

## PAST IASE CONFERENCES

### 1. SRTL-4 THE FOURTH INTERNATIONAL RESEARCH FORUM ON STATISTICAL REASONING, THINKING AND LITERACY Auckland, New Zealand, July 2-7, 2005

We are pleased to announce the publication of *Reasoning about Distributions: A Collection of Current Research Studies*, a unique CD that contains research papers on reasoning about distributions presented at the Fourth International Research Forum on Statistical Reasoning, Thinking and Literacy (SRTL-4) held in July 2005 at the University of Auckland, New Zealand. Many of these papers (all written in English) contain video segments (in English or with English subtitles) of student or teacher interviews, or learning interactions. The video segments and research studies provide a rich resource for researchers and teachers. Note: revised versions of some of these papers will appear in a special issue of the IASE *Statistics Education Research Journal* in November 2006. However, they will not contain video links and not all papers in the CD will be in this issue.

Due to ethical agreements with participants in the research studies, the video segments included on the CD are to be used only for research purposes. For any other purpose (e.g., professional development), permission must be obtained from individual authors. The CDs are available for a minimal cost that covers materials and postage. They may be purchased from Dr. Katie Makar (k.makar@uq.edu.au) at the University of Queensland (Australia).

## **OTHER PAST CONFERENCES**

**1. INTERNATIONAL CONFERENCE OF THE MATHEMATICS EDUCATION  
INTO THE 21ST CENTURY PROJECT: “REFORM, REVOLUTION AND  
PARADIGM SHIFTS IN MATHEMATICS EDUCATION”  
Johor Bharu, Malaysia, November 25 – December 1, 2005**

The proceedings (available on the web, see below) contain the papers presented at the International Conference on Reform, Revolution and Paradigm Shifts in Mathematics Education held from November 25 to December 1st, 2005 at the Hotel Eden Garden, Johor Bahru, Malaysia. This Conference was organized jointly by Universiti Teknologi Malaysia and The Mathematics Education into the 21st Century Project - a non-commercial international educational project founded in 1986. Our Project is dedicated to the improvement of mathematics education worldwide through the publication and dissemination of innovative materials and ideas.

The title Reform, Revolution and Paradigm Shifts in Mathematics Education derives from Kuhn’s seminal work on “The Structure of Scientific Revolutions” which made popular the concept of “paradigm shift,” and the work of Lakatos which revealed the essentially creative and human nature of progress in science and mathematics. We hope these powerful ideas will help to inspire our conference. For further conference and project details email to Alan Rogerson (arogerson@inetia.pl).

Website with full paper access:

[http://math.unipa.it/~grim/21\\_project/21\\_malasya\\_2005.htm](http://math.unipa.it/~grim/21_project/21_malasya_2005.htm)

**2. ASIAN TECHNOLOGY CONFERENCE IN MATHEMATICS, ATCM2005  
Cheong-Ju, South Korea, December 12-16, 2005**

The 10th Annual conference of Asian Technology Council in Mathematics (ATCM) on the theme Enriching Technology in Enhancing Mathematics for All was hosted by Korea National University of Education in Cheong-Ju, South Korea. The aim of this conference was to provide a forum for educators, researchers, teachers and experts in exchanging information regarding enriching technology to enhance mathematics learning, teaching and research at all levels. The conference covered a broad range of topics on the application and use of technology in Mathematics research and teaching.

Website with full paper access:

<http://www.atcminc.com/mPublications/EP/EPATCM05/enter.shtml>

## FORTHCOMING IASE CONFERENCES



### 1. ICOTS-7: WORKING COOPERATIVELY IN STATISTICS EDUCATION

Salvador (Bahia), Brazil, July 2-7, 2006

The International Association for Statistical Education (IASE) and the International Statistical Institute (ISI) are organizing the Seventh International Conference on Teaching Statistics (ICOTS-7) which will be hosted by the Brazilian Statistical Association (ABE) in Salvador (Bahia), Brazil, July 2-7, 2006.

Information about ICOTS-7 is on the website: <http://www.maths.otago.ac.nz/icots7> and in particular under the "Registration" tab, where there is information about registration, paper preparation, accommodation, and tours.

There are reduced fees for IASE/ISI members, and participants from Latin American or Developing Countries. There are 550 delegates registered from 60 countries. It promises to be an exciting conference. A large number of Brazilian school teachers are also attending a workshop just prior to the conference.

The abstracts for all the papers, plenary, invited and contributed, are on the website. There is also a list of all the posters. An Abstract Book with all this information will be provided in Salvador.

The conference timetable is also on the website and can be inspected to allow you to plan your activities during the conference. The timetable and other organizational details will be available in a Delegates' Handbook which will accompany the Abstract Book.

### 2. SRTL-5

#### THE FIFTH INTERNATIONAL RESEARCH FORUM ON STATISTICAL REASONING, THINKING AND LITERACY

The University of Warwick, Coventry, UK, August 11 - 17, 2007

#### **Reasoning about Statistical Inference: Innovative Ways of Connecting Chance and Data.**

The Forum's focus will be on informal ideas of inference rather than on formal methods of estimation and tests of significance. This topic is emerging from the presentations and discussions at SRTL-3 and 4 and is a topic of current interest to many researchers as well as teachers of statistics. As new courses and curricula are developed, a greater role for informal types of statistical inference is anticipated, introduced early, revisited often, and developed through use of simulation and technological tools. We encourage research papers that address reasoning about statistical inference at all levels of education including the professional development of elementary and secondary teachers.

## 2.1. TOPICS

We encourage submission of research papers that address questions such as the following:

1. What are the simplest forms of statistical inference that students can understand?
2. How does reasoning about statistical inference develop from the simplest forms (informal) to the more complex ones (formal)?
3. How can instructional tasks and technological tools be used to promote the understanding of statistical inference?
4. What are sequences of activities that can help student develop a conceptual understanding of statistical inference?
5. What types of misconceptions are found in students' reasoning about statistical inference?
6. What types of foundational knowledge and reasoning are needed for students to understand and reason about statistical inference?
7. How do students develop an understanding of the language used in describing statistical inference (e.g., significance, confidence)?
8. How does an understanding of statistical inference connect and effect understanding of other statistical concepts?
9. What are useful items and questions to use to assess understanding of statistical inference?

## 2.2. THE LOCAL SRTL-5 ORGANIZERS

Janet Ainley, [janet.ainley@warwick.ac.uk](mailto:janet.ainley@warwick.ac.uk)

Dave Pratt, [dave.pratt@warwick.ac.uk](mailto:dave.pratt@warwick.ac.uk)

For more information visit the SRTL-5 website: <http://srtl.stat.auckland.ac.nz/>

## 3. IASE SATELLITE CONFERENCE ON ASSESSING STUDENT LEARNING IN STATISTICS Guimaraes, Portugal, August 19-21, 2007

### 3.1. THEME

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 assessments items to conduct research into student learning. Proceedings will be available free at the publication page of IASE

### 3.2. 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)

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 Larry Weldon (Canada) (Joint Chief Editor) weldon@sfu.ca  
 Local Organiser: Bruno C. de Sousa (Portugal) bruno@mct.uminho.pt

For more information visit the website at

<http://www.stat.auckland.ac.nz/~iase/conferences.php?show=iasestat07>



#### **4. THE 2007 SESSION OF THE INTERNATIONAL STATISTICAL INSTITUTE, ISI-56 Lisboa, Portugal, August 22 – 29, 2007**

The 56<sup>th</sup> Session of the International Statistical Institute (ISI) will be held in Lisboa, Portugal. IASE is usually very active at ISI meetings (see *SERJ* 4(1) for the report of IASE activities at ISI-55 in Sydney) and will sponsor a list of Invited Paper Meetings (IPMs).

##### **4.1. IPMs SPONSORED BY THE IASE**

- IPM37 *Research on reasoning about distribution*,  
Joan Garfield (jbg@umn.edu)
- IPM38 *How modern technologies have changed the curriculum in introductory courses*,  
Lucette Carter (lucette.carter@gmail.com)
- IPM39 *Preparing teachers of statistics*,  
Allan Rossman (arossman@calpoly.edu)
- IPM40 *Research on the use of simulation in teaching statistics and probability*,  
Rolf Biehler (biehler@mathematik.uni-kassel.de)
- IPM41 *Optimizing internet-based resources for teaching statistics* (cosponsored by IASC),  
Ginger Holmes Rowell (rowell@mtsu.edu)
- IPM42 *Observational studies, confounding and multivariate thinking*,  
Milo Schield (milo@pro-ns.net)
- IPM43 *Teaching of official statistics* (cosponsored by IAOS) ,  
Sharleen Forbes (Sharleen.Forbes@stats.govt.nz)
- IPM44 *Teaching of survey statistics* (cosponsored by IASS),  
Steve Heeringa (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)

##### **4.2. IASE ORGANIZING COMMITTEE:**

Allan J. Rossman (USA) arossman@calpoly.edu  
 Gilberte Schuyten (Belgium) gilberte.schuyten@UGent.be  
 Chris Wild (New Zealand) c.wild@auckland.ac.nz  
 For more information visit the ISI 56 website at <http://www.isi2007.com.pt/> or contact members of OC.

## **OTHER FORTHCOMING CONFERENCES**

### **1. JOINT STATISTICAL MEETINGS 2006 Seattle WA, USA, August 6 – 10, 2006**

JSM (the Joint Statistical Meetings) is the largest gathering of statisticians held in North America. It is held jointly with the American Statistical Association, the International Biometric Society (ENAR and WNAR), the Institute of Mathematical Statistics, and the Statistical Society of Canada. Attended by over 5000 people, activities of the meeting include oral presentations, panel sessions, poster presentations, continuing education courses, exhibit hall (with state-of-the-art statistical products and opportunities), career placement service, society and section business meetings, committee meetings, social activities, and networking opportunities. Seattle is the host city for JSM 2006 and offers a wide range of possibilities for sharing time with friends and colleagues. For information, contact [jsm@amstat.org](mailto:jsm@amstat.org).

Website: <http://www.amstat.org/meetings/jsm/2006/>

### **2. THE 11TH ASIAN CONFERENCE IN MATHEMATICS ATCM 2006 Hong Kong SAR, China, December 12-16, 2006**

#### **2.1. CONFERENCE THEME**

The aim of this conference with a theme *Advancing and Fostering Mathematical Sciences and Education through Technology* is to provide a forum for educators, researchers, teachers and experts in exchanging information regarding enhancing technology to enrich mathematics learning, teaching and research at all levels. English is the official language of the conference.

#### **2.2. TOPICS OF INTERESTS**

The conference will cover a broad range of topics on the application and use of technology in Mathematics research and teaching. Though Statistics can be recognized in many proposed themes, a special theme *Statistics using Dynamic Statistics Software* might be of special interest for the readers.

Website: <http://www.atcminc.com/mConferences/ATCM06/index.shtml>

### **3. THE 6TH ANNUAL HAWAII INTERNATIONAL CONFERENCE ON STATISTICS, MATHEMATICS AND RELATED FIELDS Honolulu, Hawaii, January 17 – 19, 2007**

The 6th Annual Hawaii International Conference on Statistics, Mathematics and Related Fields will be held at the Renaissance Ilikai Waikiki Hotel in Honolulu, Hawaii. The 2007 Hawaii International Conference on Statistics, Mathematics and Related Fields will be the gathering place for academicians and professionals from statistics and mathematics related fields from all over the world.

The main goal of the 2007 Hawaii International Conference on Statistics, Mathematics and Related Fields is to provide an opportunity for academicians and professionals from various statistics and/or mathematics related fields from all over the world to come together and learn from each other. An additional goal of the conference is

to provide a place for academicians and professionals with cross-disciplinary interests related to statistics and mathematics to meet and interact with members inside and outside their own particular disciplines.

Website: <http://www.hicstatistics.org/>