



Announcement and Call for Submissions

IASE 2020 Roundtable Conference – Nanjing, China

“New Skills in the Changing World of Statistics Education”

Website: iase-web.org/conference/roundtable20

The International Association for Statistical Education (IASE) is pleased to announce its 2020 Roundtable Conference that will take place on **July 6-10, 2020** in Nanjing, China, just before the 14th International Congress of Mathematics Education (ICME-14; July 12-19, 2020 in Shanghai). IASE Roundtables are working conferences with participation by invitation only with the aim to bring 40-50 educators from around the world and the host country to share their passion, expertise and experiences in statistics education.

The five-day Roundtable will be held at Nanjing University of Aeronautics and Astronautics under the unique theme **“New Skills in the Changing World of Statistics Education”**. Given the rapid developments in the ways of interacting with data enabled by digital technologies, this conference aims to discuss development of foundations for statistical literacy from early school years in moving towards big data and “new” skills in relation to data science and analytics, the role of different types of digital tools, and curricular issues in statistics education. The conference also intends to inspire collaborative efforts with various related disciplines and to build bridges between statisticians, statistics educators, software designers, data scientists and data providers.

Through a mixture of formats including extensive discussions in small groups, the meeting will advance current knowledge about conceptual frameworks, teaching methods, technology solutions, and curricular materials that can support and promote students’ learning and understanding of statistics in this changing world of statistics education. All submissions will be peer-refereed. A main outcome of the Roundtable will be a monograph containing a set of high-standard updated papers and concrete teaching materials, reflecting the discussions and work during the Roundtable. All papers and posters as well as teaching resources based on the Roundtable will be published in the IASE online Proceedings and future Resources webpage. It is possible to participate in the Roundtable in one of four invited roles: Paper presenter, Workshop organizer, Poster presenter; or Discussant leader.

Call for submissions:

The IASE 2020 Roundtable is now accepting applications for contributions in the form of papers, workshops and posters that fit the theme “New Skills in the Changing World of Statistics Education” and that address one of the following topics:

1. The use of real and meaningful data in teaching and learning statistics,
2. The emerging role of multivariate thinking in inferential reasoning,
3. The influence of data science on the school curriculum and introductory statistics courses,
4. Increasing power of technology and its use for doing statistics and for enhancing learning and understanding of key statistical concepts,
5. The changing nature of data visualization and implications for the curriculum,
6. Collaboration with other disciplines to enhance students’ statistical understanding

Submissions and Dates: To be considered for an invitation, submit an application as follows:

- **For a paper or a workshop:**
The submission will require a **detailed description of your planned paper or workshop (ca. 300 words)** including the following sections: Purpose, Design/ Methodology, Results/ Outcomes, Implications for theory and practice and Contribution to the theme of the Roundtable and its topics, by **October 31, 2019** via the conference website. Authors will be notified by **November 30, 2019** about provisional acceptance of submission. A first draft paper is due by **January 15, 2020** with final acceptance by **March 15, 2020**. A final version of the revised paper for publication is due by **October 31, 2020**.
- **For a poster:**
The submission will require a **detailed description of your planned poster (ca. 300 words)** including the following sections: Purpose, Design/ Methodology, Results/ Outcomes, Implications for theory and practice and Contribution to the theme of the Roundtable and its topics, by **January 15, 2020** via the conference website. Authors will be notified by **February 22, 2020** about acceptance of submission.
- **For a discussant leader:**
The submission will require an **extended description of relevant background and interest (200-300 words)** by **January 15, 2020** via the conference website. Submitters will be notified by **February 22, 2020** about acceptance.

Visit the conference website iase-web.org/conference/roundtable20 for more information about the conference theme and topics, conference venue, travel information, registration fees, and accommodation. (The website is being updated as conference plans evolve.)

Questions about the scientific program and submissions can be sent to the International Program Committee Chair, Sibel Kazak: skazak@pau.edu.tr, and questions about logistics and registration can be sent to the Local Organizing Committee Chair, Gaofeng Da: dagfvc@gmail.com.

We, the International Program Committee, look forward to your submission!

Sibel Kazak (Turkey), *Chair of the International Program Committee*

Pip Arnold (New Zealand), *Editor of Proceedings*

Gail Burrill (United States), *Past-President, IASE*

Gaofeng Da (China), *Chair of the Local Organizing Committee*

Joachim Engel (Germany), *President, IASE*

Daniel Frischmeier (Germany)

Nicholas Horton (United States)

Tae Rim Lee (South Korea)

Genelyn Sarte (Philippines)

John Shanks (New Zealand), *Information Manager*

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