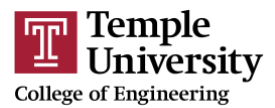
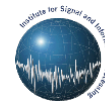




Entering Our 14th Year



IEEE Signal Processing in Medicine and Biology Symposium

Saturday, December 2, 2023

Temple University, Philadelphia, Pennsylvania

IEEE SPMB23, now in its 14th year, is a virtual symposium that provides an international forum for collaboration between bioengineering and signal processing researchers. We expect approximately 100 researchers from 30 countries to attend this virtual event. We specifically encourage graduate students to attend and present early versions of their thesis or dissertation research. This is an excellent opportunity to network with leading professionals in your field and to form new collaborations.

The symposium is sponsored by the IEEE Region 2 Philadelphia Section, Temple University, and the Neural Engineering Data Consortium. This symposium is intended to bring together a wide range of professionals interested in applications of signal processing medicine and biology. Signal processing and artificial intelligence are rapidly transforming healthcare due to the significant success deep learning technology is enjoying recently. The enormous amounts of data that can be mined from devices, medical records and the Internet is enabling a new generation of technology based on big data.

The symposium will consist of two plenary talks, two oral sessions and a poster session. The conference will be held online using Zoom since this seems to be work best for our international audience. In addition to publication of your paper or abstract, a video recording of your contribution will be made available from the conference technical program web page. Please refer to [last year's program](#) to see examples of these presentations.

The conference technical committee will also select a best paper based on both the written submission and oral presentation. Poster submissions are not eligible for this award.

Symposium Topics:

Traditional topics include:

- Signal and image analysis (e.g., EEG, ECG, MRI)
- Machine learning, data mining and classification
- Big data resources and applications
- Applications of quantum computing

Applications of particular interest this year include:

- Digital Pathology
- Computational Biology
- Genomics, Genetics, Proteomics

If you have questions about the relevance of a planned submission, feel free to contact the technical committee at help@ieeespmb.org for guidance.

Paper/Abstract Submission:

Presenters may choose to submit to one of two peer-reviewed tracks:

- (1) Paper: An original four to six-page paper for oral presentation.
- (2) Poster: A short abstract (one-page min.) that will be presented as a poster.

All papers and abstracts will be submitted to [IEEE Xplore](#) for indexing (search for "IEEE SPMB" to find past conferences).

Papers/abstracts can be submitted via email to submit@ieeespmb.org. Contributions must follow the approved conference formats (see [guidelines](#)). Videos of your presentations will also be archived online. Final poster submissions include a copy of the poster.

Important Dates:

Paper Submission:	Jul. 1, 2023
Notification:	Sept. 1, 2023
Paper Revisions:	Oct. 1, 2023
Early Registration:	Nov. 15, 2023
Final Program:	Dec. 1, 2023

Organizing Committee:

General Chairs:

Joseph Picone (Temple)
Ammar Ahmed (Aptiv)

Technical Program Chair:

Mark Ng (Ulster)

Program Chairs:

Khem Poudel (MTSU)

Publications Chair:

Vaishali Amin (PPL)

Web: <http://www.ieeespmb.org/2023>

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