



Call for proposals on statistics education

For Invited Paper Sessions (IPS) at the 60th World Statistics Congress, Rio de Janeiro, Brazil

July 26-31, 2015



Dear Colleagues:

We are writing to solicit proposals for **Invited Paper Sessions (IPS)** related to Statistical Education, for the 60th ISI World Statistics Congress (WSC60) to be held in Rio de Janeiro, Brazil, July 26-31, 2015. Proposals can be submitted both by IASE members and non-members.

*Please note: The WSC will also have **Special Topic Sessions (STS)**, **Contributed paper sessions** and **poster sessions**, all handled by the Local Program Committee (LPC). See details on the ISI website: <http://www.isi2015.ibge.gov.br> (The deadline for STS proposals: May 16, 2014).*

A reminder about two other IASE events: (1) Our **2015 Satellite meeting** will be held in Brazil before WSC60. News coming soon on the IASE website: <http://iase-web.org>

(2) Start planning for the exciting **9th Int'l Conference on Teaching Statistics**, July 13-18, 2014, Flagstaff, Arizona, USA. See the ICOTS9 website: <http://icots.net/9>

Deadline for submission of IPS proposals to the IASE: 15-Dec-2013. Please submit your proposal or send inquiries to the **IASE representative for WSC60: Bruno de Sousa** at: < bruno.desousa@fpce.uc.pt >, and copy (cc) your email to: < iddo@research.haifa.ac.il >.

The proposals should contain the following information:

- **Title** of the proposed session.
- **Abstract** (150-250 words) describing the planned content/focus and the anticipated contribution/importance/justification of the session.
- **Chair + Session Organizer** (name, email and affiliation). Note that these roles usually are separated in WSC sessions to two individuals, but in the initial submission it is possible to combine them under one individual.
- **Invited speakers** (name, email and affiliation) who have agreed to participate. If the names of invited speakers and the discussant are not finalized at the time of submitting the proposal, please just indicate the institution or plans for prospective speakers.
- **Discussant** (name, email, affiliation). Note: IPS usually have at least one discussant.

Timeframe for the session: In planning your session, please note an important change in the timing of sessions at the Rio WSC. Unlike prior WSCs, sessions will be of three different lengths with 70,100 and 120 minutes; talks within them can vary in length from 15-25 minutes each. The number of speakers (and discussants) can thus vary from 2-3 for 70-min. sessions, 3-4 for 100 min. sessions, to 4-5 for 120 min. sessions. However, in planning any session, please take into account the need to also leave sufficient time for floor discussions and questions & answers.

Topics for proposed sessions: The general criteria established by the SPC recommend that sessions proposed by all seven ISI Associations should address recent developments in research and practice, be of interest to a broad cross-section of ISI members, balancing theoretical and

applied aspects with topics of broad or global importance. With this in mind, IASE-sponsored sessions in WSC60 should showcase diverse types of state-of-the-art research and practice and designed to inform the teaching, learning, and understanding of statistics or probability at all educational levels and in both formal (class-based) and informal (out-of-school, applied) contexts.

Sessions proposed for the IASE-sponsored program which is part of the WSC60 could address a wide range of topics, such as the following (but not limited to these):

- Cognitive, motivational, attitudinal, curricular, teaching-related, or technology-related factors and processes that are related to and can improve the acquisition or understanding of stochastic and statistical knowledge and skills,
- Institutional factors that affect curriculum development in statistics education,
- How people learn, use or apply statistical and probabilistic information and data-related ideas in practical contexts such as in professional or work contexts, or when facing everyday situations as patients, consumers, community members, parents, etc,
- Assessment and evaluation in statistics education,
- Developing statistical literacy or appreciation of the value of statistics by citizens or pupils,
- How comprehension of statistical findings and risk-related information communicated to the public can be enhanced by producers of statistics, by educators, and by the media,
- Best practices in teaching, grading, and managing the teaching of statistics in big classes, and effective uses of technology in this regard,
- Effective methods for improving the teaching and learning of quantitative research methods and of advanced statistical topics at the university level (e.g., multivariate statistics, data analytics, Bayesian methods, etc.),
- Capacity-building initiatives related to statistics education in developing countries,
- Educational projects involving official statistics agencies and other data producers,
- Effective methods for training of pre-service and in-service teachers and tertiary-level teachers in best practices in teaching statistics and probability.

Evaluation of proposals:

Proposals for IPS sessions will be initially reviewed by IASE, to ensure that the proposed session has a potential to emphasize novel ideas, findings or approaches to issues of relevance to IASE. The participation of people from developing countries and of women, as well as of early-career scholars and practitioners, is particularly encouraged.

Sessions will then be selected by the Scientific Program Committee for WSC60 on a competitive basis with reference to scientific quality, relevance and impact, seeking to ensure that sessions have a balance of organizers/speakers/discussants from around the world. Announcements regarding acceptance of proposals will be made by mid-2014.

Competitive IPS proposals that are not selected by the SPC due to limitation of time-slots, may be considered as STS proposals by the Local Program Committee.

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<p>IASE website: http://iase-web.org</p>
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