

International Association for Statistical Education



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<i>Website</i>	http://www.stat.auckland.ac.nz/~iase/ ; http://www.cbs.nl/isi/iase.htm

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Address of Incoming IASE President, Chris Wild to IASE General Assembly, 18 August 2003

On taking over the helm of the IASE, I see that our outgoing President Carmen Batenero has left it in very good heart. Sure we have some slight financial hiccups from causes beyond our control, but much more importantly, we have good teams of volunteers doing great work. Carmen has worked incredibly hard for the IASE. I have never met anyone who works harder than Carmen. Of course, the great thing about the IASE structure is that Carmen automatically continues on the Executive as Past President for a further two years. She has also taken on the primary leadership role for ICOTS 7, which is to be held in Brazil in July 2006. Hopefully you have already put it in your diary!

The two most important things we are doing in the IASE are, I think, the ICOTS series of conferences and our new journal SERJ. The ICOTS series has a proud history of success and the journal is gathering momentum. It takes a little while to establish a profile and change a culture, where a substantial amount of publishing has been in hard-to-find edited volumes to one where almost all publishing is in key journals that, particularly in SERJ's case, everyone can obtain. A new project that shows a new way forward is the International Statistical Literacy Program with its annotated directory of resources.

It is an exciting time to be in statistical education. It is a time of ferment and new possibilities. Some of these were vividly shown in our very successful IASE Satellite Conference entitled Statistics and the Internet. In fact, the conference ranged much more widely than that. However, while exciting possibilities and their implementations are beginning to abound on the Internet, or in other words possibilities tend to infinity, the time we have left in our days to pursue them is tending to zero.

So, what we now need from the Internet is selection from profusion, guiding our footsteps towards those few gold nuggets whose glitter is concealed by the dross. Over the next few years, I would like to see the IASE webpages become the primary

source for information and comment about statistical education resources. The model must be, I think, the divide-and-conquer model that we are following with the ISLP webpages – subdivide the landscape into specialties that are small enough for individual volunteers to realistically stay on top of. Nothing else is sustainable. The IASE is a missionary arm of the ISI – reaching out to non-statisticians, and youth in particular, to bring them into the fold. We are here because we believe that good statistics, and creative but disciplined statistical thinking, can bring substantial benefits to society and we want to be a part of making that happen. In his opening address, outgoing ISI President Dennis Trewin was worried about the greying of the ISI. Insofar as the greying of the ISI is due to the greying of the profession, the only solution is the infusion of young blood. This, in turn, results from the recruitment and retention of students through stimulating education programmes with clearly signposted career paths. This is not something to be left just to the IASE members. Every member of ISI or any of the ISI sections should be concerned about educational outreach. By “concerned”, I do not mean “worried”. Lamentations, the tearing out of hair and the rending of garments helps nobody. I mean actively contributing, feeding their colleagues at the educational coalface with ideas, stories, case studies, data sets and research projects – with excitement for statistics and what it can do. Our current students, and any more that we might be able to attract, are the future life blood of your profession and your professional organisations, so you too need to assist in ensuring that that life blood flows ever more strongly.

If the IASE is falling short in some area that you care about – perhaps you think it is too fixated on that first university course – then maybe it is because you are not in there leading the charge for another priority. My conception of the IASE is very simple – we will do anything that advances statistical education, where we can find a champion to lead and volunteers to help. We need each and every one of you as a champion or a volunteer.

The last thing I want to do is make an announcement. The incoming Executive of the International Association for Statistics Education has voted to confer life membership on Former Presidents Maria-Gabriella Ottaviani and Brian Phillips. They have been volunteers and champions par excellence for the IASE, providing outstanding leadership of the IASE and arduous conference organisation far above and beyond the call of duty for many years. We wish to make them lifetime members to honour them and thank them for those many contributions. Gabriella and Brian would you mind rising and taking a bow.

IASE Satellite Conference on Statistics Education and the Internet

Max Planck Institute for Human Development, Berlin, Germany, August 11–12, 2003
The Conference was held just before the 54th Biennial Meeting of the International Statistical Institute. The venue provided by the Max Planck Institute for Human Development was an ideal facility for the Conference. Prof. Gerd Gigerenzer of the Max Planck Institute gave a short opening address. Seventeen invited speakers presented talks related to our theme “Statistics Education and the Internet” – these

talks were presented to the plenary sessions of sixty registrants. In addition, a two hour time slot was reserved for fifteen poster sessions also directed to this same topic. Twenty two registrants were welcomed as new IASE members.

Information about the meeting can be seen on

<http://www.ph-ludwigsburg.de/iase/> .

The CD of the proceedings was produced and distributed to all registrants. It contained all the invited papers and abstracts of the contributed poster sessions.

The proceedings are also available on the website

www.ph-ludwigsburg.de/iase/proceedings so they are available for anyone interested but who could not participate.

The conference was organised by the IASE in cooperation with:

- International Statistical Institute
- Stochastics Section of the German Society for Mathematics Education
- German Mathematical Association (special interest group on Probability and Statistics)
- German Statistical Society
- Max-Planck-Institute for Human Development

IASE Review is Now Electronic

At its meeting in August, the IASE Executive Committee decided to make the annual IASE Review electronic. If you are an IASE member and have not received a copy electronically by 15 December 2003, you can download a copy from the IASE Publications website at <http://course1.winona.edu/cblumberg/pubshomepage.htm>

. If you do not have Internet access, please contact Carol Joyce Blumberg at cblumberg@winona.edu or at Department of Mathematics and Statistics, Winona State University, Winona MN 55987-5838, USA or by fax at +1-507-457-5376, and a copy will be sent to you via your choice of e-mail or regular mail.

The major reason for people not receiving a copy of IASE Review electronically is that proper e-mail addresses have not been sent to the ISI Permanent Office. So, if you did not receive the IASE Review electronically, please send your e-mail address to Margaret de Ruiter-Molloy at mmly@cbs.nl

International Statistical Literacy Project (ISLP) Update

Resource pages on all aspects of statistical literacy are now fully operational with a Table of Contents for each page and a search engine. Please go to

<http://course1.winona.edu/cblumberg/islplist.htm> for a complete listing of the webpages. The next stage in the project is to find more resources in languages other than English and to translate the main pages of the ISLP website into languages other than English. If you know of websites, articles, books, etc. in any language that have not already been included on the webpages or if you are willing to translate webpages into other languages, please contact Carol Joyce Blumberg at cblumberg@winona.edu or at Department of Mathematics and Statistics, Winona State University, Winona MN 55987-5838, USA or by fax at +1-507-457-5376.

ICOTS–6 Proceedings to be Available Soon on the Internet

There are plans to make the ICOTS–6 (International Conference on Teaching Statistics 6) Proceedings available soon for free, at least to IASE members, on the Internet. When the conversion from CD to the Internet is complete, a link will be provided on the IASE publications webpage at <http://course1.winona.edu/cblumberg/pubshomepage.htm> . At the moment, the CD is available at cost of postage from Brian Phillips (bphillips@swin.edu.au).

Papers from IASE–sponsored Session on “Using the History of Statistics to Enhance the Teaching of Statistics”

The papers from the IASE–sponsored session on “Using the History of Statistics to Enhance the Teaching of Statistics” at the Joint Statistical Meetings held on 7 August 2003 are now available at <http://course1.winona.edu/cblumberg/jsm2003.htm> . Also included is a list compiled by Herb David of books on the history of statistics.

ICOTS–7 Working Cooperatively in Statistics Education, Brazil, August 2006

The International Programming Committee, for the above Conference, is as follows:

Chair: Carmen Batanero (Spain), batanero@ugr.es

Programme Chair: Susan Starkings (UK), starkisa@lsbu.ac.uk

Editors of Proceedings: Allan Rossman (USA), arossman@calpoly.edu and Beth Chance (USA), bchance@calpoly.edu

Scientific Secretary: John Harraway (New Zealand), jharraway@maths.otago.ac.nz

Local Organisers Representative at the IPC: Lisbeth Cordani (Brazil), lisbethk@terra.com.br

Topic and Topic Convenors are:

Topic 1. Working cooperatively in statistics education

Lisbeth Cordani (Brazil) accepted, lisbethk@terra.com.br

Mike Shaughnessy (USA), mike@mth.pdx.edu

Topic 2. Statistics Education at the School Level

Dani Ben–Zvi (Israel) , dbenzvi@univ.haifa.ac.il

Lionel Pereira (Singapore), lpereira@nie.edu.sg

Topic 3. Statistics Education at the Post Secondary Level

Martha Aliaga (USA), aliaga@umich.edu

Elisabeth Svensson (Sweden), elisabeth.svensson@esi.oru.se

Topic 4. Statistics Education/Training and the Workplace

Pedro Silva (Brazil), pedrosilva@ibge.gov.br

Pilar Martín–Guzmán (Spain), pilar.guzman@uam.es

Topic 5. Statistics Education and the Wider Society

Brian Phillips (Australia), BPhillips@groupwise.swin.edu.au

Phillips Boland (Ireland), Philip.J.Boland@ucd.ie

Topic 6. Research in Statistics Education.

Chris Reading (Australia), creading@metz.une.edu.au

Maxine Pfannkuch (New Zealand), pfannkuc@scitec.auckland.ac.nz

Topic 7. Technology in Statistics Education

Andrej Blejec (Slovenia), andrej.blejec@uni-lj.si

Cliff Konold (USA), konold@srri.umass.edu

Topic 8. Other Determinants and Developments in Statistics Education

Theodore Chadjipadelis (Greece), chadji@polsci.auth.gr

Beverley Carlson (USA), bcarlson@eclac.cl

Topic 9. An International Perspective on Statistics Education

Delia North (South Africa), delian@icon.co.za

Ana Silvia Haedo (Argentina), haedo@qb.fcen.uba.ar

Topic 10. Contributed Papers

Joachim Engel (Germany), Engel_Joachim@ph-ludwigsburg.de

Alan Mc Lean (Australia), alan.mclean@buseco.monash.edu.au

Topic 11. Posters

Celi Espasandín López (Brazil), celilopes@directnet.com.br

So far, the Local Organising Committee consists of the following people:

Pedro Alberto Morettin (Brazil), local Chair, pam@ime.usp.br

Lisbeth K. Cordani (Brazil), lisbeth@maua.br

Clélia Maria de C. Tolo (Brazil), clelia@ime.usp.br

Wilton de Oliveira Bussab (Brazil), bussab@fgvsp.br

To see what was held at our previous conference, ICOTS-6, you can visit the following website <http://icots6.haifa.ac.il/icots6.html> .

IASE ICOTS-7 PLANNING MEETING REPORT

The meeting was held on Tuesday, 19 August 2003, in Berlin and was co-Chaired by Susan Starkings and Carmen Batanero.

It was agreed that there will be two different websites connected with each other at the Conference:

- The local website will be located in Brazil and will be maintained by the local organisers. It will include information about the venue, city of Salvador and country, local facilities, social programme and tours, as well as contact with statistics education institutions in Brazil. It will provide on-line registration.

- The IPC website will be located in New Zealand, and will be maintained by John Harraway. It will contain details about the scientific planning and will be updated frequently. We hope to be able to provide a website similar to the one prepared for ICOTS-6.

We expect to have the two websites up and running by the end of the year.

It was also agreed to try and encourage Latin American participation. ICOTS-7 is seen as a main opportunity to have a real impact in statistics education in Latin America. It was suggested to try to find different ways to increase participation from this region. This includes the following actions:

Including Sessions and presentations in themes that are of particular interest /relevance to the region. The IPC will try to get the help from the local organisers to identify these themes, but help from Topic Convenors is also welcome.

Inviting Latin American Sessions Organisers and Speakers

Organising teachers' workshops in the Portuguese language. We will try to get help from different local institutions/statistics educators to organise these workshops, as well as funding from international agencies.

Encouraging people to bring Portuguese/Spanish transparencies for their presentations or/and trying to get translations for the transparencies.

Organising some bilingual plenary session/panel (with translation)

The Third International Research Forum on Statistical Reasoning, Thinking and Literacy (SRTL-3)

The third research forum in a series of international research forums on statistical reasoning, thinking and literacy was held at the Teachers College Institute of the University of Lincoln-Nebraska, USA, from July 23-28, 2003. This particular gathering of researchers has played an important role in advancing our understanding of the richness and depth of reasoning about variability, a key focus of statistics education.

The forum was sponsored by Teachers College Institute of the University of Lincoln-Nebraska (UNL), Department of Educational Psychology at UNL, Faculty of the Quantitative and Qualitative Methods in Education Program at UNL, the IASE Statistical Education Research Group, the American Statistical Association Section on Statistics Education and Vanderbilt University.

Eighteen researchers in statistics education from six countries shared their work, discussed important issues, and initiated collaborative projects in a stimulating and enriching environment. Sessions were held in an informal style with a high level of interaction. With emphasis on reasoning about variability, a wide range of research projects were presented spanning learners of all ages, as well as teachers. These demonstrated an interesting diversity in research methods, theoretical approaches and points of view. As a result of the success of this gathering, plans are already underway for the next gathering of SRTL-4 in 2005.

The research forum proved to be very productive in many ways. Several types of scientific publications will be produced including a CD-ROM of the proceedings, papers in refereed journals, and a special issue of Statistics Education Research

Journal is expected in 2004. An additional product of the meeting will be a new SRTL website <http://srtl.haifa.ac.il/> , which will include a variety of resources. These will all serve as a rich resource for statistics educators and researchers. Bill Mickelson (UNL) took care of all aspects of local planning and organising prior to the SRTL-3 gathering. During the research forum, he was very resourceful in attending to all needs of the programme and the participants regardless of this being a time-consuming and labour intensive task. Beyond the scientific programme, participants took part in a variety of social events and local excursions that helped to build the sense of a community amongst the researchers and enjoy the beauty of Lincoln and its immediate surroundings.

For further information, please contact the SRTL Co-Chairs:

Joan Garfield, jbg@umn.edu

Dani Ben-Zvi, dbenzvi@univ.haifa.ac.il

The 2006 NCTM YEARBOOK, Thinking and Reasoning with Data and Chance

The 2006 Yearbook Editorial Panel extends an invitation to submit articles for its yearbook, Thinking and Reasoning with Data and Chance. Potential authors should submit a first draft of their proposed manuscript by 1 March 2004. Preference will be given to drafts of complete papers, although an outline of a paper will be considered, provided it includes the introduction and the development of one or more sections of the proposed manuscript. Contributions from classroom teachers are particularly encouraged.

Editorial decisions are made by the members of the 2006 Yearbook Editorial Panel: Gail Burrill (Issue Editor), Portia C. Elliott (General Editor), Floyd Bullard, Alfinio Flores, Sister Alice Hess, James Landwehr, and Christine Pateracki.

Suggested Topics for Articles

To help authors focus their papers and yet accomplish the broad objective of this yearbook, the Editorial Panel has identified three major categories: what we teach and why; how we teach and why; and issues and reflections. Each category includes subtopics and a set of questions intended to prompt potential papers that would contribute to the goals of the yearbook. The list is intended to offer guidance and not to be exhaustive. Papers can overlap among the areas and may include topics not listed, but that are directly related to teaching and learning statistics and probability. The ideas that are important in framing the message in the yearbook are identified by a variety of terms: data analysis, statistics, quantitative literacy, chance, probability. The intent is not to focus on a definition, but to encompass the ideas reflected in all these terms.

We anticipate that the majority of manuscripts that appear in the 2006 Yearbook will be no more than eighteen double-spaced typewritten pages in length, including examples, illustrations, and a bibliography. (A "page" for this yearbook is considered to contain 26 lines with 72 characters on each line.) For detailed instructions, see "Instructions for the Submission of Manuscripts" on NCTM's website

www.nctm.org/publications/edu_publish.htm or for further information, contact Gail Burrill –email: burrill@msu.edu or Portia Elliott e-mail: pelliott@educ.umass.edu .

Forthcoming Conferences with Statistics Education Components

The 10th International Congress on Mathematics Education, July 4–11, 2004, Copenhagen

Chair: Mogens Niss icme10-IPC@ruc.dk

The venue will be the Technical University of Denmark, located in a northern suburb of Copenhagen. The IASE will be collaborating in the organisation of specific statistics education activities in the Conference. The Conference website is : <http://www.icme-10.dk/> .

History and Pedagogy of Mathematics, 2004 Satellite Conference of ICME–10, July 12–17, 2004, Uppsala, Sweden

Chair: Fulvia Furinghetti furinghe@dima.unige.it

The HPM Satellite Conferences have taken place every year since 1984. It is a unique occasion to attend lectures, workshops, research reports from all over the world about the use of history in mathematics education and the history of mathematics. The participants to the HPM meetings are researchers in history, in mathematics education, and teachers who have experimented with the use of history in their teaching. For more information, visit the website at: <http://www.mathedu-jp.org/hpm/index.htm> .