

FORTHCOMING IASE CONFERENCES

2020 IASE ROUNDTABLE “NEW SKILLS IN THE CHANGING WORLD OF STATISTICS EDUCATION” Nanjing, China, 6–10 July, 2020



This Roundtable will be in Nanjing, close to the site of ICME 14. Chair of the International Programme Committee is Sibel Kazak. The theme of the conference comprises the following strands:

- The use of meaningful data in teaching and learning statistics.
- The role of multivariate thinking in inferential reasoning.
- The influence of data science on the curriculum and introductory statistics courses.
- Increasing power of technology for doing statistics and for enhancing learning and understanding of key statistical concepts.
- The changing nature of data visualization and implications for the curriculum.
- Collaboration with other disciplines to enhance students' statistical understanding.

Related to the corona virus pandemic, the following note is of interest: Due to the COVID-19 coronavirus pandemic in China, there have been some concerns and questions from the participants about the Roundtable Conference being held July in Nanjing, China. The organisers are closely monitoring the development of events and working as usual on preparations to ensure a successful Roundtable in July 2020.

The organisers want to confirm that the Roundtable is being held as scheduled in July this year. There are contingency plans ranging from alternative venues to converting the Roundtable into a virtual online conference. As the situation is still unpredictable, the organisers will share with the public an update on how the Roundtable will proceed in mid-March. For now, the deadline for Early Registration fee is extended to 30 April, 2020.

Regardless of how we will proceed with the Roundtable, papers will be submitted as scheduled by February 29, 2020 to ensure high quality preparation of the Roundtable.

More information: iase-web.org/conference/roundtable20/?home.

14th INTERNATIONAL CONGRESS ON MATHEMATICAL EDUCATION (ICME 14) Shanghai, China, 12–19 July, 2020



After Hamburg 2016, the series of the Topic Study Groups under the flagship *IASE at ICME* will be continued in Shanghai, China.

Two groups concern statistics education.

Topic Study Group 11: Teaching and learning of probability

Chair: Egan Chernoff (Canada), Ernesto Sánchez (Mexico)

Team: Ali Rejali (Iran), Sibel Kazak (Turkey), Kan Guo (China)

Topic Study Group 12: Teaching and learning of statistics

Chair: Enriqueta Reston (Philippines), Andreas Eichler (Germany)

Team: Leandro de Oliveira Souza (Brazil), Gail Burrill (USA), Qian Chen (China)

A description of the goals may be seen from our conference calendar in *SERJ 18*(1).

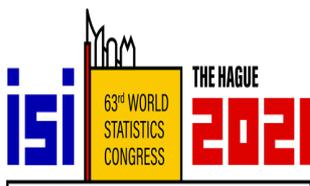
More information: www.icme14.org/static/en/news/37.html?v=1557467247882.

On 15 March, ICMI and ICME-14 will make a new announcement about the situation related to the corona virus. Currently, the organisers are very optimistic that the event will be held as usual though there have been discussions about the possibility to hold parts of the congress as virtual congress.

More information on the corona issue: www.icme14.org/static/en/index.html.

63rd WORLD STATISTICS CONGRESS OF THE ISI

The Hague, The Netherlands, 11–15 July, 2021



The 63rd ISI World Statistics Congress will bring together statisticians and data scientists from academia, official statistics, health sector and business, junior and senior professionals, in an inviting environment. The inspiring and interactive programme will provide the platform to learn about the latest developments in statistical research and practice in an informal ambiance. A series of short courses, satellites and other events completes the WSC programme.

The statistics education community wants to continue the tradition from the earlier World Statistics Congresses in Dublin (2011), Hong Kong (2013), Rio (2015), Marrakesh (2017), and Kuala Lumpur (2019), and show a string presence also at the coming WSC in 2021 and pull together strong Invited Paper Sessions (IPS). Daniel Frischemeier from Germany is IASE's representative in the planning committee for invited paper sessions. If you plan to submit a proposal for an Invited Paper Session, express your interest to Daniel.

More information: www.isi2021.org/. Contact: dafr@math.upb.de.

11th INTERNATIONAL CONFERENCE ON TEACHING STATISTICS (ICOTS 11)

Universidad de Rosario, Rosario, Argentina, 2022

The series of ICOTS will be continued in Rosario, Argentina, in 2022. Exact dates will be fixed soon. If you are interested in an active role in shaping the programme, you may contact the chair of the IPC, Bruno de Sousa (bruno.desousa@fpce.uc.pt); organiser is Teresita Téran (teresitateran@hotmail.com). More information will soon be available.

More information: iase-web.org/Conferences.php?p=Upcoming.

ISLP INTERNATIONAL POSTER COMPETITION FOR 2020–21

International Statistical Literacy Project



This competition invites school students from around the world to design a statistical poster. Every two years, it attracts many schools and promotes the case of statistics and statistics education. The winners of the 2018-19 competition may be seen from the ISLP website where the interested reader can also find the winner posters.

The next competition will be announced by February 2020 on this website.

More information: iase-web.org/islp/.

ISLP BEST COOPERATIVE PROJECT AWARD 2021

International Statistical Literacy Project



The winners of the 2019 Award may be found on the ISLP website. For those who think of joining the next competition, the old guidelines on the website can provide an orientation. The call will be announced on the website in the Fall of 2020.

More information: iase-web.org/islp/Competitions.php?p=Best_Cooperative_Project_2019.

OTHER FORTHCOMING CONFERENCES

2020 Basic Education – Math Teachers’ Society: International Research Conference

Reyna’s the Haven and Gardens, Tagbilaran City, Bohol, Philippines, 2–4 May, 2020



Theme: “*Connecting the Links of Science, Technology, Engineering, and Mathematics (STEM) for an Enhanced Mathematics Teaching-Learning Process.*”

The two project coordinators of the Mathematics Education for the Future Project have been invited to speak at this international conference in the Philippines in May. Further speakers from the 15th International Project Conference in Maynooth University, Ireland, 2019, will give plenary presentations there: Janina Morska, Katarzyna Banach, and Malgorzata Mart.

More information: secretariat.bemts@gmail.com

ELECTRONIC CONFERENCE ON TEACHING STATISTICS (eCOTS 2020)

Internet, 18–22 May, 2020



This virtual conference strives to drive the conversation about methods of engaging today’s student in understanding what data can tell us. In addition to the online content, there will also be face-to-face meetings to encourage discussion in local statistics and data science education communities. There will also be breakout sessions, online workshops, and virtual poster sessions. Keynotes:

Roxy Peck, CalPoly: *Engaging Everyone: Context, Communication, Connections & Commitment.*

Hillary Parker, Stitch Fix: *Using Data Effectively: Beyond Art & Science.*

The theme of this conference is “*Engage everyone*”:

- Group learning such as small group learning or team based learning.
- Problem based Learning or Process Oriented Guided Learning.
- Ways to engage distance learners.
- In class activities or labs and online interactive tutoring systems.
- Student Response Systems.
- Using software for conceptual understanding and simulation-based inference.
- Use of real data in case studies or service learning.
- Projects.

More information: www.causeweb.org/cause/ecots/ecots20/.

2020 ANNUAL MEETING IN OTTAWA

Carleton University, Ottawa, ON, 31 May – 3 June, 2020



The Canadian Statistical Society has a strong committee on Statistics Education. A prominent sign of the Canadian meetings is that they consistently use English and French throughout their plenaries, sessions, and workshops, which reflects the country's official languages and which also shows that multi-language use is something that can be lived with. The programme is still in statu nascendi. It will be available from the website.

More information: ssc.ca/en/meetings/annual/2020.

10TH AUSTRALIAN CONFERENCE ON TEACHING STATISTICS (OZCOTS 2020)

Gold Coast Convention and Exhibition Centre, Queensland, Australia, 9–10 July, 2020



OZCOTS are meetings on statistics education, which overlap with an Australian Statistical Conference and are run by an informal group. The conference will consider the challenges of teaching statistics for future statisticians, statistical users and consumers under the theme of “*Statistics education in today's world*”. The roles of statistical understanding and thinking are essential in all disciplines, increasingly driven by big data, evidence-based agendas, and technological advances which generate data as well as enable complex problem-solving, data visualisation, and analysis.

The organisers plan to include keynote and contributed papers, and forum discussions on issues across the statistical education spectrum of interest to the whole statistical profession. The programme aims to address challenges of the intersection of data science and statistics across different disciplines and learning strategies. It will include topics ranging across the curricula and technology for teaching introductory and undergraduate statistics; resources and online learning; statistics learning for postgraduates, researchers and workers; and research in the teaching of statistics.

More information: anzsc2020.com.au/ozcots-conference/.

XXXIV REUNIÓN LATINOAMERICANA DE MATEMÁTICA EDUCATIVA (RELME 34)

Universidad San Carlos de Guatemala, Centro Universitario de Occidente CUNOC,
Quezaltenango, Guatemala, 5–10 July, 2020

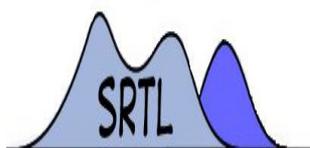


These conferences organised by the Comité Latinoamericano de Matemática Educativa host quite a few sessions that might interest researchers in statistics education.

More information: clame-relme.org/relme34.

**STATISTICAL REASONING, THINKING AND LITERACY
RESEARCH FORUM (SRTL 12)**

University of Utrecht, The Netherlands, 5–11 July, 2021



The conference theme is *Re-thinking learners' reasoning with non-traditional data*. SRTL-12 will be hosted by the University of Utrecht. The local committee will include Arthur Bakker, Marianne van Dijke-Droogers, and Lonneke Boels.

More information: blogs.uni-paderborn.de/srtl/srtl-12/.

**ANNUAL CONFERENCE OF THE INTERNATIONAL GROUP FOR THE
PSYCHOLOGY OF MATHEMATICS EDUCATION (PME 44)**

**Mathematics Education in the 4th Industrial Revolution:
Thinking Skills for the Future**

Institute for Research and Development in Teaching Profession for ASEAN,
Khon Khaen University, 21–25 July, 2020



Plenary speakers are Roberto Araya (Chile), David Wagner (Canada), Michal Tabach (Israel), Berinderjeet Kaur (Singapore). The Panel discussion will be held on the topic “*The 4th Industrial Revolution will transform/disrupt the Teaching and Learning of Mathematics*”. The panel members will be Hamsa Venkatakrishnan (South Africa), Lew Hee-Chan (South Korea), David Keith Jones (United Kingdom), Anna Baccaglini Frank (Italy), and Oi-Lam Ng (Hong Kong).

More information: pme44.kku.ac.th.

2020 JOINT STATISTICAL MEETINGS

Pennsylvania Convention Center, Philadelphia, PE, 1–6 August, 2020



The details are work in progress. The interested reader may consult to conference website. There will be a discussion on how to improve the quality of research papers in journals on statistics education.

For statistics education, the following panel discussion on *Statistics Education Research: Opportunities for Dissemination* will be of essential interest. Panelists representing all journals that are oriented towards statistics education will discuss about the possibilities to improve the quality of publications. From the description of the panel, one might see the intention of the panel and its value for the development of statistics education as a discipline:

“Statistics education research continues to grow and evolve. Publication opportunities have increased and include multiple journals devoted to statistics education research. The purpose of this panel presentation is to provide an overview of publication outlets and peer reviewed dissemination possibilities for statistics education research. The journals represented will include Journal of Statistics Education, Statistics Education Research Journal, Technology Innovations in Statistics Education, and the Teacher Corner section for The American Statistician. The panelists in this session are editors or editorial board members for statistics education-focused journals and will discuss journal overview and description, submission criteria, and ideas for the development of publishable manuscripts.”

More information: ww2.amstat.org/meetings/jsm/2020/.

**RSS 2020 INTERNATIONAL CONFERENCE –
FOR STATISTICIANS AND DATA SCIENTISTS**
Bournemouth, England, 7–10 September, 2020



This conference is welcoming all statisticians and data scientists. The programme will be organised by ‘streams’ as well as broader presentations on new developments and thinking in statistics. Further details will be announced on the website.

More information:

events.rss.org.uk/rss/frontend/reg/thome.csp?pageID=126329&eventID=406&CSPCHD=001001000000GMQy8Mufkhs4p_S0BP6MLca8gZkzWVyljgSCOZ.

**AUTUMNAL MEETING 2020 OF THE STUDY GROUP “STOCHASTICS”
HERBSTTAGUNG 2020 DES ARBEITSKREISES STOCHASTIK**

Gelsenkirchen, 13–15 November, 2020



The theme of the next meeting will be determined at the Yearly Meeting of the German Association for Didactics of Mathematics (GDM) in early March 2020. Possibly, the date and venue will change. Again, there will be time for presenting current dissertation projects in the field of stochastics education research.

More information: www.math.uni-frankfurt.de/ak-stochastik/naechste-herbsttagung.html.

**12th CONGRESS OF
EUROPEAN RESEARCH IN MATHEMATICS EDUCATION (CERME 12)**

Bolzano, Italy, 3–7 February, 2021



CERME 12 will be held in Bolzano, Italy. Local Chair: Giorgio Bolondi (Co-Chair: Federica Ferretti); Programme Chair: Jeremy Hodgen (Co-Chair: Eirini Geraniou). Again, there will be a group on *probability and statistics*. For those interested to contribute, it is

advisable to visit the ERME website where the details soon will be announced. Or you may contact Caterina Primi who has organised the group for the last CERME in Utrecht.

The new members of the team of the group might bring in their own interests but the topics should not differ so much from the past. For CERME 11, the group appreciated the following themes:

- Probabilistic and statistical thinking and its relationship to mathematical thinking.
- Dispositions, attitudes, and beliefs towards probabilistic and statistical thinking.
- The role of context in statistics.
- The professional development of teachers to teach statistics and probability.
- Computer-based tools on the learning and teaching of probability and statistics.
- Theoretical frameworks that may provide insightful models for interpreting evidence.
- Big data and analytics in K-12 education.
- Assessment in statistics education.

The proceedings of CERME 11 in Utrecht are available from: www.mathematik.tu-dortmund.de/~erme/index.php?slab=proceedings.

More information: www.cerme12.it/.

PAST IASE CONFERENCES

62nd WORLD STATISTICS CONGRESS OF THE ISI

Kuala Lumpur, Malaysia, 18–23 August, 2019



As with the previous World Statistics Congresses, there has been a representative coverage of invited-paper sessions with topics on statistics education. For details, see the conference website www.isi2019.org/.

Statistics education had a comparable good representation at this World Congress; that means, statistics education has not only become a respectable association of the International Statistical Institute but our members are also very active in their participation at the World Congresses so that the link to other groups that are more mathematically orientated and those groups that are directed towards various applications of statistics remains well established. For the details of Special Invited Paper Sessions, Invited Paper Sessions, and Special Topics Sessions, which have been organised by members of IASE, see the Conference Calendar in *SERJ 18(2)*.

Among the contributed papers, several presenters had education in various fields in their focus. For statistics education, the following were of special interest:

- Fighting innumeracy with TV (Jo Roislien).
- A theoretical framework for analysing instructors' beliefs, attitudes, and practices in the context of quantitative reasoning (Gerald Iacullo).
- A critical image of statistical analyses in medicine 2006–2018 (Michal Ordak).

2019 IASE SATELLITE CONFERENCE

Sasana Kijang, Kuala Lumpur, Malaysia, 13–16 August, 2019



The conference theme was *Decision Making Based on Data*. The satellite conference was committed to different models of decision making and to the interface between the agent making decisions and the data required.

For the details of the themes and the keynotes, see the Conference Calendar in *SERJ 18(2)*.

Proceedings:

iase-web.org/Conference_Proceedings.php?p=2019_Decision_Making_Based_on_Data.