

# Call for Papers

## IEEE CBMS 2020: The 33rd IEEE International Symposium on Computer-Based Medical Systems (CBMS)

Mayo Clinic, Rochester, MN, USA

~~June 22-24~~, **July 28-30**, 2020

<http://cbms2020.org/>

**Important message from the Chairs:** The committee moves CBMS 2020 symposium "ONLINE" due to COVID-19 events.

**Call for Papers:** The 33rd IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS 2020) will be held at Mayo Clinic, Rochester, Minnesota, USA, ~~June 22-24~~, July 28-30, 2020. Attracting a worldwide audience, CBMS is the premier conference for computer-based medical systems, and one of the main conferences within the fields of medical informatics and biomedical informatics. CBMS allows the exchange of ideas and technologies between academic and industrial scientists. The scientific program of IEEE CBMS 2020 will consist of regular and special track sessions with technical contributions reviewed and selected by an international program committee, as well as keynote talks delivered by leading experts in their fields. The CBMS 2020 edition also aims to host high-quality papers about industry and real case applications as well as allow to researchers leading international projects to show to the scientific community the main aims, goals and results of their projects.

The CBMS 2020 invites the submission of long and short papers on original unpublished scientific contributions that are not submitted concurrently to a journal or another conference. Studies should be conducted to good research practice standards with due regard to ethics in the study design.

Prospective authors are expected to submit their contributions to the general track or one of the special tracks if relevant. Please see submission guidelines for further details.

### Important dates:

- Paper submission: ~~February 29, March 10, March 24~~, April 24, 2020
- Notification of acceptance: ~~March 30, 2020 April 10~~, **May 15, 2020**
- Camera-ready due: ~~April 15, 2020 April 20~~, **May 29, 2020**

- Author registration at the conference (start): ~~April 22~~, May 20, 2020
- CBMS 2019: ~~June 22-24~~, July 28-30, 2020

These dates are for any kind of submission at CBMS, including special tracks that will have the same deadlines.

### **Submission:**

Relevant topics for the conference include, but are not limited to, the following areas:

- e-Health
- Serious Games for Healthcare
- Software Systems in Medicine
- Radiomics and Radiogenomics
- Data Analysis and Knowledge Discovery
- Knowledge Representation
- Information retrieval
- Decision Support and Recommendation Systems
- Big Data Analytics in Healthcare
- Cognitive Computing in Healthcare
- Network and Telemedicine Systems
- Technology Enhanced Medical Education
- Content Analysis of Biomedical Image Data
- Web-Based Delivery of Medical Information
- Human-Computer Interaction (HCI) in Healthcare
- Active and Healthy Ageing
- Technology in Clinical and Healthcare Services Research
- Biomedical Signal and Image Processing and Machine Vision
- Computer Supported Cooperative Work in Healthcare (CSCW)
- Medical Robotics, Intelligent Medical Devices and Smart Technologies
- Medical education using ICT
- Bioinformatics

### **Long papers**

Long papers may consist of up to six (6) Letter-sized pages. Long papers will be presented orally. The program committee may suggest the presentation of the paper as a short paper.

### **Short papers**

Short papers may consist of up to four (4) Letter-sized pages. Short papers will be presented orally as short talks.

## **Submission guidelines:**

Each contribution must be prepared following the IEEE two-column format; the authors may use LaTeX or Microsoft Word templates when preparing their manuscripts.

Papers must be submitted electronically using the EasyChair conference management system at:

<https://easychair.org/conferences/?conf=cbms2020>

All submissions will be peer-reviewed by up to three reviewers of the Program Committee.

All accepted papers will be included in the conference proceedings and will be published by IEEE. Publication in proceedings is conditioned to the registration and presentation of the paper at the conference by one of their authors. If the paper is not presented at the conference it will not be included in the proceedings.

Besides, high quality papers will be selected for special issues in reputed journals. Please check conference website for more information.

## **Awards:**

The IEEE Technical Committee on Computational Life Science (TCCLS), [tccls.computer.org](http://tccls.computer.org), offers best papers awards:

- a) 1 best paper (overall conference): 600\$, and
- b) 2 best papers (students): 600\$ each.

## **Other information:**

The CBMS 2020 is in negotiation with international journals to publish extended versions of the accepted papers. More information will be released soon. If you have any inquiry, you can contact the PC chairs. Check CBMS webpage for contact details!

<http://cbms2020.org/>

## **General Chairs:**

KC Santosh (University of South Dakota)

Zelalem Temesgen (Zelalem Temesgen, Mayo Clinic Center for Tuberculosis)

Paolo Soda (Universita Campus Bio-Medico di Roma, Chair of CBMS Steering Committee)

Webmaster: KC Santosh ([santosh.kc@ieee.org](mailto:santosh.kc@ieee.org))