

Special Track Call for Papers

Biomedical Image Applications in Research and Clinical Medicine

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CFP AVAILABLE AT: <http://archive.nlm.nih.gov/conf/cbms2009>

Images play a significant role in biomedical research and clinical medicine. Their impact would not have been possible without the significant steps necessary to make images and imaging a routine component of computer-based medical systems. The 22nd IEEE International Symposium on Computer-Based Medical Systems (CBMS) 2009 invites original, previously unpublished contributions, that are not submitted concurrently to other venues for consideration (journals, conferences, meetings, etc.) for this Special Track. Authors of high-quality articles that describe novel contributions in the topics listed below are strongly encouraged to submit their work for peer review and consideration for publication in the conference proceedings. Note that position papers and reports on initial and intended work are considered inappropriate for the Special Track.

TOPICS: The topics for the special track include, but are not limited to, the following:

- Image acquisition, DICOM
- Image processing (enhancement, content-analysis, registration)
- Object segmentation
- Image feature indexing
- Content-Based Image Retrieval (CBIR)
- Biomedical multimedia databases
- Image compression
- Image transmission and Web-based delivery
- Software tools
- GPU or game system-based high performance image processing
- Game-based methods for biomedical applications
- Clinical Decision Support Systems (with images)

IMPORTANT DATES

April 1, 2009 Paper submission due
 May 25, 2009 Review Notification
 June 21, 2009 Final camera-ready paper due and Pre-registration deadline.

SUBMISSION PROCEDURES: Each contribution must be prepared following the [IEEE Computer Society 2-column format](#), should not exceed the length of 6 (six) U.S. letter-size (8½" x 11") pages, and must be submitted electronically before the paper submission deadline via the [CBMS Web site \(http://cvial.ttu.edu/cbms2009\)](http://cvial.ttu.edu/cbms2009) that will be open approximately one month before the deadline. Prospective authors should choose the track: **Biomedical Image Applications in Research and Clinical Medicine** when submitting the article. All submissions will be peer-reviewed by at least three reviewers of the Special Track Program Committee. Accepted papers will be included in the conference proceedings published by [IEEE Computer Society](#). At least one author must register for the conference for each accepted paper before June 21, 2009. Please consult the conference [Web site](#) for further information.
