



IEEE CBMS 2008

21st IEEE International Symposium on COMPUTER-BASED MEDICAL SYSTEMS



Special track "Data Integration in Biomedicine"

CALL FOR PAPERS

The progress of biomedical research in the last decade has resulted in a multitude of different databases and information systems that make their data available for advanced investigations using the World Wide Web. These distributed life science data sources describe miscellaneous aspects of biological systems; they are rapidly increasing in volume and constitute a potentially very valuable knowledge resource that begs for an integrated analysis.

The challenge for data integration and integrated databases in biomedicine is to capture, model, integrate and archive these data in a consistent way to facilitate robust and standardised analysis to gain new and deeper insights into complex biological systems. For that reason, data integration is one of the most important and urgent tasks in bioinformatics and the life science. The success of many biomedical and system biology initiatives depends on practical solutions to the data integration problem.

This special track is part of the 21th IEEE International Symposium on Computer-Based Medical Systems (CBMS 2008) that 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](#).

TOPICS OF INTEREST

include, but are not limited to:

- Data integration approaches and projects
- Integrated databases and information systems in biomedicine
- Integration of clinical and molecular biology data
- Data warehouse systems in biomedicine
- Integration of data and methods in biomedical research
- Semantic and ontology-based data integration in biomedicine
- Data exchange formats for biomedical data

IMPORTANT DATES

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

SUBMISSION PROCEDURE

Unlike workshops, where position papers and reports on initial and intended work are appropriate, papers selected for a special track should report on significant unpublished work suitable for publication as a conference paper.

Please note that the format of IEEE CBMS 2008 proceedings will be the IEEE Computer Science Press 8.5x11-inch format (2-column). Submission is encouraged in this format. For more details please see the website of IEEE CBMS 2008 (<http://cbms2008.it.jyu.fi/>).

All submissions including special track papers will be done electronically via the CBMS web submission system, which will be open approximately one month before the deadline. Please choose the title of this special track when submitting a paper to CBMS.

All submissions will be peer-reviewed by at least three reviewers of the Special Track Programme Committee. All accepted papers will be included in the conference proceedings published by IEEE CS Press. At least one author must pay the registration fee before March 28, 2008 for each accepted paper.

TRACK PROGRAMME COMMITTEE (PROVISIONAL)

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For further questions, please visit <http://www.techfak.uni-bielefeld.de/~ttoepel/cbms08/> or contact thoralf.toepel@uni-bielefeld.de .