

PAST IASE CONFERENCES

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) organized the Seventh International Conference on Teaching Statistics (ICOTS-7) which was 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>

Abstracts for all papers (plenary, invited and contributed) and a list of all posters are on the website.

ICOTS-7 papers are available at <http://www.stat.auckland.ac.nz/~iase/publications.php>

OTHER PAST CONFERENCES

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.

The conference produced an impressive abstract book of 530 pages, which is available at the conference website or directly. The abstract book is packed with interesting abstracts of papers dealing with statistics education, statistical literacy, and other issues of interest. Most of the interesting papers can be found by use of keyword “Statistical Education.”

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

FORTHCOMING IASE CONFERENCES

SRTL-5 THE FIFTH INTERNATIONAL RESEARCH FORUM ON STATISTICAL REASONING, THINKING, AND LITERACY 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.

TOPICS

Research presented at the conference will 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 affect understanding of other statistical concepts?
9. What are useful items and questions to use to assess understanding of statistical inference?

THE LOCAL SRTL-5 ORGANIZERS

Janet Ainley, janet.ainley@warwick.ac.uk

Dave Pratt, dave.pratt@warwick.ac.uk

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

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

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

CONFERENCE COMMITTEE

Brian Phillips (Australia) (Joint Chair and Joint Chief Editor) bphillips@swin.edu.au
 Beth Chance (USA) (Joint Chair) bchance@calpoly.edu
 Allan Rossman (USA) arossman@calpoly.edu
 Ginger Rowell (USA) rowell@mtsu.edu
 Gilberte Schuyten (Belgium) gilberte.schuyten@UGent.be
 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:

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

ISI-56

**THE 2007 SESSION OF THE INTERNATIONAL STATISTICAL INSTITUTE
Lisboa, Portugal, August 22 – 29, 2007**



The 56th Session of the International Statistical Institute (ISI) will be held in Lisboa, Portugal. As it does at each major ISI conference, 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

- 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)
- IPM92 *Statistical Education and Literacy in the 21st Century* (cosponsored by INE),
Pedro Campos (pcampos@fep.up.pt)

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 IASE OC.

**JOINT ICMI /IASE STUDY
STATISTICS EDUCATION IN SCHOOL MATHEMATICS:
CHALLENGES FOR TEACHING AND TEACHER EDUCATION
Monterrey, Mexico, June 30 to July 4, 2008**

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 ICMI and 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). 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/)). Guidelines for preparing and submitting the paper are also available in the Discussion Document. Please address questions to Carmen Batanero, batanero@ugr.es or Joan Garfield, 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)
 Mokaean Victor Polaki (Lesotho)
 Chris Reading (Australia)

LOCAL ORGANISING COMMITTEE:

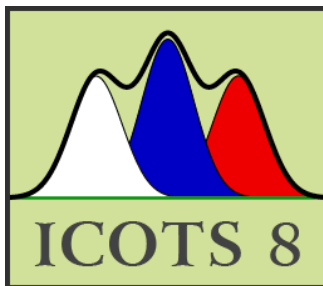
Blanca Ruiz (Chair)
 Tomás Sánchez
 Armando Albert

More information is available from Carmen Batanero, batanero@ugr.es or from http://www.ugr.es/~icmi/iase_study/

ICOTS-8

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

Ljubljana, Slovenia, 11-16 July 2010



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.

OTHER FORTHCOMING CONFERENCES

THE 11TH ASIAN CONFERENCE IN MATHEMATICS ATCM 2006

Hong Kong SAR, China, December 12-16, 2006

CONFERENCE THEME

The aim of this conference with the 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.

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 particular interest.

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

THE 6TH ANNUAL HAWAII INTERNATIONAL CONFERENCE ON STATISTICS, MATHEMATICS AND RELATED FIELDS

Honolulu HI, USA, 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/>

USCOTS 2007

UNITED STATES CONFERENCE ON TEACHING STATISTICS

Columbus OH, USA, May 17-19, 2007

The second biennial United States Conference on Teaching Statistics (USCOTS 2007) 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 2007 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, idea sharing, 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 DeVeaux, Allan Rossman, and Mike Shaughnessy.

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

2007 JOINT STATISTICAL MEETINGS
Salt Lake City UT, USA, July 29 - August 2, 2007

The 2007 Joint Statistical Meetings will be held July 29 - August 2, 2007 at the Salt Palace Convention Center located at 100 South West Temple, Salt Lake City, Utah 84101.

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 at the meeting include oral presentations, panel sessions, poster presentations, continuing education courses, an 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. Salt Lake City is the host city for JSM 2007 and offers a wide range of possibilities for sharing time with friends and colleagues. For information, contact jsm@amstat.org

Website: <http://www.amstat.org/meetings/jsm/2007/>

JOINT SOCR (STATISTICS ONLINE COMPUTATIONAL RESOURCE)
CAUSEWAY CONTINUING EDUCATION WORKSHOP 2007
UCLA, Los Angeles CA, USA, 6-8 August 2007

The 2007 joint SOCR/CAUSEway continuing education workshop aims at demonstrating the functionality, utilization and assessment of the current UCLA, SOCR and CAUSEweb resources. This workshop will be of most value to AP teachers and college instructors of probability and statistics classes who have interests in exploring novel IT-based approaches for enhancing statistics education. The workshop will provide an interactive forum for the exchange of ideas and recommendations for strategies to integrate computers, modern pedagogical approaches, the Internet and new student assessment techniques.

For further information:

http://wiki.stat.ucla.edu/socr/index.php/SOCR_Events_Aug2007/

9TH INTERNATIONAL CONFERENCE OF THE MATHEMATICS
EDUCATION INTO THE 21ST CENTURY PROJECT
MATHEMATICS EDUCATION IN A GLOBAL COMMUNITY
Charlotte NC, USA, September 7 - 13, 2007

The Mathematics Education into the 21st Century Project has just completed its eighth successful international conference in Malaysia, following conferences in Egypt,

Jordan, Poland, Australia, Sicily, Czech Republic and Poland. Our project was founded in 1986 and is dedicated to the planning, writing and dissemination of innovative ideas and materials in Mathematics and Statistics Education. The next conference is planned for September 7 - 13, 2007 in Charlotte, North Carolina. The chairman of the Local Organising Committee is Dr. David K. Pugalee, of the University of North Carolina Charlotte. The conference will open with an evening welcome reception on Friday, September 7th and finish with lunch on September 13th. The title of the conference is *Mathematics Education in a Global Community*. Papers are invited on all innovative aspects of mathematics education. Our conferences are renowned for their friendly and productive working atmosphere. They are attended by innovative teachers and mathematics educators from all over the world, 25 countries were represented at our last conference for example.

More information: Alan Rogerson, arogerson@inetia.pl

Website: <http://math.unipa.it/~grim/21project.htm>