IOMW 2020 ❖ Call for Proposals

IOMW 2020: April 14 –17, 2020, at University of California, Berkeley

Measurement holds value and importance in nearly every aspect of modern society, including engineering and technology, commerce, medicine, education, and the physical and social sciences. Measurement is commonly considered a privileged means of acquiring information, and is associated with precision, accuracy, and objectivity.

Over the years, the International Objective Measurement Workshop (www.iomw.org) has served as a gathering place for scholars interested in advancing the science and practice of measurement, particularly in the human sciences. Much of the discussion has revolved around the class of models and accompanying conceptual schemas for measurement first articulated by Georg Rasch and Benjamin Wright.

The IOMW solicits proposals relevant to the theory and practice of measurement.

Submission Deadline: **January, 7, 2020**

Submit your proposal at: https://www.iomw.org/proposal-submission

Themes

The IOMW is interested in well-written proposals and thought-provoking presentations relevant to the theory and practice of measurement. We invite both theoretically-focused and applied papers. Examples of themes of particular urgency follow:

Measurement in the information age. Sources and types of data have expanded beyond traditional responses to fixed survey questions. With advances in technology have come dramatic increases in the size and scope of data, and in access to it. We invite papers that incorporate data from novel sources, that advance measurement methodology for such data or that reflect critically on measurement theory and practice in the era of big data.

Applications and modeling. The IOMW provides opportunities to share evolving and ongoing work relevant to the practice of objective measurement, broadly defined. We invite papers that allow you to share work (including work in progress) and get feedback from colleagues in the IOMW community. Our goal is to keep up to date with the latest advances in the application of objective measurement.

Conversations across disciplines and traditions. Objective measurement is a critical component of scientific inquiry in many areas, including but not limited to the areas of public health, the medical sciences, counseling, the biological sciences, psychology, education, economics, and sociology. Papers likely to stimulate cross-disciplinary perspectives on measurement are especially welcome.

Change over time, place, and context. On the one hand, invariance is a critical concept in objective measurement; on the other hand, measures are often applied to highly dynamic

systems (e.g., human beings) that change over time and context. This is particularly visible in contemporary debates about the assessment of learning and "growth." We welcome papers on related topics including but not limited to vertical scaling, measurement invariance (of any form), and longitudinal models.

Foundations of measurement. IOMW scholars are committed to examining foundational measurement concepts, including the conditions that maximize the validity, reliability, and utility of measures. We welcome conceptual, theoretical, historical and/or comparative papers that help us to understand better what is at stake in the development, use, and discussion of measures.

Presentation Formats

We are very interested in promoting conversations and dialogues, and hence we invite submissions in four basic formats:

(a) roundtable individual presentations
(b) symposium roundtables
(c) posters
(d) workshops (full-day or half-day)

Roundtable individual presentations will be organized with four 5-minute presentations around a common theme and will include at least 20 minutes for discussion. Symposium roundtable submissions should include four or five short presentations around a common predefined theme. Posters will also be grouped by theme. All sessions (roundtables and posters) will have a facilitator to promote discussion and exchange of ideas.

Proposals judged by the Program Committee to be high quality and appeal to a broader audience will be placed in to "Spotlight Talks"—a format that allows a speaker to address a larger number of participants.

Proposals for alternative session formats, as well as for half-day/full-day workshops, are also invited.

IOMW will continue to facilitate a mentoring program that pairs graduate students and early-career researchers who are presenting at the conference with seasoned scholars. Please indicate your interest in the proposal submission form (see below).

Submitting Proposals

To submit a proposal, fill out the submission form by **January 7, 2020**, 11:59 pm PST.

Proposals should include a title, an abstract of no more than 150 words, and a narrative description of no more than 1000 words. Proposals should include information about (a) theme(s), and (b) presentation format, and be formatted as a PDF file with all identifying information (e.g., authors names) removed, to facilitate blind review. The maximum file size is 15 MB.

In your proposal, please make an attempt to address the points below:

- Introduction: description of how this work fits into the existing literature and what will be the new addition.
- Aims and objectives: what are the research questions?
- Research design and methods that address the research problem, including data analysis and modeling framework.
- References (preferably in APA style).

Criteria for acceptance are:

- **Perspective**. What is your theoretical framework? Is it likely to be interesting and relevant to IOMW attendees?
- **Clarity.** Can we figure out what you're talking about?
- **Support.** How strong is the evidence for your claims?
- **Importance.** Are you saying something significant to the theory and practice of measurement?

Keynote Speakers

We are excited to have two keynote speakers at IOMW 2020:

- **Dr. Neal Kingston** (University of Kansas) will tell us about his research on learning maps, and
- **Dr. Luca Mari** (Università Cattaneo, Italy) will talk about the foundations of measurement.

Workshops

There will also be several workshops led by leading experts in the subject that will cover both technical and substantive topics including:

- **Latent variable modeling with R** by Dr. Minjeong Jeon, UCLA;
- **BEAR Assessment System (BAS) and BAS Software (BASS)** by Dr. David Torres Irribarra, Catholic University of Chile and BEAR Center researchers;
- **Philosophy of measurement**— a workshop based on an upcoming book on the (by Dr. Luca Mari, Dr. Mark Wilson, and Dr. Andrew Maul, UC Santa Barbara).

Location and Dates

The conference part will take place from **April 14 through the mid-day of April 16,** followed by workshop sessions (half-day & full-day) from **the afternoon of April 16 through April 17**.

Both the conference and workshop sessions will be held at **Sutardja Dai Hall on the UC Berkeley campus** (about 20-30 minutes train ride from the downtown San Francisco where AERA/NCME will be held).

Registration

Registration will open in mid-December at https://www.iomw.org/