

Call for Papers

IEEE CBMS 2022: The 35th IEEE International Symposium on Computer-Based Medical Systems (CBMS)

Shenzhen talent Park, Shenzhen, China, July 21 -23 2022

Web: <http://2022.cbms-conference.org>

The 35th IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS2022) will be held at Shenzhen talent Park, Shenzhen, China from July 21st to 23rd (2022).

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 2022 will consist of regular and special track sessions with technical contributions reviewed and selected by an international program committee as well as keynote talks, and tutorials given by leading experts in their fields. The IEEE CBMS 2022 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The CBMS 2022 invites the submission of long and short papers on original unpublished scientific contributions that are not submitted concurrently to a journal or another conference.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.

We solicit submissions on previously unpublished research work. Example areas include but are not limited to:

- Biomedical Signal and Image Processing
- Clinical and Healthcare Services Research
- Data Analysis and Visualization
- Data Mining and Machine Learning
- Decision Support and Recommendation Systems
- Healthcare Communication Networks
- Healthcare Data and Knowledge Management
- Human-Computer Interaction (HCI) in Healthcare
- Information Technologies in Healthcare
- Intelligent Medical Devices and Smart Technologies
- Radiomics and Radiogenomics
- Semantics and Knowledge Representation
- Serious Gaming in Healthcare
- Systems Integration and Security
- Technology-enabled Education
- Telemedicine Systems

- Translational Bioinformatics

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

Deadline for special track and tutorial proposal: December 20, 2021

Special track and tutorial notification acceptance: December 27, 2021

Paper submission deadline: April 25, 2022

Notification of acceptance: May 23, 2022

Camera-ready due: June 6, 2022

Registration (Early registration deadline): June 6, 2022

Conference: July 21, 2022

Note: All submissions close 11:59 pm Anywhere On Earth [AOE]

Submission guidelines and publications

Authors can submit both long/regular and short 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** may consist of up to four (4) Letter-sized pages. Short papers will be presented orally as short talks.

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=cbms2022>

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.

Awards

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

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

General chairs

Linlin Shen (Shenzhen University, China)

Alejandro Rodríguez González (Universidad Politécnica de Madrid)

KC Santosh (University of South Dakota, USA)