

CFP with extended deadline of Mar. 23, 2009: The 2009 International

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Many prospective authors have commented that they have just returned to work from their academic break (midterm and spring) and so they wish to be allowed to submit their papers to the conference. To accommodate for those who missed the original deadlines, we have decided to extend the paper submission deadline to March 23, 2009.

Also, I would like to take this opportunity to inform our colleagues in the Far East (a frequently asked question from China, Taiwan, Korea, ...)
that the conference proceedings will be indexed in Inspec / IET / The Institute for Engineering and Technology, DBLP / CS Bibliography, and others.

I would be most grateful if you would share this announcement with those who may be interested. The paper submission deadline is extended to March 23, 2009. Thank you.

Call For Papers

Extended Paper Submission Deadline: March 23, 2009

The 2009 International Conference on Bioinformatics
and Computational Biology

BIOCOMP'09

Date and Location: July 13-16, 2009, Las Vegas, USA

<http://www.world-academy-of-science.org>

You are invited to submit a paper; see below for submission instructions.

All accepted papers will be published in the BIOCOMP'09 conference proceedings (in printed books), with selected extended versions in a book to be published by Springer (ie, Springer indexing: Medline, Scopus, EMBASE, BIOSIS, CSA, BA, CSA, Biological Sciences and Living

Resources,
DBLP, Inspec).

Academic Sponsors include: United States Military Academy, Network Science Center; various research laboratories and centers affiliated with Harvard U. / MIT; Argonne National Lab.; U. of Illinois at Urbana–Champaign; Minnesota Supercomputing Institute; U. of Texas at Austin; George Mason U.; Vienna U. of Technology; U. of Siegen; National Institute for Health Research; U. of Iowa; Russian Academy of Sciences; U. of North Dakota; Texas A&M U./Com.; The European Commission, and many others. For the complete list of sponsors, refer to:

<http://www.world-academy-of-science.org/worldcomp09/ws/sponsors>

SCOPE: Topics of interest include, but are not limited to, the following:

- O Gene regulation
- O Gene expression databases
- O Gene pattern discovery and identification
- O Genetic network modeling and inference
- O Gene expression analysis
- O RNA and DNA structure and sequencing
- O Biomedical engineering
- O Microarrays
- O Molecular sequence and structure databases
- O Molecular dynamics and simulation
- O Molecular sequence classification, alignment and assembly
- O Image processing in medicine and biological sciences
- O Sequence analysis and alignment
- O Informatics and Statistics in Biopharmaceutical Research
- O Software tools for computational biology and bioinformatics
- O Comparative genomics
- O Protein modeling
- O Molecular interactions
- O Metabolic modeling and pathways
- O Evolution and phylogenetics
- O Macromolecular structure prediction
- O Proteomics
- O Protein folding and fold recognition
- O Medical informatics
- O Epidemic models
- O Biological data mining and knowledge discovery
- O Pattern classification and recognition
- O Structural and functional genomics
- O Amino acid sequencing
- O Stochastic modeling
- O Cheminformatics
- O Bio-ontologies + semantics
- O Computational drug discovery
- O Graph theory and bioinformatics

- O Biological databases and information retrieval
- O Biological data integration and visualization
- O Evolution of regulatory genomic sequences
- O Experimental studies and results
- O Application of computational intelligence in medicine and biological sciences (artificial neural networks, fuzzy logic, evolutionary computing, and simulated annealing).
- O High-performance computing as applied to natural and medical sciences
- O Computer-based medical systems (automation in medicine, ...)
- O Other aspects and applications relating to technological advancements in medicine and biological sciences.
- O Novel applications

Web links:

<http://www.world-academy-of-science.org/worldcomp09/ws/conferences/biocomp09>
<http://www.world-academy-of-science.org/>

SUBMISSION OF PAPERS:

Prospective authors are invited to submit their draft papers by uploading them to <http://worldcomp.cviog.uga.edu/> .

Submissions must be received by March 23, 2009 and they must be in either MS doc or pdf formats (about 5 to 7 pages – single space, font size of 10 to 12). All reasonable typesetting formats are acceptable (later, the authors of accepted papers will be asked to follow a particular typesetting format to prepare their papers for publication.)

The length of the Camera-Ready papers (if accepted) will be limited to 7 (IEEE style) pages. Papers must not have been previously published or currently submitted for publication elsewhere. The first page of the draft paper should include: title of the paper, name, affiliation, postal address, and email address for each author.

The first page should also identify the name of the Contact Author and a maximum of 5 topical keywords that would best represent the content of the paper. Finally, the name of the conference (BIOCOMP) must be mentioned on the first page.

Papers will be evaluated for originality, significance, clarity, impact, and soundness. Each paper will be refereed by two experts in the field who are independent of the conference program committee.

The referees' evaluations will then be reviewed by two members of the program committee who will recommend a decision to the co-chairs.

The co-chairs will make the final decision. Lastly, the Camera-Ready

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papers will be reviewed by one member of the program committee.

IMPORTANT DATES:

March 23, 2009: Extended deadline for Submission of papers
(about 5 to 7 pages)

April 16, 2009: Notification of acceptance (those who have
submitted

their papers in Feb. and early March, will
receive

the status report by the end of March).

May 2, 2009: Camera-Ready papers and Registration due

July 13-16, 2009: The 2009 International Conference on
Bioinformatics

and Computational Biology (BIOCOMP'09)

TUTORIALS:

13 to 16 tutorials will be scheduled – all tutorials are free to
conference registrants. Tutorial subjects include: various aspects
of supercomputing (parallel and distributed systems and
processing),

visualization, preparation for teaching online courses, various
areas of security, sensor networks, bioinformatics for computer
scientists, web services for mobile and wireless systems,

ABET accreditation as it relates to computing, inverse problems in
computer vision, data mining, machine learning, cryptographic,
on-demand computing, ...

PURPOSE / HISTORY:

BIOCOMP'09 is one of the premier research conferences in
bioinformatics

and computational biology. It is being held jointly (same location
and dates) with a number of other research conferences
(WORLDCOMP'09).

WORLDCOMP is the largest annual gathering of researchers in
computer
science, computer engineering and applied computing.

The motivation is to assemble a spectrum of affiliated research
topics into a coordinated research meeting held in a common place
at

a common time. The main goal is to provide a forum for exchange of
ideas in a number of research areas that interact. The model used
facilitates communication among researchers from all over the world
in different fields of bioinformatics, computational biology,
computer

science, computer engineering and applied computing. Both inward
research and outward research will be covered during BIOCOMP'09.

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BIOCOMP'09 and WORLDCOMP'09 will be composed of research presentations, keynote lectures, invited presentations, tutorials, panel discussions, and poster presentations. In recent past, keynote and/or tutorial speakers included: Prof. David A. Patterson (U. of California, Berkeley); Prof. Michael J. Flynn (Stanford U.); Prof. John H. Holland (U. of Michigan, Ann Arbor); Prof. H. J. Siegel (Colorado State U.); Prof. Barry Vercoe (MIT); Prof. Ruzena Bajcsy (U. of California, Berkeley); Prof. Jun Liu (Harvard U.); Dr. Jim Gettys (OLPC + developer of X Window); and many other distinguished speakers. For this year's conference, the keynote speakers include: Prof. Ian Foster (Father of Grid Computing), Dr. Eric Drexler (Father of Nanotechnology), Prof. Brian Athey (Head, NIH National Center for Computational Medicine & Biology), Dr. Jose Munoz (Deputy Director, National Science Foundation Office of Cyberinfrastructure), and many other distinguished speakers.

LOCATION OF CONFERENCES:

BIOCOMP'09 will be held in the Monte Carlo hotel, Las Vegas, Nevada, USA (with any overflows at other near-by hotels). This is a mega hotel with excellent conference facilities and over 3,000 rooms. It is minutes from the airport with 24-hour shuttle service to and from the airport.

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