



IEEE CBMS 2008

21st IEEE International Symposium on COMPUTER-BASED MEDICAL SYSTEMS



June 17-19 2008, Jyväskylä, Finland

<http://cbms2008.it.jyu.fi>

INVITED KEYNOTES

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The 21th IEEE International Symposium on Computer-Based Medical Systems (CBMS 2008) will be held on June 17-19, 2008 at University of Jyväskylä, Finland. CBMS 2008 is sponsored by the IEEE Computer Society (Technical Committee on Computational Medicine, TCCM) and the Department of Computer Science and Information Systems, University of Jyväskylä; and it is held in cooperation with the ACM Special Interest Group on Applied Computing, ACM SIGAPP.

CBMS 2008 is intended to provide an international forum for discussing the latest results in the field of computational medicine. The scientific program of CBMS 2008 will consist of invited keynote talks given by leading scientists in the field, and regular and special track sessions that cover a broad array of issues which relate computing to medicine.

RELEVANT TOPICS (NON-EXHAUSTIVE LIST)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Software Systems in Medicine | <input checked="" type="checkbox"/> Network and Telemedicine Systems |
| <input checked="" type="checkbox"/> Computer-Aided Diagnosis | <input checked="" type="checkbox"/> Medical Databases & Information Systems |
| <input checked="" type="checkbox"/> Knowledge Discovery & Data Mining | <input checked="" type="checkbox"/> Web-Based Delivery of Medical Information |
| <input checked="" type="checkbox"/> Knowledge-Based Systems and Techniques | <input checked="" type="checkbox"/> Multimedia Biomedical Databases |
| <input checked="" type="checkbox"/> Decision Support Systems | <input checked="" type="checkbox"/> Content Analysis of Biomedical Image Data |
| <input checked="" type="checkbox"/> Medical Devices with Embedded Computers | <input checked="" type="checkbox"/> Handheld Computing Applications in Medicine |
| <input checked="" type="checkbox"/> Signal and Image Processing in Medicine | <input checked="" type="checkbox"/> Bioinformatics in Medicine |
| <input checked="" type="checkbox"/> Medical Image Segmentation & Compression | <input checked="" type="checkbox"/> Pervasive Health Systems and Services |

CALL FOR PAPERS

CBMS 2008 invites original previously unpublished contributions that are not submitted concurrently to a journal or another conference. Many of the above listed topics are represented by corresponding Special Tracks, while others are solely covered by the general CBMS track. Prospective authors are expected to submit their contributions to one of the corresponding Special Tracks or to the general track if none of the special tracks is relevant. Please see submission guidelines for further details.

SPECIAL TRACKS

Eleven special tracks are organized under the umbrella of CBMS 2008:

- ST1:** Bioinformatics and its Medical Applications
- ST2:** Computational Proteomics
- ST3:** Knowledge Discovery and Knowledge-Based Techniques and Systems in Medicine
- ST4:** Ontologies for Biomedical Systems
- ST5:** Healthgrid Computing
- ST6:** Technology Enhanced Learning in Medical Education
- ST7:** Personalisation for e-Health
- ST8:** Supporting Collaboration among Healthcare Workers
- ST9:** Data Integration in Biomedicine
- ST10:** Intelligent Patient Management
- ST11:** Computer Based Decision Systems in Biomedicine



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 Blaz Zupan, *AI Lab, University of Ljubljana, Slovenia*

SUBMISSION GUIDELINES

Each contribution must be prepared following the IEEE 2-column format and should not exceed the length of 6 (six) Letter-sized pages submitted electronically before the paper submission deadline (28 January 2008) using the paper submission system. All submissions will be peer-reviewed by at least three reviewers. Each Program Committee of the corresponding Special Track or General Track will be responsible for the final decision about acceptance of papers submitted to that track. All accepted papers will be included in the conference proceedings published by the IEEE CS Press. At least one author must pay the registration fee before March 28 for each accepted paper.

IMPORTANT DATES

February 4, 2008	Paper submission due for both general and special tracks (extended)
February 28, 2008	Notification of acceptance for papers
March 28, 2008	Final camera-ready paper due and Pre-registration deadline
June 17-19, 2008	CBMS2008 symposium days

INTENDED AUDIENCE

Engineers, scientists, clinicians and managers involved in medical computing projects are encouraged to submit papers to the symposium and/or attend the symposium. The symposium provides its attendees with an opportunity to experience state-of-the-art research and development in a variety of topics directly and indirectly related to their own work. In addition to research papers, keynote speakers and tutorial sessions it provides participants with an opportunity to come up-to-date on important technological issues. The symposium encourages the participation of students engaged in research/development in computer-based medical systems.

AWARDS

The best paper and the best student paper will be awarded.

VENUE AND TRAVEL

The 21th IEEE International Symposium on Computer-Based Medical Systems will be held at Agora - "a meeting place for humanity and technology" situated in central Finland in the city of Jyväskylä. Being an integral part of the University of Jyväskylä, Agora emphasizes a multi-disciplinary, human-centered approach to information technology and to the future knowledge society, where research, education and enterprise are integrated into one functional whole. Jyväskylä is a school and university town hosting 39 000 students, and at the same time a bustling centre for business, education, sports and culture with over 80 000 inhabitants. Located about 270 km from Helsinki, Jyväskylä can be reached by plane (a flight from Helsinki takes about 40 min); in addition, there are fast, punctual, and convenient train and bus connections from Helsinki, Turku, and Tampere.

PREVIOUS CBMS SYMPOSIUMS

During the last decade, CBMS symposiums were held in different countries and locations including Maribor, Slovenia (2007, 2002, and 1997), Salt Lake City, USA (2006), Dublin (2005), Bethesda MD, USA (2004 and 2001), New York City, USA (2003), Houston TX, USA (2000), Stamford CT, USA (1999), and Lubbock TX, USA (1998).



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