

FORTHCOMING IASE CONFERENCES

TENTH INTERNATIONAL CONFERENCE ON TEACHING STATISTICS (ICOTS 10)

Kyoto, Japan, 8–13 July, 2018



The 10th International Conference on Teaching Statistics (ICOTS 10) will be held at the Kyoto TERRSA, in the centre of Kyoto, Japan. The theme is “*Looking back, looking forward*”. Accepted proposals are either in the review process or in statu nascendi. Deadline for the final non-refereed papers is 15 February. For the details and the strands of the conference, see SERJ 16(1), or the conference website. Among a wide and varied programme, there will also be a panel on: *The Statistics Education Research Journal (SERJ): A New Era* (Organiser Chris Franklin; panelists Maxine Pfannkuch, Manfred Borovcnik, Jennifer Kaplan). SERJ is run under the auspices of the International Association for Statistical Education. In this panel discussion, the Editors will report on the activities of SERJ and common problems in submissions and provide an overview of the challenges and issues facing SERJ and its future development. Time will be given for participants to share their perspectives. More information: icots.info/10/.

ISLP INTERNATIONAL POSTER COMPETITION FOR 2018-2019 International Statistical Literacy Project



The competition invites school students from around the world to design a statistical poster. This time there is no theme in the competition, so the subject of the poster is free. In any case, the posters should reflect or illustrate usage of analysis, interpretation and communication of statistics or statistical information.

The timetable of the ISLP Poster Competition is following: Competition starts: 8 January, 2018. Poster submission deadline: Varies depending on country, but before the national winners' announcement. National winners announced: latest at 19 April, 2019. International winners announced: 18–23 August, 2019.

There are 3 categories: students born in 2002 or younger, students born in 1999 or younger and undergraduate university students with no age limit (new category). The competitors will make a statistical poster in groups of 2-5 students.

How the national competition is arranged may vary, but usually every school's best posters go into the national competition. The winners from national competitions will progress into the international competition. The international winning posters will be presented at the 62nd World Statistics Congress in Malaysia 2019. The material for the 2016/17 competition (rules etc.) is on the ISLP website. New material will be posted soon, but there will not be too many changes.

More information: iase-web.org/islp/Poster_Competition_2016-2017.php.

62nd WORLD STATISTICS CONGRESS OF THE ISI
Kuala Lumpur, Malaysia, 18–23 July, 2019



If you are interested to contribute to statistics education in the frame of the World Statistics Congress and present your research to the wider statistics community, you might plan a detailed programme for an invited paper session with topics and speakers including abstracts and apply in time.

It is good for the Statistics Education community to be represented at ISI congresses and make IASE – the International Association for Statistical Education – visible.

More information: www.isi2019.org/.

2019 IASE SATELLITE CONFERENCE

East Asia, venue not yet fixed
before or after the 62nd World Statistics Congress in Kuala Lumpur,
18–23 July, 2019



If you are interested in shaping this conference, you might address the IASE executive committee. Suggest a general topic as theme for the conference or communicate that you are willing to serve for the organisation of this event.

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

**14th INTERNATIONAL CONGRESS ON MATHEMATICAL EDUCATION
(ICME 14)**

Shanghai, China, 12-19 July, 2020



After Hamburg 2016, the series of the congresses of the ICMI – the International Committee on Mathematical Instruction – will be continued in Shanghai, China. The *IASE at ICME* will be continued. Again, there will be two groups that concern statistics education: the Topic Study Group on Teaching and Learning Probability and the Topic Study Group on Teaching and Learning Statistics.

More information will be available from: www.icme14.org/.

PAST IASE CONFERENCES

2016 IASE ROUNDTABLE “PROMOTING UNDERSTANDING OF STATISTICS ABOUT SOCIETY”

Berlin, Germany, 19–22 July, 2016



The revised and extended papers are available online on the IASE website: iase-web.org/Conference_Proceedings.php?p=Promoting_Understanding_of_Statistics_about_Society_2016.

INTERNATIONAL CONGRESS ON MATHEMATICAL EDUCATION (ICME 13)

Hamburg, Germany, 24–31 July, 2016



The series of *IASE at ICME* was also continued at ICME 13. A selection of papers from the Topic Group on Teaching and Learning Probability was developed for the *ICME-13 Monographs: Teaching and Learning Stochastics—Advances in Probability Education Research*. (Eds. Carmen Batanero & Egan Chernoff). New York-Berlin: Springer (to be released by the end of January). For the contents, see: wwwg.uni-klu.ac.at/stochastik.schule/Boro/Veranstaltungen/ICME_13_Probability_Contents.pdf.

61st WORLD STATISTICS CONGRESS OF THE ISI

Marrakech, Marocco, 16–21 July, 2017



Many invited paper sessions were related to statistics education. For more details, see SERJ 15(2); the papers will be available from www.isi-web.org/index.php/publications/proceedings and from the IASE website. There was also an invited paper session on the future of SERJ: *The Session of the IASE Journal Statistics Education Research Journal (SERJ)*, in which there were presentations about the ideas of shaping the future of SERJ. The programme of this session may be seen from the link below, where the interested reader may also find links to the papers and slides of the session, which give an intense impression of the current issues and changes with SERJ. More information: wwwg.uni-klu.ac.at/stochastik.schule/Boro/RG/WSC_17_IPS_153_Programme.pdf.

2017 IASE SATELLITE CONFERENCE “TEACHING STATISTICS IN A DATA-RICH WORLD”

Rabat, Morocco, 11–14 July, 2017



The theme of the IASE Satellite Conference was *Teaching Statistics in a Data-Rich World*. Big data and socially responsible societies will play a key role. The abstracts booklet can be downloaded from: iase-web.org/conference/satellite17/. The proceedings will be available by the end of December from the IASE website iase-web.org/Conference_Proceedings.php.

OTHER FORTHCOMING CONFERENCES

2018 JOINT MATHEMATICS MEETINGS

San Diego, CA, USA, 10–13 January, 2018



This is the largest mathematics meeting in the world. The programme is ready. Apart from a few presentations on statistical analysis and risk management, stochastic processes and stochastic analysis and Markov chains, little is to find on probability and statistics. However, general aspects of teaching mathematics and teaching statistics are included in the programme.

For more information: jointmathematicsmeetings.org/jmm.

BRITISH CONGRESS ON MATHEMATICS EDUCATION (BCME 9)

Warwick, England, 3-6 April, 2018



BCME9 is an integrated programme of practitioner and research sessions in Mathematics Education under the auspices of the Joint Mathematical Council of the UK (JMC) that encourages delegates to engage in areas they are particularly at home with and in areas new to them, combined with engaging and stimulating workshop, discussion and plenary sessions. There will be several presentations linked to Statistics Education. Remarkably, however, is the announced opening plenary by Sir David Spiegelhalter with the title “Teaching Probability and Statistics in the Age of Data Science and Fake News”.

From the abstract of Spiegelhalter’s speech: “Future society will require people to both have the ability to draw sensible conclusions from data, and to have complementary skills to critique data-based claims made by others. There are growing resources becoming available to train doctors, journalists, lawyers and the public in ‘data literacy’ and these can be an inspiration for continuing post-16 provision such as Core Maths. But there are challenges for traditional mathematics education, since these are areas in which there is no ‘right’ answer.”

More information: www.bcme.org.uk/Home and www.bcme.org.uk/Plenary-Speakers

2018 ELECTRONIC CONFERENCE ON TEACHING STATISTICS

(eCOTS 2016)

Online, 21–25 May, 2018



The topic and the keynotes will be announced soon.

More: www.causeweb.org/cause/ecots/ecots16/program.

2018 ANNUAL MEETING OF THE STATISTICAL SOCIETY OF CANADA
McGill University, Montreal, Québec, Canada, 3–6 June, 2018



The SSC conference will include special seminars and presentations from the Statistical Education Section. There will also be a student conference.

More information: ssc.ca/en/meetings/2018-annual-meeting.

**XXXII REUNIÓN LATINOAMERICANA DE MATEMÁTICA EDUCATIVA
(RELME 32)**

Universidad de Medellín, Medellín, Colombia, 2–6 July 2018



These conferences on mathematics education host quite a few sessions that might interest researchers in statistics education; the principal session has the title *Thinking related to probability and statistics*. More information: cica.udem.edu.co/index.php?option=com_content&view=article&id=213&Itemid=254&lang=en.

**ANNUAL CONFERENCE OF THE INTERNATIONAL GROUP FOR
THE PSYCHOLOGY OF MATHEMATICS EDUCATION (PME 42)**

Umeå, Sweden, 3–8 July, 2018



The theme of the conference is “*Delight in Mathematics Education*” and it refers to the joy, pleasure, and beauty in both mathematics and mathematics education. It includes issues on how both teaching and learning mathematics can be fun, meaningful, and inspiring, for teachers as well as for students. Depending on the activity, the deadline for submission is: 15 January or 1 March 2018.

More information: www.trippus.se/eventus/userfiles/89238.pdf.

DATA SCIENCE, STATISTICS & VISUALISATION (DSSV 2018)

Technical University of Vienna, Vienna, Austria, 9–11 July, 2018



This meeting shall create a forum to discuss recent progress and emerging ideas in these different disciplines and encourage informal contacts and discussions among all the participants. The conference welcomes contributions to practical aspects of data science, statistics and visualisation, and in particular those which are linking and integrating these subject areas. Presentations should thus be oriented towards a very wide scientific audience, and can cover topics such as machine learning and statistical learning, the visualisation and verbalisation of data, big data infrastructures and analytics, interactive learning, advanced computing, and other important themes.

More information: iasc-isi.org/dssv2018/

2018 JOINT STATISTICAL MEETINGS

Vancouver Convention Centre, Vancouver, BC, Canada, 28 July–2 August, 2018



As usual with the largest statistics conference in North America, there will be presentations on statistics education organised by the Section on Statistical Education of the American Statistical Society.

More information: www.amstat.org/ASA/Meetings/Joint-Statistical-Meetings.aspx.

RSS 2018 INTERNATIONAL CONFERENCE

Cardiff, Wales, 3–6 September, 2018



This conference is intended for all statisticians and users of data. The programme will be organised by ‘streams’ allowing in-depth focus on specialised topics as well as broader presentations on new developments and thinking in statistics:

- Applications of statistics
- Communicating and teaching statistics
- Data science
- Environmental statistics
- Industry and finance
- Medical statistics
- Methods and theory
- Official statistics and public policy
- Professional development
- Social statistics

Ideas to frame the programme are welcome. More information will be available from: www.rss.org.uk/RSS/Events/RSS_Conference/2018_International_Conference/RSS/Events/Conference/RSS_2018_International_Conference.aspx?hkey=a556f955-22c6-4502-8956-5994c7f7c047

ENCUENTRO DIDÁCTICA DE LA ESTADÍSTICA, LA PROBABILIDAD Y EL ANÁLISIS DE DATOS (VI EDEPA)

Statistics Education and Data Analysis Conference

Cartago, Costa Rica, 3–7 December, 2018



The aim of the seminar is to bring university professors and secondary teachers together and improve the teaching of statistics and probability at the primary and secondary levels. The aims are specified as:

- To demonstrate the progress of education in statistics, probability and data analysis at primary, secondary and university levels.
- To encourage the participants to perform quantitative investigations using statistics, probability and data analysis.
- To constitute a space of criticism, debate and communication on the current state and recent developments of the investigations in the Didactics of Statistics, Probability and Data analysis both at national and international levels.
- To establish a group that works on the improvement of education in statistics, and probability in primary and secondary levels.

Submission of papers: 1 March 2018.

More information: tecdigital.tec.ac.cr:8088/congresos/index.php/edepa/6_edepa.

ERME TOPIC CONFERENCES (ETC)
22–24 March, 5–7 September, 5–7 April, 2018



ERME Topic Conferences (ETC) are organised around a specific research theme. Their aim is to extend the work of the group in specific directions with clear value to the mathematics education research community. The idea of ETCs is to provide opportunities for cooperation, collaboration and communication among researchers in mathematics education. The preparation follows a procedure similar to the the working groups at CERME, using their guidelines with some adaptations.

It would be interesting to have an ERME Topic Conference on Probability or on Statistics. So far, it is not yet planned. However, also all the other topics that are on the agenda influence teaching probability and statistics in the one or the other way.

Third ETC on Mathematics Teacher Education
Berlin, Germany, 5-7 October, 2016

Fourth ETC on Classroom-Based Research on Mathematics and Language
Dresden, Germany, 22–24 March, 2018

Fifth ETC on Mathematics Education in the Digital Age (MEDA)
Copenhagen, Denmark, 5–7 September, 2018

Sixth ETC on University Mathematics Education (INDRUM 2018)
Kristiansand, Norway, 5–7 April, 2018

Information: Proceedings [Third ETC](#) – [Fourth ETC](#) – [Fifth ETC](#) – [Sixt ETC](#).

Details on ERME, see: www.mathematik.uni-dortmund.de/~erme/index.php?slab=erme-topic-conferences.

**11th CONGRESS OF EUROPEAN RESEARCH IN MATHEMATICS
EDUCATION (CERME 11)**

Utrecht University, Utrecht, The Netherlands, 5–10 February, 2019



ERME has a strong working group on probability and statistics education. Local chairs of the next CERME are Marja van den Heuvel-Panhuizen and Michiel Veldhuis. The IPC will be chaired by Thomas Jankvist and Miguel Ribeiro.

The programme will be online in March 2018. The call for papers will be in the summer of 2018, presumably with a deadline for the submission of papers in September.

More information: cerme11.org/.

**STATISTICAL REASONING, THINKING AND LITERACY
RESEARCH FORUM (SRTL 11)**

University of California Los Angeles (UCLA), USA, Summer 2019



Dates and conference theme will soon be announced. The head of the local organising committee is Robert Gould. More information: blogs.uni-paderborn.de/srtl/srtl-11-2019/.

**15th INTERNATIONAL CONFERENCE OF
THE MATHEMATICS EDUCATION FOR THE FUTURE PROJECT**

Maynooth University, Kildare, Ireland, 4–9 August, 2019

The theme of the conference is “*Theory and Practice: An Interface or A Great Divide?*” The Mathematics Education for the Future Project is an international non-profit body to support and encourage innovation in mathematics, statistics, science and computer education. The organisers invite “to participate in a programme specially designed to be useful and practical. As well as many varied and interesting papers, there will be workshops, small interactive working groups, and the creative open forum of ideas.” The key notes are already fixed:

Douglas Butler: The highly successful TSM Technology for Secondary/College Mathematics workshops show teachers an effective way of integrating technology into the mathematics classroom. See also www.tsm-resources.com/autograph.

Bradford Hansen-Smith: Learn more about Wholemovement and how to make these beautiful and mathematically rich constructions from folded paper plates!
www.wholemovement.com.

Luckson Muganyizi Kainois: A teacher and curriculum developer who believes strongly that mathematics has important connections with the social sciences.

More information:

directorymathsed.net/public/Ireland/IrelandConferencePreliminaryAnnouncement.pdf.

OTHER PAST CONFERENCES

CHANGING WITH TECHNOLOGY – 2016 ELECTRONIC CONFERENCE ON TEACHING STATISTICS (eCOTS 2016)

Online, 16–20 May, 2016



The slides (partially also videos) are available from the source below. Interesting for statistics education are the key notes:

- Andrew Gelman: Changing everything ... create a completely new introductory statistics course.
- Michael Jordan: Computational and inferential thinking ...

More: www.causeweb.org/cause/ecots/ecots16/program.

AUSTRALIAN STATISTICAL CONFERENCE 2016 – AUSTRALIAN CONFERENCE ON TEACHING STATISTICS (OZCOTS 2016)

Canberra, Australia, 5–9 December, 2016



The major focus of the conference was *Big Data: Mining, Analysing and Teaching*. OZCOTS 2016 has considered many challenges of teaching statistics for future statisticians, statistical users and consumers under the theme of “*Statistics Education in a Big Data Era*”. The next OZCOTS will be in 2020. The proceedings are available from the IASE website:

iase-web.org/documents/anzcots/OZCOTS_2016_Proceedings.pdf.

2017 U.S. CONFERENCE ON TEACHING STATISTICS (USCOTS 7)

State College, PA, USA, 18–20 May, 2017



The conference addressed issues on how to make connections in curriculum, pedagogy, resources, and educational research. The theme “*Show me the data*” encompasses many aspects of teaching. Slides are available from:

www.causeweb.org/cause/uscots/uscots17.

STATISTICS AND DATA SCIENCE: NEW CHALLENGES, NEW GENERATIONS

University of Florence, Italy, 28–30 June, 2017

Statistics and Data Science:
new challenges, new generations
Florence 28-30 June

The conference was intended to highlight the crucial role of statistics in data science. This field is not only changing the world of statistics drastically but will also influence statistics education. The proceedings are available as e-book from:

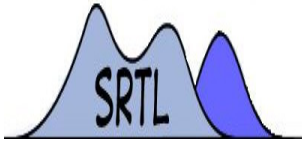
www.fupress.com/catalogo/sis-2017--statistics-and-data-science-new-challenges-new-generations/3407. There will also be a monograph based on the contributions of the conference published by Springer.

More information:

meetings3.sis-statistica.org/index.php/sis2017/sis2017/about/editorialPolicies#custom-7.

**STATISTICAL REASONING, THINKING AND LITERACY
RESEARCH FORUM (SRTL 10)**

Rotorua, New Zealand, 2–8 July, 2017



There will be a special issue in ZDM on the theme of the conference “*Innovations in Statistical Modelling to Connect Data, Chance and Context*” with guest editors Maxine Pfannkuch, Stephanie Budgett, and Dani Ben-Zvi.

2017 JOINT STATISTICAL MEETINGS

Baltimore Convention Center, Baltimore, MD, USA, 29 July–3 August, 2017



Theme in this year was “*Statistics: It’s Essential*”. The ASA Section on Statistical Education had quite a good share on the programme. A few mentioned here give account that it might be worthwhile to search through the programme.

- *IMS Presidential Address and Awards Ceremony*: Teaching Statistics in the Age of Data Science – Jon A. Wellner
- *Invited Papers*: Novel Approaches to First Statistics/Data Science Courses
Three-Methods Approach to Statistical Inference – Benjamin Baumer
Transitioning from ‘Intro to Statistics’ to ‘Reasoning with Data’ – Rebecca Nugent
A First-Year Undergraduate Data Science Course – Mine Cetinkaya-Rundel
Teaching Stats for Data Science – Daniel Kaplan
- *Roundtable Discussions*:
Infusing Data Science into the Statistics Curriculum. Adam Loy, Laura Chihara, Shonda Kuiper
Why Do Students Hate Statistics? Michael DeDonno
- *Panels*:
Training Statisticians to be Effective Instructors. Panelists: Meghan Short, Jennifer Kaplan, Patricia Buchanan, Paul Stephenson, Adam Loy
The Essential Connections between Industry and Statistics Education: Innovation, Technology, and Partnerships. Panelists: Robert Carver, David Levine, Mia Stephens, Scott Toney, Billie Anderson
- *Furthermore, there was a session on contributed papers* with various topics on Statistics Education under the theme Novel Approaches to Pedagogy.

More information: ww2.amstat.org/meetings/jsm/2017/, or directly on the Statistics Education Section of the ASA: community.amstat.org/statisticaleducationsection/home.

CHALLENGES AND INNOVATIONS IN STATISTICS EDUCATION
Multiplier conference of ProCivicStat, Szeged, Hungary, 7–9 September, 2017



ProCivicStat contributes to understanding quantitative evidence about key social phenomena that permeate civic life. The goal of the conference was for participants to learn about ProCivicStat materials and other relevant resources, to share their ideas and current practices, and work on challenges and innovations in statistics education.

The slides of the presentations are available from:

www.eco.u-szeged.hu/english/research/conferences-workshops/challenges-and-innovations-in-statistics-education/presentations/presentations.

EDUCATION IN STATISTICS AT SCHOOL LEVEL
STATISTIC DAYS OF THE AUSTRIAN STATISTICAL SOCIETY (ÖSG)
University of Salzburg, 13–15 September, 2017



Statistics education is challenged in research as well as in designing teaching in class to enable meaning to the taught concepts. This seminar provided an overview on various approaches towards teaching and teacher pre-service courses.

The keynote by Ramesh Kapadia was on understanding uncertainty; Kapadia investigated the role of risk. Katja Krüger illustrated the potential of official statistics with the aim of improving statistical literacy. Engert-Oostingh described the milestones of a genetic approach to probability by playing and chancy games. Stefan Götz illustrated the key ideas of a university in-service course for mathematics teachers in probability. Franz Schoberleitner highlighted the key role of context in stochastic tasks. Manfred Borovcnik presented selected applets – written in Excel – to introduce a dynamic view of key concepts in the teaching of probability and statistics. Hans-Joachim Mittag presented applets that work on smartphones and introduced short videos to support teaching.

For the presentations, see:

www.osg.or.at/main.asp?VID=1&kat1=108&kat2=686&kat3=597&yposoffset=0.

For the proceedings, see: www.mathematikunterricht.at/

ASA SYMPOSIUM ON STATISTICAL INFERENCE
Bethesda, MD, USA, 11–13 October, 2017



Scientific Method for the 21st Century: A World Beyond $p < 0.05$

This ASA Symposium attracted more than 400 participants. The slides of the presentations can be retrieved from ww2.amstat.org/meetings/ssi/2017/onlineprogram/Program.cfm. In due course of the Symposium, there is a *Call for Papers*.

TAS Special Issue: Statistical Inference in the 21st Century: A World Beyond $P < 0.05$

Submission is not restricted to conference contributions. Details of the call may be seen from ww2.amstat.org/meetings/ssi/2017/callforpapers.cfm. The inspiration for the special issue is the ASA's Symposium on Statistical Inference, which followed up on the ASA's [Statement on \$P\$ -Values and Statistical Significance](#). The statement called for moving statistical analysis and evidence-based decision-making beyond “bright line rules” toward a “post $p < 0.05$ era.”

Although the problems identified in the statement have been known for decades, previous expressions of concern and calls for action have not fostered broad improvements in practice. The expectation is that the symposium and this special issue of *TAS* will lead to a major rethinking of statistical inference, aiming to initiate a process that ultimately moves statistical science – and science itself – into a new age.

The special issue will be published online and remain open access, making it accessible to the research community and users of statistics.

Deadline for submission: 15 February, 2018.

Contact: Ron Wasserstein ron@amstat.org.

**AUTUMNAL MEETING 2017 OF THE STUDY GROUP „STOCHASTICS“
HERBSTTAGUNG 2017 DES ARBEITSKREISES STOCHASTIK**

Frankfurt am Main, 10–12 November, 2017



This year, the theme has been “*Effective teaching in stochastics from elementary school to the final exam*“. There have also been level-specific working groups on the design of teaching sequences. This was an excellent opportunity of exchange of ideas between researchers and teachers. The participants recommended extending this kind of exchange for the Autumnal Meetings for the future.

The abstracts can be downloaded from:

www.math.uni-frankfurt.de/ak-stochastik/files/programm-herbsttagung-2017.pdf.

A report will appear in the first 2018 issue of *Stochastik in der Schule*:

www3.math.uni-paderborn.de/~agbiehler/sis/index.htm.

The next meeting will take place in Würzburg (2–4 November 2018).

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