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

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IASE Satellite Conferences

Brian Phillips, bphillips@swin.edu.au

The ISI Biennial Sessions bring together many academic, government and private sector statisticians and related experts from all over the world. These meetings attract over 2000 participants and cover a wide cross section of statistical fields. They have included regular presentations on statistics education, particularly since the formation of the ISI Education Committee in 1949 and more especially since the founding of the IASE in 1991. However these sessions were spread throughout the long ISI meeting, usually about 10 days long. This meant that people who were mainly interested in a specific topic such as statistical education, could be frustrated with the lack of sessions of specific interest to them during the long ISI meeting. To take advantage of the fact that people were already meeting at the ISI destination, for many years there have been a number of satellite meetings and workshops arranged by other sections of the ISI run either just before or just after these meetings. As well as having the benefit of providing people with the opportunity to meet and discuss their special interest topic in depth, they provided them with a support group to interact and network with during the main conference. When planning for ICOTS 6 in 2002, whose theme was *Developing a Statistically Literate Society*, some members of the IASE thought that a pilot session on the topic in the form of an ISI satellite meeting would be a worthwhile.

So for the Seoul ISI session in 2001, the IASE decided to hold a satellite meeting leading into the main ISI meeting. The theme of this meeting was *Statistical Literacy*. This satellite conference was jointly organised by the IASE and The Korean Statistical Education & Consulting Section of the Korean Statistical Society and immediately preceded and was held in the Convention and Exhibition Center, the same building as the ISI conference was held. The local organiser was Professor Yong Goo Lee from Chung Ang University, Seoul and Brian Phillips, Swinburne University, Australia was the Program Chair. It gave the opportunity for people to enjoy presentations given by people who had a special interest in statistical literacy. There were 15 invited talks given by authors from nine countries with over 60 participants, about half from Korea. The presentations included discussions of the main components in statistical literacy and the relevance of statistical literacy in the general education of citizens. The approach was non-technical, suitable for a non-specialist audience who would like to learn how to make better use of probability and statistical ideas in their everyday and working lives in areas in which chance and risk are involved. This meeting was mainly attended by statistics educators but was intended to be of interest to a wide cross section of society including teachers, educational administrators, researchers in statistical education and in probabilistic reasoning and others who wanted to gain a better grasp of statistics in general and who would like to broaden their knowledge of statistics applications. Details of the meeting and most of the papers can be found on the web page <http://www.swin.edu.au/math/iase/statlit.html>.

With the success of the first satellite meeting, a second Satellite Conference was held just before the 54th Biennial Session of the ISI in Berlin in August, 2003. The conference was organized by the IASE in cooperation with the International Statistical Institute, the Stochastics Section of the German Society for Mathematics Education, German Mathematical Association (special interest group on Probability and Statistics), the German Statistical Society and the Max-Planck-Institute for Human Development. The theme of the meeting was *Statistics and the Internet* and was held in the Max-Planck-Institute for Human Development, Berlin; see <http://www.ph-ludwigsburg.de/iase/> for details of the

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IASE web page: <http://www.cbs.nl/isi>

meeting and copies of the papers. The Scientific Program Committee was jointly chaired by Joachim Engel (Germany) and Larry Weldon (Canada).

There were 17 invited talks and 77 registered participants from a wide range of countries. Following the interest shown in having papers refereed at ICOTS 6, it was decided to offer a refereeing option and most of the papers were accepted as refereed papers by a review of peers. Refereeing added an important dimension in improving the academic standing of the papers. The aim of the Satellite Conference was to discuss the implications of the Internet for teaching and learning statistics: web based teaching, learning, materials and resources. Topics included an overview of Internet resources for statistics education, the use of the Internet in statistics classes and in teaching and assessment, research on how students learn or about what they learn in teaching environments based on the web, and challenges for statistics education at the Internet age. A CD of the meeting contains all the invited papers and a summary of the posters. In addition, it contains a list of all registrants, a schedule of events, and a message from the Scientific Organizing Committee. These are also available from the web site.

The third IASE Satellite Conference is to be held on 4-5 April 2005, Sydney, Australia and will immediately precede the 55th ISI Biennial Session in Sydney. It has the theme *Statistics Education and the Communication of Statistics*. This satellite meeting is jointly organised by the IASE and the Victorian Branch of the Statistical Society of Australia and is designed for people who have a special interest in communicating data-based results. The joint chairs are Brian Phillips and Kay Lipson, both from Australia. For more details see <http://www.stat.auckland.ac.nz/~iase/conferences.php?show=iase2005>.

The presentations are planned to include discussions of the main components in statistical communication and the relevance of statistical communication in the general education of citizens.

The approach at the satellite will be non-technical, suitable for both a specialist and non-specialist audience who would like to learn how to better communicate the statistical ideas which occur in their everyday and working lives. As with the other IASE satellites, this meeting is intended to be of interest to a wide cross section of society including teachers, educational administrators, researchers in statistical education and in probabilistic reasoning and others who want to gain a better grasp of how to communicate statistics in general. It should also be of interest to people concerned with interpreting sociological, economical, political, scientific or educational reports, predicting sports results, by policy makers, journalists, health professionals and others

from the general population. Almost 30 abstracts have been submitted and it is expected there will be about 25 talks. The authors again have the option of having their papers refereed and it is planned they will be presented on a CD and also be made available on a web site. The program will be run in the Sydney Convention Centre, the same site as the ISI meeting. These short satellite meetings are proving very popular, giving participants the opportunity to spend up to two days focusing on a special interest topic before immersing themselves in the sometimes overwhelming atmosphere of an ISI meeting. Each has been intended to be of interest to a wide cross section of society including teachers, educational administrators, and researchers in statistical education. It is hoped this activity is continued in the future.

FORTHCOMING IASE ACTIVITIES

ICOTS-7, Working Cooperatively in Statistics Education, Salvador (Bahia), Brazil, July 2-7, 2006



CALL
FOR
PAPERS

Statistics educators, statisticians, teachers and educators at large are invited to contribute to the scientific programme. Types of contribution include invited papers, contributed papers and posters. Voluntary refereeing procedures will be implemented for ICOTS7. Details of how to prepare manuscripts, the refereeing process and final submission arrangements will be announced later.

Invited Paper Sessions are organized within 9 different Conference Topics. The list of Sessions themes, with email contact for Session Organisers is available at the ICOTS-7 web site at <http://www.maths.otago.ac.nz/icots7>

Contributed Paper Sessions will be arranged in a variety of areas. Those interested in submitting a contributed paper should contact either Joachim Engel (Engel_Joachim@ph-ludwigsburg.de) or Alan McLean (alan.mclean@buseco.monash.edu.au) before September 1, 2005.

Those interested in submitting a **poster** should contact Celi Lopes (celllopes@uol.com.br) before February, 1, 2006.

There are meetings of **Special Interest Groups** of people who are interested in exchanging and discussing experiences and/ or projects. Proposals to

hold a SIG Meeting specifically oriented to reinforce Latin American statistics education cooperation are welcome. In this case the organisers may decide to hold the meeting in Portuguese and Spanish language. Please note that participation in a SIG is limited and allocated on a "first come first served" basis. The following SIGs have been already organised.

SIG1. *Training Mathematics Teachers to Teach Statistics in Spanish and Portuguese Speaking Countries*. Organisers: Margarida Cesar (Portugal), macesar@fc.ul.pt and Teresita Terán (Argentina), teresitateran@hotmail.com (Portuguese and Spanish).

SIG2. *Young Latin American Researchers in Statistics Education*. Organisers: Cileda Coutinho (Brazil), cileda@pucsp.br and Blanca Ruiz (Mexico), bruiz@ltesm.mx (Portuguese and Spanish).

SIG3. *International Research Forum on Statistical Reasoning, Thinking and Literacy*. Organisers: Dani Ben-Zvi (Israel), dbenzvi@univ.haifa.ac.il and Joan B. Garfield (USA), jbg@umn.edu (English).

SIG4. *Curricular Development in Statistics Education in Latin America*. Organisers: Olga Leticia Escudero (México), olgal@sep.gob.mx and Clayde Regina Mendes (Brazil) clayde@uol.com.br (Portuguese and Spanish).

Individuals or groups may submit proposals to establish a Special Interest Group to Carmen Batanero (batanero@ugr.es). Only clearly non-commercial SIGs will be accepted in the scientific programme. The IPC is in charge of reviewing and accepting SIG proposals. Local Organizers: Pedro Alberto Morettin, (Chair), Lisbeth K. Cordani, Clélia Maria C. Toloí, Wilton de Oliveira Bussab and Pedro Silva.

IPC Executive: Carmen Batanero (Chair), Susan Starkings (Programme Chair), Allan Rossman and Beth Chance (Editors of Proceedings), John Harraway (Scientific Secretary) and Lisbeth Cordani (Local organisers representative).

More information is available from the ICOTS-7 web site at <http://www.maths.otago.ac.nz/icots7> or from Carmen Batanero (batanero@ugr.es), Susan Starkings (starkisa@lsbu.ac.uk) and John Harraway (jharraway@maths.otago.ac.nz).

IASE Satellite Conference on Statistics Education and the Communication of Statistics, Sydney, Australia, April 4-5, 2005

Joint organisers: Brian Phillips bphillips@swin.edu.au and Kay Lipson klipson@swin.edu.au

The third IASE satellite conference is described above. For more information see

<http://www.stat.auckland.ac.nz/iasestat05/>

IASE Activities at the 55th Session of the ISI, Sydney, Australia, April 5-12, 2005

Chris Wild, Chair, c.wild@auckland.ac.nz.

Information of these IASE activities was given in the autumn issue 2004. For more information about ISI 55th Biennial Session and IASE activities at ISI 55, respectively, see the websites at

<http://www.tourhosts.com.au/isi2005/> and

<http://www.stat.auckland.ac.nz/iase55>

SRTL-4: The Fourth International Research Forum on Statistical Reasoning, Thinking, and Literacy, Auckland, New Zealand, July 2-7, 2005.

Maxine Pfannkuch, m.pfannkuch@auckland.ac.nz

Information was given in the autumn issue 2004. If you are interested in finding out more, see the SRTL-4 web site at <http://www.stat.auckland.ac.nz/srtl4>

REPORT ON IASE AND IASE-RELATED ACTIVITIES

IASE 2004 Research Round Table on Curricular Development in Statistics Education, Lund, Sweden, June 28 - July 3, 2004

Report by Gail Burrill, Chair, burrill@msu.edu

Abstracts of the papers and the roundtable agenda are available on the website

http://hobbes.lite.msu.edu/~IASE_2004_Roundtable/.

The proceedings, which will include the recommendations of working groups on technology and its relation to the curriculum, research and the statistics curriculum, teacher education, reflections for IASE, and curriculum frameworks should be available through the IASE website in early 2005.

ICME-10 - TSG 11 - Research and development in the teaching and learning of probability and statistics, Copenhagen, Denmark, July 4-11, 2004

Report by Joe Wisenbaker, joe@coe.uga.edu

As a part of the overall program, Topic Study Group 11 was organized around the theme of research and development in the teaching and learning of probability and statistics. TSG11 was organized by a representative team, many of whose members have longstanding ties with the IASE. The presentations made for TSG11 at the meeting in Copenhagen were organized into four sessions: 'Exemplary Work in Statistics Education', 'Research on Reasoning about Variation and the Use of Technology in Statistics Education', 'Issues in Teaching Statistics from Multiple Perspectives' and 'Exploring Issues of Reasoning about Distribution, Data and Graphs'.

Nearly all of the invited presentations and papers selected for presentation were posted to the website at www.icme-organisers.dk/tsg11/.

The ICME organizers intend that site to remain available until ICME11 in the summer of 2008

NEWS FROM AROUND THE WORLD

CERME 4, Sant Feliu de Guíxols, Spain, February 17-21, 2005.

The Fourth Conference of the European Society for Research in Mathematics Education is designed to foster a communicative spirit. It deliberately and distinctively moves away from research presentations by individuals towards collaborative group work. Group 5, Stochastic Thinking (Research on probabilistic and statistical thinking) is one such group and will have 12 hours over four days in which to meet and progress its work. For further details, please see http://fcis1.wie.warwick.ac.uk/~dave_pratt/Group5CERMEInvite.doc or contact Dave Pratt, the Group 5 Coordinator, by email: dave.pratt@warwick.ac.uk

US-COTS, Columbus, Ohio, US, May 17-19, 2005.

Communicated by Joan Garfield

This major U.S. conference on teaching statistics is sponsored by CAUSE, a new Consortium for the Improvement of Undergraduate Statistics Education (CAUSE director, Dennis Pearl, Ohio State University, USA pearl.1@osu.edu, <http://www.CAUSEweb.org>).

Arising from strategic initiatives of the American Statistical Association (ASA), mission of the Consortium for the Advancement of Undergraduate Statistics Education (CAUSE) is to support and advance undergraduate statistics education in four target areas: resources, professional development, outreach, and research. This consortium now involves participation from individuals at approximately forty institutions and recently won major funding from the National Science Foundation to create a digital library of resources for statistics instructors at CAUSEweb.org. This broad resource collection includes everything from teaching tips to computer laboratories to lecturing examples to cartoons for classroom use. An important feature of the digital library is the review of materials by an editorial board of experienced statistics educators. The CAUSEweb.org site also highlights an array of materials for those interested in statistics education research.

ICE-EM Newsletter

The newly-established International Centre of Excellence for Education in Mathematics (ICE-EM) has published its first newsletter, available at <http://www.ice-em.org.au>

The charter of ICE-EM covers mathematics education in schools and universities, as well as business and industry. The newsletter includes details of upcoming

postgraduate courses sponsored by ICE-EM that may be of interest to statisticians.

GAISE New Draft Guidelines for Assessment and Instruction in Statistics Education

Donald Macnaughton, donmac@MATSTAT.COM

To advance statistics education, the American Statistical Association (ASA) has funded a project to develop Guidelines for Assessment and Instruction in Statistics Education (GAISE). The project is made up of two groups of eminent statistics educators, with one group focusing on PreK-12 education, and with the other group focusing on the introductory college course. Both groups have written draft guidelines that, when complete, will help substantially to improve statistics education. These guidelines have been placed on the web to enable interested readers to see them and to perhaps make suggestions for improvements. They are at <http://it.stlawu.edu/~rlock/gaise>

A New Website Containing Statistical Puzzles

Puzzles are powerful teaching/learning devices. Sky Huck (University of Tennessee, USA) is developing a new website <http://www.StatPuzzles.com> for use in secondary and post-secondary education. The primary goal is to increase students' statistical knowledge and understanding without the traditional "carrots" and "sticks" used in academic courses. Another goal is to show that statistics can be fun. If you have created or have come across a good statistical puzzle, please consider submitting it electronically for possible inclusion in the new website. A "credit line" will be paired with each puzzle indicating who invented or found it.

Submit your statistical puzzle(s) via email to shuck@utk.edu or via fax to +1-865-9740135 or mail them to S. Huck, Dept. of Educational Psychology, University of Tennessee, Knoxville, TN 37996-3452 USA.

Website for Upcoming conferences

If you have a conference that is of interest to statistical education, please contact Andrej Blejec (email: andrej.blejec@Uni-Lj.si) who will add it to the IASE website. The IASE main page for communicating about conferences is

<http://www.stat.auckland.ac.nz/~iase/conferences.php>
so have look to see what is upcoming.