

# Call for Papers

## 7th International Symposium on Bioinformatics Research and Applications

May 27-29, 2011, Central South University, Changsha, China

<http://www.cs.gsu.edu/isbra/>

The *International Symposium on Bioinformatics Research and Applications* (ISBRA) provides a forum for the exchange of ideas and results among researchers, developers, and practitioners working on all aspects of bioinformatics and computational biology and their applications. Submissions presenting original research are solicited in all areas of bioinformatics and computational biology, including the development of experimental or commercial systems. Topics of interest include but are not limited to:

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|---|--|
| Biomedical databases and data integration | High-performance bio-computing           |
| Biomolecular imaging                      | High-throughput sequencing data analysis |
| Bio-ontologies                            | Molecular evolution                      |
| Comparative genomics                      | Molecular modeling and simulation        |
| Computational genetic epidemiology        | Pattern discovery and classification     |
| Computational proteomics                  | Population genetics                      |
| Data mining and visualization             | Software tools and applications          |
| Gene expression analysis                  | Structural biology                       |
| Genome analysis                           | Systems biology                          |

We seek two categories of submissions: *extended abstracts* of up to 12 pages in Springer LNCS format, and *short abstracts* of up to 4 pages. Both types of submissions must be made electronically by following the instructions at <http://www.easychair.org/conferences/?conf=isbra2011>. Submission implies willingness of at least one author to register and present at the symposium.

Accepted extended abstracts will be published prior to the symposium in Springer-Verlag's Lecture Notes in Bioinformatics series and presented orally at the symposium. Accepted short abstracts will be published online and on CD-ROM and selected for either oral or poster presentation. As in previous years, full versions of selected extended abstracts presented at the symposium will be invited to a peer-reviewed special issue of [IEEE/ACM Transactions on Computational Biology and Bioinformatics](#). The authors of remaining extended and short abstracts will be invited to submit full versions to a peer-reviewed volume to be published after the symposium in [BMC Bioinformatics](#).

### Important Dates

|                                   | Extended Abstracts (12 pages)      | Short Abstracts (4 pages)            |
|-----------------------------------|------------------------------------|--------------------------------------|
| <b>Submission deadline</b>        | <b>February 11, 2011</b>           | <b>April 8, 2011</b>                 |
| <b>Notification of acceptance</b> | <b>March 11, 2011</b>              | <b>April 22, 2011</b>                |
| <b>Final version due</b>          | <b>March 18, 2011</b>              | <b>April 29, 2011</b>                |
| <b>Steering Chairs</b>            | <b>General Chairs</b>              | <b>Program Chairs</b>                |
| Dan Gusfield (UC Davis)           | Mona Singh (Princeton)             | Jianer Chen (Texas A&M)              |
| Yi Pan (Georgia State)            | Lijian Tao (Central South Univ.)   | Jianxin Wang (Central South Univ.)   |
| Marie-France Sagot (INRIA)        | Albert Y. Zomaya (Univ. of Sydney) | Alexander Zelikovsky (Georgia State) |

### Confirmed Keynote Speakers

|                                 |                                    |                             |
|---------------------------------|------------------------------------|-----------------------------|
| Bernard Moret (EPFL)            | Russell Schwartz (Carnegie Mellon) | Eric Xing (Carnegie Mellon) |
| David Sankoff (Univ. of Ottawa) | Liping Wei (Peking University)     |                             |