

PAST IASE CONFERENCES

1. IASE SATELLITE CONFERENCE - STATISTICS EDUCATION AND THE COMMUNICATION OF STATISTICS Sydney, Australia, April 4-5, 2005

The conference was organized by the IASE and the Victorian Branch of the Statistical Society of Australia and jointly chaired by Brian Phillips, bphillips@swin.edu.au and Kay Lipson, klipson@swin.edu.au. Below is the listing of sessions and presented papers. Papers (in PDF format) are available at www.stat.auckland.ac.nz/~iase/publications.php?show=14.

Session I - Keynote Speaker

- To tell the truth: What we know about lie detection
Stephen Fienberg

Session II - Writing Reports of Statistical Studies

- The implications introducing report writing into an introductory statistics subject
Kay Lipson, Sue Kokonis
- Helping students find their statistical voices
Helen MacGillivray
- There's more to statistics than computation - Teaching students how to communicate statistical results
Roxy Peck
- An approach to report writing in statistics courses
Glenda Francis
- Teaching students to write about statistics
Mike Forster, David P. Smith, Christopher J. Wild
- Enabling students to communicate statistical findings
Tania Prvan, Judith Ascione

Session III - Role of Graphics in Communication of Statistics

- Interval estimates for statistical communication: Problems and possible solutions
Geoff Cumming, Fiona Fidler
- Using Amos Graphics to enhance the understanding and communication of multiple regression
Everarda Cunningham, Wei C. Wang
- Grapharti
Hilary Green
- Visualising data with dynamic graphics in Excel
Harold Henderson
- Enhancing effective communication of statistical analysis to non-statistical audiences
Peter Martin
- From data to graphs to words, but where are the models?
K. Larry Weldon

Session IV - Outreach to Public and Schools

- Statistics and the media
Wayne Smith
- The role of national statistics institutions in the use and understanding of official statistics in the compulsory education sector
Gareth McGuinness, Lesley Hooper
- Data analysis or how high school students “read” statistics
Sylvain Vermette, Linda Gattuso, Marc Bourdeau
- Communicating student performance data to school teachers
Philip Holmes-Smith
- Pilot study into the use and usefulness of instant messaging within an educational context
Rachel Cunliffe
- Distance learning: New frontiers for solving old problems
Gianfranco Galmacci, Anna Maria Milito
- Helping students to communicate statistics better
Neville Davies, Doreen Connor

Session V - Understanding the Language of Statistics

- Servicing students communicating ideas about statistics
Peter Petocz, Anna Reid
- How important are communication skills for “good” statistics students? - An international perspective
Sue Gordon
- University-level data analysis courses with the emphasis on understanding and communication of statistics - A ten years action research project
Katrin Niglas, Kairi Osula
- Statistical prevarication: Telling half truths using statistics
Milo Schield



2. THE 2005 SESSION OF THE INTERNATIONAL STATISTICAL INSTITUTE, ISI-55 Sydney, Australia, April 5-12, 2005

1.1 IASE ACTIVITIES AT THE ISI-55

IASE organized a wide and varied list of topics at the 55th Session of the International Statistical Institute for Invited Paper Meetings, both alone and in conjunction with other ISI sections and Committees. The Chair of IASE Programme was Chris Wild, c.wild@auckland.ac.nz. Below is the listing of the Invited Paper Meetings, organizers and presented papers. Papers (in PDF format) are available at www.stat.auckland.ac.nz/~iase/publications.php?show=13

IPM 45 *Reasoning about Variation*. Christine Reading, creading@une.edu.au

- From acknowledging to modelling: Tertiary students’ consideration of variation
Jackie Reid, Chris Reading
- Some aspects of reasoning about variability
Bernard Harris
- Statistical thinking from a practitioner’s perspective
Aloke Phatak, Geoff Robinson

IPM 46 *The use of Simulation in Statistics Education*. Andrej Blejec, andrej.blejec@nib.si

- Modern introductory statistics using simulation and data analysis
Larry Weldon
- Using Excel to generate empirical sampling distributions
Rodney Carr, Scott Salzman
- Statistical simulations in the web
Juha Puranen

IPM 47 *Teaching Statistics Online*. Larry Weldon, weldon@sfu.ca

- Learning statistics teaching in higher education using online and distance methods
Neville Davies, Vic Barnett
- Preparing secondary teachers to teach statistics: A distance education model
Roxy Peck, Robert Gould
- E-learning for statistics education at Korea National Open University
Tae Rim Lee

IPM 48 *Statistics for Life: What are the Statistical Ideas or Skills that Matter most and why?* Chris Wild, c.wild@stat.auckland.ac.nz

Panel participants:

Nick Fisher, Denise Lievesley, Milo Schield, Stephen Stigler, Niels Keiding

IPM 49 *Research in Statistical Education*. Kay Lipson, klipson@swin.edu.au / Maria Ottaviani, Mariagabriella.ottaviani@uniroma1.it

- An assessment of computer-based learning methodology in teaching in an introductory statistics hybrid course
Paul Fields, Patti Collins
- Potential uses of longitudinal analyses to investigate statistics education outcomes
Sharleen Forbes, Teimuraz Beridze
- Teaching confidence intervals: Problems and potential solutions
Geoff Cumming, Fiona Fidler
- Student opinions and expectations vs. reality of grading: Use of cluster profiling in statistics education
Mojca Bavdaz-Kveder, Irena Ograjensek

IPM 50 *Quality Assurance in Statistics Education*. Matthew Regan, m.regan@auckland.ac.nz

- Quality assurance in statistics education: From departmental self-evaluation to accreditation
Abbas Bazargan
- The role of statistical education in developing graduate qualities
Brenton Dansie
- Criteria, standards and assessment in statistical education
Helen MacGillivray

IPM 51 *Promotion of Statistical Literacy among Students*. Pilar Guzman, pilar.guzman@uam.es

- The role of official statistics agencies in the promotion of statistical literacy among students
Frederick W. H. Ho
- Co-operation with educational institutions: A strategic challenge for statistical agencies
Reija Helenius
- Policies and tools to make OECD statistics more visible and accessible
Enrico Giovannini, Russell Penlington, Lars Thygesen

IPM 52 *Using History of Statistics to Enhance the Teaching of Statistics*. (IASE & Christiaan Huygens Com. on the History of Statistics) Carol J. Blumberg, cblumberg@winona.edu

- Probability and statistics ideas in the classroom - Lessons from history
David Bellhouse
- Taking the fear out of data analysis: Case for history lessons in statistics courses
Irena Ograjensek
- Teaching probability via its history: Reflections on a case study
David Vere-Jones

IPM 63 *Educating the Media on how best to Report Statistics*. Jacob Ryten, rytenjacob@msn.com

- Introduction to media and official statistics
Jacob Ryten
- Panel presentations and floor discussion
Peter Harper, Ross Gittens, Tim Colebatch, Frederick W. H. Ho, Beat Hulliger

IPM 81 *Ethical Standards in Statistics Education*. (IASE & ISI Committee on Professional Ethics)
Mary A. Gray, mgray@american.edu

- Making a difference, not faking a difference - Learning And Using What's Good And Fair In Biostatistics
David Goddard
- The client-consultant relationship in medical research: The role of a professional statistician in the research team
Nora Donaldson, Mary Gray
- Official statistics and statistical ethics: Selected issues
William Seltzer

IPM 83 *Challenges in the Teaching of Survey Sampling*. (IASS & IASE) Wilton de Oliveira Bussab, bussab@fgvsp.br

- Balancing statistical theory, sampling concepts, and practicality in the teaching of survey sampling
Colm O'Muircheartaigh
- Teaching environment for survey sampling based on a textbook and its web extension
Risto Lehtonen
- Teaching sampling in a government statistical agency: The Canadian experience
Jack Gambino, Hew Gough

OTHER PAST CONFERENCES

1. ASIAN TECHNOLOGY CONFERENCE IN MATHEMATICS 2004 Singapore, December 13-17, 2004

The conference program (with links to abstracts) of the Asian Technology Conference in Mathematics on the theme Technology in Mathematics: Engaging Learners, Empowering Teachers and Enabling Research is available at

www.atcminc.com/mConferences/ATCM04/TentativeConferenceProgram.html

Conference web page: www.atcminc.com/mConferences/ATCM04/

2. CONGRESS OF THE EUROPEAN SOCIETY FOR RESEARCH IN MATHEMATICS EDUCATION, CERME-4 Sant Feliu de Guíxols, Spain, February 17-21, 2005

The Fourth Congress of the European Society for Research in Mathematics Education (CERME) was held in Sant Feliu de Guíxols, Spain, from 17 to 21 February, 2005. Presented papers (in PDF format) are available at <http://cerme4.crm.es/5.htm>.

Of special interest are papers presented in Group 5: Stochastic Thinking (subjects include epistemological and educational issues, pupils cognitive processes and difficulties, and curriculum issues), organized by Dave Pratt (e-mail: dave.pratt@warwick.ac.uk), Rolf Biehler, Maria Gabriella Ottaviani, and Maria Meletiou. The papers presented in Group 5 can be found at cerme4.crm.es/Papers%20definitius/5/wg5listofpapers.htm

FORTHCOMING IASE CONFERENCES

1. SRTL-4 THE FOURTH INTERNATIONAL RESEARCH FORUM ON STATISTICAL REASONING, THINKING AND LITERACY Auckland, New Zealand, July 2-7, 2005

The Fourth International Research Forum on Statistical Reasoning, Thinking, and Literacy, is to be hosted by the Department of Statistics, The University of Auckland, New Zealand, July 2–7, 2005. This gathering offers an opportunity for a small, interdisciplinary group of researchers from around the world to meet for a few days to share their work, discuss important issues, and initiate collaborative projects. Having emerged from the three previous forums, the topic and focus of SRTL-4 will be Reasoning about Distribution. The Forum is co-chaired by Dani Ben-Zvi (University of Haifa, Israel) and Joan Garfield (University of Minnesota, USA), co-organized by Maxine Pfannkuch and Chris Wild (The University of Auckland, New Zealand), and planned by a prestigious international advisory committee.

Based on the SRTL tradition, we plan to keep the number of participants small to facilitate a working research forum. There are three possible roles for participants in this Forum. The first role is to present current research on reasoning about distribution, the second is to discuss and react to research presentations, while the third is to be a small group moderator, which is ideal for doctoral students who are not yet ready to present research but want to participate. Participants will be strongly encouraged to use videotape and written transcripts of students in classroom and interview settings to provide illustrations of what the researchers are learning about how students reason about distribution. As with the previous SRTL Research Forums, we encourage the participation of young promising scholars. One outcome of the Forum will be a publication summarizing the work presented, discussions conducted, and issues emerging from this gathering.

The SRTL-4 Research Forum organizers invite anyone interested in participating in this forum to contact them as soon as possible. More information from Maxine Pfannkuch, m.pfannkuch@auckland.ac.nz. Web site: www.stat.auckland.ac.nz/srtl4/

2. 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) are organizing the Seventh International Conference on Teaching Statistics (ICOTS-7) which will be hosted by the Brazilian Statistical Association (ABE) in Salvador (Bahia), Brazil, July 2-7, 2006.

The major aim of ICOTS-7 is to provide the opportunity for people from around the world who are involved in statistics education to exchange ideas and experiences, to discuss the latest developments in teaching statistics and to expand their network of statistical educators. The conference theme emphasises the idea of *cooperation*, which is natural and beneficial for those involved in the different aspects of statistics education at all levels.

2.1. 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*. No person may author more than one Invited Paper at the conference, although the same person can be co-author of more than one paper, provided each paper is presented by a different person.

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 Papers

Invited Paper Sessions are organized within 9 different Conference Topics 1 to 9. The list of Topic and Sessions themes, with email contact for Session Organisers is available at the ICOTS-7 web site at www.maths.otago.ac.nz/icots7, under “Scientific Programme”.

Contributed Papers

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 MacLean (alan.mclean@buseco.monash.edu.au) before September 1, 2005.

Posters

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

Special Interest Group Meetings

These are meetings of Special Interest Groups of people who are interested in exchanging and discussing experiences and/ or projects concerning a well-defined theme of common interest. Proposals to hold a SIG Meeting specifically oriented to reinforce Latin American statistics education cooperation in a particular theme are especially welcome. In this case the organisers may decide to hold the meeting in Portuguese and Spanish language. Individuals or groups may submit proposals to establish a Special Interest Group to Carmen Batanero at (batanero@ugr.es).

2.2. TOPICS AND TOPIC CONVENORS

Topic 1. *Working Cooperatively in Statistics Education*. Lisbeth Cordani, lisbeth@maua.br and Mike Shaughnessy, mike@math.pdx.edu

Topic 2. *Statistics Education at the School Level*. Dani Ben-Zvi, benzvi@univ.haifa.ac.il and Lionel Pereira, lpereira@nie.edu.sg

Topic 3. *Statistics Education at the Post Secondary Level*. Martha Aliaga, martha@amstat.org and Elisabeth Svensson, elisabeth.svensson@esi.oru.se

Topic 4. *Statistics Education/Training and the Workplace*. Pedro Silva, pedrosilva@ibge.gov.br and Pilar Martín, pilar.guzman@uam.es

Topic 5. *Statistics Education and the Wider Society*. Brian Phillips, BPhillips@groupwise.swin.edu.au and Phillip Boland, Philip.J.Boland@ucd.ie

Topic 6. *Research in Statistics Education*. Chris Reading, creading@metz.une.edu.au and Maxine Pfannkuch, pfannkuc@scitec.auckland.ac.nz

Topic 7. *Technology in Statistics Education*. Andrej Blejec, andrej.blejec@nib.si and Cliff Konold, konold@srri.umass.edu

Topic 8. *Other Determinants and Developments in Statistics Education*. Theodore Chadjiadellis, chadji@polsci.auth.gr and Beverley Carlson, bcarlson@eclac.cl

Topic 9. *An International Perspective on Statistics Education*. Delia North, delian@icon.co.za and Ana Silvia Haedo, haedo@qb.fcen.uba.ar

Topic 10. *Contributed Papers*. Joachim Engel, Engel_Joachim@ph-ludwigsburg.de and Alan MacLean, alan.mclean@buseco.monash.edu.au

Topic 11. *Posters*. Celi Espasandín López, celilopes@directnet.com.br

2.3. ORGANISERS

Local Organisers

Pedro Alberto Morettin, (Chair; pam@ime.usp.br), Lisbeth K. Cordani (lisbeth@maua.br), Clélia Maria C. Toloí (clelia@ime.usp.br), Wilton de Oliveira Bussab (bussab@fgvsp.br), Pedro Silva (pedrosilva@ibge.gov.br).

IPC Executive

Carmen Batanero (Chair, batanero@ugr.es), Susan Starkings (Programme Chair, starkisa@lsbu.ac.uk), Allan Rossman and Beth Chance (Editors of Proceedings; arossman@calpoly.edu; bchance@calpoly.edu), John Harraway (Scientific Secretary: jharraway@maths.otago.ac.nz), Lisbeth Cordani (Local organisers representative; lisbeth@maua.br).

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



**3. THE 2007 SESSION OF THE INTERNATIONAL
STATISTICAL INSTITUTE, ISI-56
Lisboa, Portugal, August 22 – 29, 2007**

The 56th Session of the International Statistical Institute (ISI) will be held in Lisboa, Portugal. Preliminary information can be found at www.tziranda.com/isi2007/

OTHER FORTHCOMING CONFERENCES

1. UNITED STATES CONFERENCE ON TEACHING STATISTICS, USCOTS

Columbus, OH, USA, May 19-21, 2005

The first United States Conference on Teaching Statistics (USCOTS) will be held on May 19-21, 2005 at the Ohio State University in Columbus, Ohio, hosted by CAUSE, the Consortium for the Advancement of Undergraduate Statistics Education. USCOTS is an active, hands-on working conference for teachers of Statistics at the undergraduate level, in any discipline or type of institution, including high school teachers of AP Statistics. USCOTS will feature spotlight sessions, plenary talks, and working breakout sessions in three major areas: curriculum, pedagogy, and research. Lots of good resources for each of these areas will be provided in a fun and active atmosphere, where everyone will be invited to be involved. The theme of the 2005 USCOTS is "Building Connections for Undergraduate Statistics Teaching" and will focus on ways that we can share teaching ideas, develop working relationships, and identify areas for future collaborations and projects at our own institutions. USCOTS is partially funded by The Ohio State University Department of Statistics and its College of Mathematical and Physical Sciences. For more information about USCOTS, please contact Deborah Rumsey, USCOTS program chair at rumsey@stat.ohio-state.edu. Web site: www.causeweb.org/uscots/

2. INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING AND APPLICATIONS, ICTMA 12

London, United Kingdom, July 10-14, 2005

Mathematical modelling and applications, the transition, freely between real world problems and mathematical representations of such problems, is an enduring and important feature of industry, business and commerce. Teaching mathematical modelling, through tasks, projects investigations and applications embedded in courses and of mathematics itself through applications helps learners to understand relationships between real world problems and mathematical models. The 12th International Conference on Mathematical Modelling and Applications (ICTMA12) will be hosted by the School of Engineering and Mathematical Sciences City of London, Sir John Cass Business School, London, UK. This conference brings together international experts in a variety of fields and from different sectors to consider: modelling in business and industry, evaluating effectiveness, pedagogic issues for learning, applicability at different levels, research: education and practice, innovative practices and transitions to expert practice. More information from Chris Haines, ictma12@city.ac.uk. Web site: www.city.ac.uk/conted/reseach/ictma12/index.htm

3. PSYCHOLOGY OF MATHEMATICS EDUCATION, PME-29

Melbourne, Australia, July 10-15, 2005

The PME-29 conference will be held on July 10-15, 2005 in Melbourne, Australia. More information from Helen Chick, h.chick@unimelb.edu.au.

Web site: staff.edfac.unimelb.edu.au/~chick/PME29/

4. THE 25TH EUROPEAN MEETING OF STATISTICIANS, EMS 2005

Oslo, Norway, July 24-28, 2005

The meeting will cover all areas of methodological, applied and computational statistics, probability theory and applied probability. There will be 8 special lecturers, 23 ordinary invited sessions and one invited discussion session. The scientific programme is broad, with ample space for applications; invited speakers and sessions have been chosen with the specific aim to appeal to a wide

audience and will bridge between theory and practice, inference and stochastic models. The meeting is organised jointly by the University of Oslo and the Norwegian Computing Center. For further information contact email to ems2005@nr.no or visit the web site: www.ems2005.no

**5. BEYOND THE FORMULA IX
Rochester, NY, USA, August 4-5, 2005**

Beyond The Formula is an annual two-day, summer conference designed to promote excellence in teaching introductory statistics. Whether participants come from the high school, two-year or four-year college setting, they can expect to hear speakers who will provide them with new ideas and techniques that will make their classrooms more effective statistics learning centers. In organizing BTF conferences four major areas of teaching concern have been identified: the curriculum, the techniques and methodologies, the ever-changing technology, and real world applications. Each year one of these topic areas is chosen to serve as a common thread to draw together all the presentations - with 20 to 25 large-group, small-group and workshop sessions, all of the four topic areas find their way into each conference. Come with us each summer on a trip Beyond The Formula to see how exciting, thought provoking and inspiring the teaching of statistics can really be. For more information contact Robert Johnson, rr.bs.johnson@juno.com. Web site: www.monroecc.edu/go/beyondtheformula/

**6. JOINT STATISTICAL MEETINGS, JSM 2005
Minneapolis, MN, USA, August 7-11, 2005**

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 4000 people, activities of the meeting include oral presentations, panel sessions, poster presentations, continuing education courses, exhibit hall (with state-of-the-art statistical products and opportunities), placement service, society and section business meetings, committee meetings, social activities, and networking opportunities. Minneapolis is the host city for JSM 2005 and offers a wide range of possibilities for sharing time with friends and colleagues. For information, contact Elaine Powell, jsm@amstat.org or phone toll-free (800) 308-8943. Web site: www.amstat.org/meetings/jsm/2005/

**7. INTERNATIONAL CONFERENCE OF THE MATHEMATICS EDUCATION INTO THE
21ST CENTURY PROJECT: "REFORM, REVOLUTION AND PARADIGM SHIFTS IN
MATHEMATICS EDUCATION"**

Johor Bharu, Malaysia, November 25-December 1, 2005

The conference will be organized in Johor Bharu, Malaysia, close to Singapore and in the heart of Tropical South East Asia. Mercifully this part of Malaysia was unaffected by the tragic earthquake and tidal wave at the end of 2004. The time and place were chosen to encourage teachers and mathematics educators from around the world to communicate with each other about the challenges of Reform, Revolution and Paradigm Shifts in Mathematics Education. The Malaysia Conference is organised by the Mathematics Education into the 21st Century Project - an international educational initiative whose coordinators are Dr. Alan Rogerson (Poland) and Professor Fayez Mina (Egypt). Since its inception in 1986, the Mathematics Education into the 21st Century Project has received support and funding from many educational bodies and institutions throughout the world. In 1992 UNESCO published our Project Handbook "Moving Into the 21st Century" as Volume 8 in the UNESCO series Studies In Mathematics Education.

The Mathematics Education into the 21st Century Project is dedicated to the improvement of mathematics education world-wide through the publication and dissemination of innovative ideas.

Many prominent mathematics educators have supported and contributed to the project, including the late Hans Freudental, Andrejs Dunkels and Hilary Shuard, as well as Bruce Meserve and Marilyn Suydam, Alan Osborne and Margaret Kasten, Mogens Niss, Tibor Nemetz, Ubi D'Ambrosio, Brian Wilson, Tatsuro Miwa, Henry Pollack, Werner Blum, Roberto Baldino, Waclaw Zawadowski, and many others throughout the world. For further conference details email to Alan Rogerson, arogerson@vsg.edu.au. Website: math.unipa.it/~grim/21_malasya_2005.doc

**8. ASIAN TECHNOLOGY CONFERENCE IN MATHEMATICS, ATCM2005
Cheong-Ju, South Korea, December 12-16, 2005**

The 10th Annual conference of Asian Technology Council in Mathematics (ATCM) on the theme Enriching Technology in Enhancing Mathematics for All is hosted by the Korea National University of Education in Cheong-Ju, South Korea. The aim of this conference is to provide a forum for educators, researchers, teachers and experts in exchanging information regarding enriching technology to enhance mathematics learning, teaching and research at all levels. English is the official language of the conference. The conference will cover a broad range of topics on the application and use of technology in Mathematics research and teaching. More information: Professor Hee-chan Lew, hclew@knue.ac.kr. Website: www.atcminc.com/mConferences/ATCM05/