IEEE CBMS 2017
30th IEEE International Symposium on Computer-Based Medical Systems

http://www.cbms2017.org   **June 22-24, 2017**   **Thessaloniki, Greece**

Final Call for Papers
Further Extended Submission Deadline

The 30th IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS2017) will be held at Research Dissemination Center of the Aristotle University of Thessaloniki, Thessaloniki, Greece, from Thursday 22nd to Saturday 24th of June 2017. Attracting a worldwide audience, IEEE CBMS is the premier conference for computer-based medical systems, providing a mechanism for the exchange of ideas and technologies between academic and industrial scientists. The scientific program of IEEE CBMS 2017 will consist of regular and special track sessions with technical contributions reviewed and selected by an international programme committee, as well as, keynote talks and tutorials given by leading experts in their fields.

We solicit submissions on previously unpublished research work.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

- Open Data Analysis and Medical Knowledge Discovery
- Knowledge Representation
- Decision Support, Intelligent systems, Recommendation Systems
- Linked Data, Big Data, Analytics and Everywhere Data Management
- Systems Integration and Security
- Biomedical Signal and Image Processing and Machine Vision
- Clinical and Healthcare Services Research
- Human-Computer Interaction (HCI) in Healthcare
- Technology Enhanced Medical Education, Big educational data analytics and decision making
- Learning materials and personalized learning
- Robotics, Intelligent Medical Devices and Smart Technologies
- Bioinformatics, Neuroinformatics
- Personalisation and adaptation issues from Big, Open and Linked Data.
- Active and healthy ageing systems and data analytics

Authors are invited to submit their original contributions before the deadline (February 28, 2017 ~~January 30, 2017~~) using the EasyChair (https://easychair.org/conferences/?conf=cbms2017) online submission system. Each contribution must be prepared following the two-column format.

Two submission types are accepted:

- Full research papers: These are standard academic papers addressing the Conference or the Special Track themes and they should not exceed the length of 6 (six) Letter-sized pages;

- Skyline Papers: These are short papers informing the international community about breaking research findings or reporting high quality research which has primitive results. The skylines papers should not exceed the length of 2 (two) Letter-sized pages and they can be submitted as part of the general conference or one of the Special tracks

The authors may use LaTeX or Microsoft Word templates when preparing their drafts. Papers must be submitted in PDF format, with fonts embedded. All submissions will be peer-reviewed by at least three reviewers and all accepted papers will be included in the conference proceedings, and will be submitted for inclusion into IEEE Xplore. At least one author must pay the registration fee before Apr 23rd for each accepted paper.

Special Tracks

ST1 - **Ambient Assisted Living based on IoT Technologies**

ST2 - **Social data and medical data analytics**

ST3 - **Immersive Personalized Patient Engagement; Computer Based Medical Intervention Systems**

ST4 - **Computer-aided and robotic endoscopy systems**

ST5 - **Empowering Patients with Cancer through Connected Health**

ST6 - **Biomedical Imaging and Signal Processing tools for Cardiac Arrhythmias: Diagnosis, Treatment Planning and Therapy Delivery**

ST7 - **MultiModal Interfaces for Natural Human Computer Interaction: Theory and Applications**

ST8 - **Biological Network Analysis in Computational Biology and Biomedicine**

ST9 - **Cloud Security and Data Privacy by Design**

Important dates

Paper submission due	February 28, 2017 ~~February 20, 2017~~ ~~January 30, 2017~~
Notification of acceptance for papers	March 20, 2017
Final camera-ready paper due	April 13, 2017
Early registration deadline	April 23, 2017
CBMS symposium days	June 22-24, 2017

Conference Chairs

Panagiotis D. Bamidis, Medical School, Aristotle University of Thessaloniki, GR
Stathis Th. Konstantinidis, School of Health Sciences, The University of Nottingham, UK
Pedro Pereira Rodrigues, Medical School, University of Porto, PT

Programme Committee Chairs

Constantinos S. Pattichis, University of Cyprus, CY
Alan Tucker, Brunel University, UK
Dimitris Koutsouris, National Technical University of Athens, GR

Special Track Chairs

Adele Marshall, Queen's University Belfast, UK
Ilias Maglogiannis, University of Piraeus, GR
Daniela Giordano, University of Catania, IT

Conference web site: http://www.cbms2017.org   Email: cbms2017conf@gmail.com