



INTERNATIONAL ASSOCIATION FOR STATISTICAL EDUCATION

<http://www.cbs.nl/isi/iase.htm>

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1. IASE Statistics Education Research Group

Plans for the new IASE Statistics Education Research Group (SERG) are still evolving. Recent discussions among the IASE Executive Committee have focused on the role of IASE SERG in holding small, focused, research fora. In addition to IASE Round Table Conferences (which are only held every four years in connection with ICME conferences), which are more formal conferences requiring much planning and preparation, the IASE SERG has decided to help endorse and coordinate more frequent Research Fora (such as International Research Forum on Statistical Reasoning, Thinking and Literacy, SRTL-1, held in Israel last summer). The Second International Research Forum on Statistical Reasoning, Thinking, and Literacy (SRTL-2) will be supported by IASE under the banner of SERG.

Additional fora will be organized to complement the IASE Round Table Conferences, linking them with the ISI sessions every two years starting from ISI 54 in Berlin. These IASE endorsed conferences or fora will begin to charge non-IASE Members a sum of money above the standard rate which would pay for one year's membership of IASE.

Joan Garfield, Gabriella Ottaviani, John Truran and Carmen Batanero have been nominated to serve as a committee to organize the IASE Statistical Education Research Group's work.

2. Results of Voting on IASE Statutes

In a recent survey of IASE members concerning some changes to the IASE statutes, the following motions have been approved:

1. The number of Vice Presidents have been increased from 4 to 5.
2. The immediate past president will be a member of the Executive Committee.
3. The category of honorary membership was created.

These welcome changes will assist the executive carry out the increasing NUMBER OF tasks it has to deal with. The IASE Executive Committee WOULD LIKE TO thank those members who supported these proposals.

3. IASE Membership

Brian Phillips, IASE President

As it is critical for the survival and growth of the IASE that we have a strong membership, it has been very pleasing to welcome over 50 new members to the Association over the past six months from diverse regions including North, Central and South America, Europe and Asia. However, on the other hand, it has been somewhat disappointing to see that a number of members have not renewed their membership. In some cases this may have been due to retirement or change of interests but in others it may have been simply been an oversight. These members may have continued to receive IASE publications during this grace period, but unfortunately this cannot be continued. The very modest annual fees are by far our main source of funds and are essential to cover basic expenses such as newsletters, mailings, ISI office expenses as well as to assist in the running of meetings. The IASE is a growing section of the ISI Associations and we need the interest and support of as many people as possible.

There are many advantages of belonging to the IASE. These are set out on our web site (<http://www.swin.edu.au/math/iase/benefits.html>) and include MEMBERS receiving a number of publications such as the IASE Review which gives reports on all IASE activities, the ISI/Sections Membership Directory, and the ISI Newsletter. IASE members may subscribe to the International Statistical Review (ISR) and Short Book Reviews (SBR) at discounted prices as well as to certain statistical education journals, and may purchase IASE and ISI statistical education publications at discounted prices. Members also benefit from reduced registration fees for regular conferences such as ISI meetings, ICOTS and other IASE/ISI organised meetings.

I would like to make a personal plea to any who have not as yet paid their 2000 dues to seriously consider doing so by completing the form which is available on <http://www.swin.edu.au/math/iase/>, or contacting me directly, and sending to the ISI by email, fax or normal mail.

4. National Correspondents

As the main scientific and professional association devoted to promoting and extending statistical education worldwide at all levels, the IASE offers its membership the opportunity both to learn from, and contribute to, innovations and progress in statistical education. To achieve this aim, the IASE Executive Committee has always recognised the importance of having good channels of communication between statistical educators who sometimes find themselves relatively isolated in professional terms. When the IASE was first set up a system of National Correspondents was established to help the IASE strengthen its links with statistical educators in each country. The Executive is now updating these positions.

These correspondents can help the organisation in a number of ways. These include passing on information about IASE activities to local statistical educators and letting us know about important activities concerning teaching/learning statistics and probability in their country so we can let others know what is happening around the world. An important activity which Correspondents can help is the in planning for ICOTS-6. This not only includes helping disseminate information of this event to those interested in statistical education, but also to nominate authors, projects and researchers who could make a worthwhile contribution to the Conference. Furthermore, the Correspondents may also like to facilitate the growth of statistical educators groups in their own country.

I would like to thank those who have already agreed to take on, or continue, in this important role and encourage others to help expand and improve the work of statistics educators. You can check the list on <http://www.swin.edu.au/math/iase/correspondents.html>. If you see a vacancy you would like to fill please contact me.

5. Statistics Education Websites

We have added a number of useful sites to our Statistics Resources web page.

Check <http://www.swin.edu.au/math/iase/resources.html> for these and other aids to teaching statistics. They include:

Internet Projects For Elementary Statistics Neil Weiss http://hepg.awl.com/weiss/e_projects/.

Statistical Power: The 'OJ' Page

<http://trochim.human.cornell.edu/kb/POWER.HTM>

Introductory Statistics: Concepts, Models, And Applications David W. Stockburger
<http://www.psychstat.smsu.edu/introbook/sbk00.htm>

VassarStats: Web Site for Statistical Computation Richard Lowry
<http://faculty.vassar.edu/~lowry/VassarStats.html>

Java applets for power and sample size
<http://www.stat.uiowa.edu/~rlenth/Power/index.html>

Article: *A Sensible Formulation of the Significance Test* Lyle V. Jones, John W. Tukey

6. PME Stochastics Teaching and Learning Discussion Group.

It is a pleasure to announce the launching of a new Web site of the PME Stochastics Teaching and Learning Discussion Group. The site serves as a meeting place for members of the group and anyone who is interested in the teaching and learning of statistics and probability. The site includes the group's current and past newsletters, member's information, and a useful list of statistics resources on the World Wide Web. We hope you will find the site useful and enjoyable, and consider becoming a member of the group.

From the early research into stochastic thinking, notably the seminal investigation into probability understanding by Piaget and Inhelder two major strands of research have developed, which have gradually expanded to include statistics and combinatorics. One has been concerned mainly with psychological aspects, particularly decision-making in an uncertain environment, the other mainly with pedagogical aspects.

The PME Stochastics Working Group was established in 1997 (currently, the PME Stochastics Discussion Group) with the specific aim to link these two research streams and to bring to PME researchers in statistical education in areas such as Psychology, Education and Statistics. Its aim is to serve as a focus for members interested in the psychology of the teaching and learning of probability, statistics and combinatorics. It maintains an informal network between PME Conferences by means of an electronically distributed newsletter and Web site. It particularly seeks to bring together interested people from all language groups, and does its best to provide translation facilities as appropriate. Co-ordinators: Dani Ben-Zvi, Weizmann Institute of Science, Israel (dani.ben-zvi@weizmann.ac.il); Brian Greer, Queen's University, Belfast Northern Ireland <b.greer@qub.ac.uk>, John Truran, University of Adelaide, Australia <truranjk@camtech.net.au>, Kath Truran, University of South Australia, Australia <kath.truran@unisa.edu.au>.

7. ICME 9, 2000

Susan Starkings
Chief Organiser Topic Group 4 ICME 9
<http://www.swin.edu.au/mathsiase/icme9.html>

The IASE sessions that are organised at ICME 9, 31st July - 6th August, Japan are in Topic Group 4 entitled 'Teaching and Learning Statistics'. An excellent group of twelve speakers from across the globe will come together to present their papers. These speakers and their paper titles are:

1. Elena Carrera, Universidad Nacional del Litoral, Argentina
Teaching Statistics in the First Years of University with Emphasis in the Solution of Problems.
2. Hans-Joachim Mittag, University of Hagen, Germany
Multimedia and Multimedia databases for Teaching Statistics
3. Joe Wisenbaker, Janice S. Scott - University of Georgia, USA & Fadia Nasser - Tel Aviv University, Israel
Structural Equation Models Relating Attitudes About and Achievement in Introductory Statistics Courses: A Comparison of Results from the U.S. and Israel
4. Ruslan Motoryn, Kiev National University of Economics, Ukraine
The Teaching and Learning of International Statistics in Transitional Country: Case of Ukraine

5. Corinne Hahn, Chambre de Commerce et d'Industrie de Paris, France
The Use of a Multimedia Tool in Teaching Factor Analysis to Business School Students. Is there a Statistical Significant Improvement
6. Maria da Graca Pereira, GEIASC, Brazil
Demonstrative Prototype of the Statistical Methods
7. James Nicholson & Gerry Mulhern, Queen's University of Belfast, UK
Conceptual Challenges Facing A-Level Statistics Students: Teacher and Examiner Perspectives
8. Gabriel Yanez Canal, Guillermo Massieu, Mexico
Students' intuition and doing mathematics. An example in probability
9. Hiroaki Hirabayashi, Osaka Women's Junior College, Japan
How Do We Arouse Students' Interest in Statistics? By Development of Teaching Materials
10. Graham Jones, Illinois State University, USA, Bob Perry University of Western Australia, Ian Put, James Cook University, Australia & Steven Nisbet, Griffiths University, Australia
Assessing and Fostering Children's Statistical Thinking
11. Margarida César & Carolina Carvalho, University of Lisbon, Portugal
Co-constructing Statistical Knowledge
12. Parul Deoki, The University of the South Pacific, Fiji
Understanding the Mean and the Expected Value

For those of you attending ICME 9, the organising committee look forward to seeing you at these IASE sessions.

8. IASE Round Table: Training Researchers in the Use of Statistics August 7 - 11, 2000

The IASE Round Table Conference on Training Researchers in the Use of Statistics will be held at the Institute of Statistical Mathematics, Tokyo, Japan in August 7-11. This conference was organised by IASE in cooperation with the Japan Statistical Society and is also supported by the Institute of Statistical Mathematics. Professor Youki Miura chaired the local organising committee on behalf the Japan Statistical Society.

By now the conference programme is arranged and the preliminary papers are accessible from the conference web page <http://www.ugr.es/~batanero/iasert.htm>. The IASE is very grateful to the members of the local and scientific committees, the speakers and discussants at the conference and the referees who helped to review and select the papers. The proceedings will be published after the conference and will include the revised papers and the discussions.

9. International Statistical Institute, 53rd Biennial Session Seoul, Korea, 22-29 August, 2001

E-mail: isi@cbs.nl or visit the Session website at <http://www.nso.go.kr/isi2001>

<http://www.swin.edu.au/math/iase/isi53.html>

The IASE is very pleased to see that the increasing interest in our discipline has led to an even larger number of statistical education sessions at the 53rd ISI session to be held in Seoul, Korea in August, 2001. There are seven sessions to be organised by the IASE alone, with another four being jointly organised with other sections. Lionel PEREIRA-MENDOZA is co-ordinating our section of the programme. Planning is well underway, and anyone interested in more information should contact Lionel, email: lpereira@nie.edu.sg.

10. ICOTS 6: The Sixth International Conference on Teaching Statistics

The ICOTS 6 first announcement will be available by July, 2000. A Web-site, which contains all the news from ICOTS-6 and its venue, has been set-up by Dani Ben-Zvi at: <http://www.beeri.org.il/icots6/>

The IPC is confident that ICOTS 6 will be a great event for statistical education. For further details, please contact:

M. Gabriella Ottaviani, ottaviani@pow2.sta.uniroma1.it

Brian Phillips, bphillips@swin.edu.au

11. Summary of some upcoming Statistical Education Activities

July 1-2, 2000. Statistical Education Workshop, Adelaide, South Australia. Theme: Innovation in Statistical Education. Guest speaker, Professor David Moore. See <http://www.sapmea.asn.au/15ASC.htm>

July 23-27, 2000. (vii) PME 24, Hiroshima, Japan, July 23-27, 2000

Discussion Group on Stochastic Thinking, Learning, and Teaching The co-ordinators for this proposed Discussion Group will be: Dani BEN-ZVI (Israel) dani.ben-zvi@weizmann.ac.il, Brian Greer (Ireland) b.greer@qub.ac.uk, Kath TRURAN (Australia) kath.truran@unisa.edu.au, and JOHN TRURAN (Australia) jtruran@arts.adelaide.edu.au . PME web site: <http://www.ipc.hiroshima-u.ac.jp/~pme24/>

July 31-August 6, 2000—**International Congress on Mathematics Education, ICME-9** Makuhari/Tokyo, Japan) Statistical Education Sessions at ICME. For further information please contact: Susan STARKINGS: starkisa@vax.sbu.ac.uk or check the IASE, ICME-9 site <http://www.swin.edu.au/math/iase/icme9.html> or the full ICME9 site <http://www.ma.kagu.sut.ac.jp/~icme-9/>

August 7-11, 2000—**Round Table Conference: Training Researchers in the Use of Statistics**—Tokyo, Japan. By invitation only. All invitations have already been extended. Further information is available at <http://www.ugr.es/~batanero/iasert.htm> .

August 13 - 17, 2000, **ASA Joint Statistical Meetings**, Indianapolis, USA. For information, contact <http://www.amstat.org/meetings/jsm/2000/>

December 11-14th, 2000 **TIME 2000 - An International Conference on Technology in Mathematics Education** Auckland, New Zealand For more information see: fruranjk@camtech.net.au<http://www.math.auckland.ac.nz/TIME2000>

30 December-3 January 2001, **International Conference on Recent Developments in Statistics and Probability and Their Applications**, India International Centre, New Delhi, India,

21 August, **IASE one-day satellite - Pre ISI** Seoul, Korea, 2001
(Topic yet to be announced, probably on Statistical Literacy)
Organiser. B. Phillips

August 22-29, 2001—**ISI 53 Biennial Session**—Seoul, Korea Further information on these IASE can be found at <http://www.swin.edu.au/math/iase/isi53.html> . Further information on the ISI Biennial Session can be found at <http://www.nso.go.kr/isi2001>.

July 7-12, 2002—**International Conference on Teaching Statistics**—Durban, South Africa. This is the major international conference in Statistics Education that is held every 4 years. Planning for **ICOTS-6** is well under way. Details can be found at the ICOTS-6 web site at <http://www.beeri.org.il/icots6>.