

Call for Special Track "BIOINFORMATICS and its MEDICAL APPLICATIONS": The 18th IEEE Symposium on Computer-Based Medical Systems

**The 18th IEEE Symposium on Computer-Based Medical Systems
SPECIAL TRACK**

Bioinformatics and its Medical Applications

Dublin, Ireland 23-24 June 2005

http://www.cs.tcd.ie/Nadia.Bolshakova/CBMS_Bioinformatics.html

CALL FOR PAPERS

Major computational challenges have been raised in the post-genomic era. Novel computational methods and approaches are required to acquire, store, organize, archive, analyse and visualize the large amount of biological and biomedical data. The goal of the track is to share ideas related to bioinformatics challenge among biological, biomedical and computer scientists.

Authors are invited to submit original papers addressing any computational biology issue. Papers are invited (but not limited) to the following key themes:

- Biomedical Research
- Evolution and Phylogenetics
- Data Mining in Bioinformatics
- Microarray Analysis
- RNAi Analysis
- Sequence Alignment
- Pathways, Networks, Systems Biology
- Functional Genomics
- Visualization
- Protein Structure and Analysis
- Comparative Genomics
- Pattern Recognition
- Software Systems

IMPORTANT DATES

January 26, 2005 - Submission of (6-page, maximum) paper

March 1, 2005 - Notification of acceptance

March 24, 2005 - Final camera-ready paper due

March 24, 2005 - Pre-registration deadline

You must pre-register to have your paper published in the proceedings. If you only plan to attend and are not submitting a paper, pre-registration is still strongly encouraged. This conference is space-limited, and registration may not be available on-site.

SUBMISSION PROCEDURES FOR PAPER

No hardcopy submissions are being accepted. Electronic submissions of original technical research papers will only be accepted in PDF format. File size is limited to 2 MB. Use a maximum of six A4 pages, including figures and references. Include one cover sheet, stating the paper title, authors, technical area(s) covered in the article, corresponding author's information (telephone, fax, mailing address, e-mail address), and your preference for oral or

poster presentation. Author names should appear only on the cover sheet, not on the summary. Submit your manuscript no later than January 26, 2005. Authors will be notified of acceptance by March 1, 2005 after a review process by three independent experts. Each accepted paper will be published in the conference proceedings by IEEE CS Press, conditional upon the author's advance registration. Submission in the IEEE Computer Science Press 6x9-inch format is encouraged. Formatting instructions, LaTeX macros and MSWord templates are available at <ftp://pubftp.computer.org/press/outgoing/proceedings>. Authors should indicate the special track title (on the cover sheet). All submissions should be done electronically via the IEEE CBMS 2005 web submission system at: http://www.cs.tcd.ie/research_groups/mlg/CBMS2005/openconf

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TRACK CHAIR

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