick your statistics course up a notch?

- Move past the intro course and design a second course, or even a statistics minor or major.
- Find ways to take student learning to the next level using technology.
- Raise your awareness of the latest statistics education research.
- Take your best teaching ideas to the next level by sharing with the national statistics education community.

The second biennial United States Conference on Teaching Statistics (USCOTS 07) will be held on May 17–19, 2007 at the Ohio State University in Columbus, Ohio, hosted by CAUSE, the Consortium for the Advancement of Undergraduate Statistics Education. The target audience for USCOTS is teachers of undergraduate and AP statistics, from any discipline or type of institution. Teachers from two-year colleges are particularly encouraged to attend.

The theme for USCOTS 07 is **Taking Statistics Teaching to the Next Level**. 'Next level' has many interpretations, such as developing a second course, gaining more confidence in teaching statistics, moving students beyond statistical literacy to statistical thinking, and using the latest technology to improve teaching and learning. USCOTS is a 'working conference' with many opportunities for hands-on activities, demonstrations, networking, sharing ideas, and receiving the latest information on research and best practices in teaching statistics. Leaders in statistics education will give plenary talks, including Jessica Utts, Paul Velleman, Dick DeVaux, Allan Rossman, and Mike Shaughnessy.

For more information and registration, visit the USCOTS web page: <http://www.causeweb.org/uscots/>.

### 2007 USCOTS LIFETIME ACHIEVEMENT AWARD IN STATISTICS EDUCATION

*Reported by Allan Rossman*

The Consortium for the Advancement of Undergraduate Statistics Education (CAUSE) is pleased to accept nominations for the 2007 USCOTS Lifetime Achievement Award in

statistics education. This biennial award is presented at the US Conference On Teaching Statistics to an individual who, over an extended period of time, has made lasting contributions with broad impact to the field of statistics education.

The award committee (George Cobb, Dennis Pearl, Roxy Peck and Deborah Rumsey) will review nominations arriving before February 1, 2007. A nomination letter should include a paragraph stating why the individual is deserving of the award and be signed by three nominators. Letters may be sent by e-mail or post to:

Dennis Pearl  
 Director, CAUSE  
 OSU Department of Statistics  
 1958 Neil Avenue  
 Columbus, OH 43210-1247  
 E-mail: [Pearl.1@osu.edu](mailto:Pearl.1@osu.edu)

More information is available at <http://www.causeweb.org/uscots/awards/>.

### AWARDS AND APPOINTMENT

*Reported by the editors*

At the ICOTS 7 meeting in Salvador, life membership in the IASE was conferred on **Carmen Batanero** (University of Granada Department of Mathematics Education), former president of the IASE.

**Susan Starkings**, Head of Skills Unit, London South Bank University was awarded by the prestigious National Teaching Fellow (NTF) award that recognises and rewards teachers and learning support staff in higher education in England and Northern Ireland for their excellence in teaching.

We are pleased to announce, that **Juana Sanches** (UCLA Department of Statistics) was appointed as the new Director of the International Statistical Literacy Program (ISLP). For information about the ISLP visit their home page at <http://course1.winona.edu/cblumberg/islphome.htm>.