

International Association for Statistical Education



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FORTHCOMING IASE ACTIVITIES

Statistical Education Presentations at The International Congress on Mathematical Education (ICME-10)

As a part of ICME-10 to be held in Copenhagen, Denmark, July 4-11, 2004, a set of sessions have been set aside to address issues related to research and development in the teaching and learning of probability and statistics. Jun Li of the Department of Mathematics at East China Normal University and Joe Wisenbaker of the Department of Educational Psychology at the University of Georgia, co-chairs of Topic Study Group 11, have brought together presentations across a wide range of issues including: The use of technology to enhance student learning; Efforts to understand how students learn about statistics and probability; Developing teachers' statistical knowledge; Distance education; Assessment strategies as a means of promoting learning; Efforts to introduce younger students to statistics and probability; and Developing statistical reasoning, thinking and literacy.

As part of the programme, there will be four invited presentations by Joan Garfield (comparing expert and novice statistics teachers), Koeno Gravemeijer (looking at statistics concept development to aid in lesson design and classroom instruction), Mike Shaughnessey (investigating thinking in variation-rich contexts) and Jane Watson (Tasmanian research in chance and data). Other presentations and papers presented by distribution will enliven the discussions about these and other topics related to the teaching and learning about statistics and probability.

ICME-10 also has the following regular lecturers in Statistical education:

Carmen Batanero (Statistics Education as a Field for Research and Practice), Rolf Biehler (Variation, co-variation, and statistical group comparison. Some results from epistemological and empirical research on technology supported statistics education), Margarida César (Come away with me: Statistics learning through collaborative work) and Jane M. Watson (Assessment in Statistics Education: Obstacle or Opportunity?).

For more information, see the Conference website: <http://www.icme-10.dk/> .

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



**LUND
UNIVERSITY**

Plans are in place for the IASE 2004 Roundtable on Curricular Development in Statistics Education, which will be held at Lund Institute of Technology. The Roundtable addresses issues and concerns related to the curriculum at the elementary, secondary, and tertiary levels along with a strong research strand. Papers are reviewed by the Scientific Programme Committee, and a list of the set of papers is available. The Scientific Programme Committee is chaired by Gail Burrill (Michigan State University, United States) and consists of Dani Ben-Zvi (University of Haifa, Israel), Arthur Bakker (Freudenthal Institute, The Netherlands), Jean Claude Girard (Institut Universitaire de Formation des Maîtres de l'Académie de Lyon Centre, France), Mike Camden (Statistics New Zealand), Richard Scheaffer (University of Florida, United States), and Carmen Batanero (University of Granada, Spain).

The Local Organising Committee, chaired by Lars Wahlgren, has secured support from Key Curriculum Press and from the Swedish Statistical Association. For information about local arrangements, see the website: <http://www.maths.lth.se/conferences/IASE2004/>.

The Conference promises to be stimulating and productive. Information about the proceedings will be available on the web. For more information, see http://hobbes.lite.msu.edu/~IASE_2004_Roundtable/.

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

This Satellite Conference on Statistics Education and the Communication of Statistics is jointly organised by the IASE and the Victorian Branch (<http://matilda.vu.edu.au/~ntd/statsvic/index.html>) of the Statistical Society of Australia (<http://www.statsoc.org.au/>) and will immediately precede the ISI Session in Sydney (<http://www.tourhosts.com.au/isi2005/>). It will give people the opportunity to enjoy presentations given by people who have a special interest in communicating databased results. There will be a number of invited speakers, as well as the opportunity for others to give contributed presentations.

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. A related idea is that we should be spending more time in our courses telling students how to present statistical findings to lay audiences who do not know technical aspects of statistics. This is a major stumbling block for the discipline – the people who understand the technical side have little training in how to make results understandable, and the people who are experts at presenting a finding often have no notion of how to extract information from data. Another related idea is that, when we do talk about graphical summary in our courses, we tend to omit use of it from our tests and examinations, since it is difficult to test. This assessment omission is another reason students do not learn to ‘communicate statistics’.

The approach 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. This meeting will be of interest to a wide cross section of society. These include: teachers, lecturers and teacher trainers; administrators in schools or elsewhere; people involved in numeracy education with an adult population; people from industry and commerce including policy makers, journalists, health professionals, finance and the law; researchers in statistical education and in probabilistic reasoning; others from the general population.

Possible topics are: Writing with numbers; Modern methods for graphical display; Quantitative Literacy and communication; Communicating educational statistics; and other areas involving communication of statistical results. It could involve presentations on topics such as the use of graphics calculators, computers and the Internet in statistics classes to help with communicating statistics; the training of teachers to teach methods of communicating statistical results and showing how the results from large studies and official statistics may be used in the classroom for statistical communications.

The Programme Committee consists of

Brian Phillips (Joint Chair, Australia

http://www.stat.auckland.ac.nz/~iase/members/profile_view_ind.php?id=532),

Kay Lipson (Joint Chair, Australia –

http://www.stat.auckland.ac.nz/~iase/members/profile_view_ind.php?id=512),

Larry Weldon (Canada –

http://www.stat.auckland.ac.nz/~iase/members/profile_view_ind.php?id=563),

Paul Darius (Belgium –

http://www.stat.auckland.ac.nz/~iase/members/profile_view_ind.php?id=198)

and Irena Ograjensek (Slovenia –

http://www.stat.auckland.ac.nz/~iase/members/profile_view_ind.php?id=299).

For more information on abstracts, papers, fees, accommodation and the social programme, see <http://www.stat.auckland.ac.nz/~iase/> .

Submission deadline Abstracts: September 30, 2004

Papers due: December 20, 2004