

Call For Papers: WORLDCOMP'08: Computer Science, Computer

Source: <http://sci.tech-archive.net/Archive/sci.bio.evolution/2007-12/msg00160.html>

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 - *Date:* Sat, 22 Dec 2007 01:16:39 -0500 (EST)
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CALL FOR PAPERS
and
Call For Workshop Proposals

WORLDCOMP'08
The 2008 World Congress in Computer Science,
Computer Engineering, and Applied Computing
July 14-17, 2008, Las Vegas, USA

(composed of 25 Joint Conferences)

ACADEMIC SPONSORS: Research labs at Harvard University, UCLA,
Georgia Institute of Technology, University of Texas at Austin,
University of Iowa, and others (see below).

You are invited to submit a paper (and/or a proposal to organize
a session/workshop). All accepted papers will be published in the
respective conference proceedings.

The 2008 World Congress in Computer Science, Computer Engineering,
and Applied Computing (WORLDCOMP'08) is composed of the following
25 conferences (all will be held simultaneously, same location
and dates: July 14-17, 2008, USA):

- o BIOCAMP'08: The 2008 International Conference on Bioinformatics
and Computational Biology
- o CDES'08: The 2008 International Conference on Computer Design
- o CGVR'08: The 2008 International Conference on Computer Graphics
and Virtual Reality
- o CIC'08: The 2008 International Conference on Communications in
Computing
- o CSC'08: The 2008 International Conference on Scientific Computing

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- o DMIN'08: The 2008 International Conference on Data Mining
- o EEE'08: The 2008 International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government
- o ERSA'08: The 2008 International Conference on Engineering of Reconfigurable Systems and Algorithms
- o ESA'08: The 2008 International Conference on Embedded Systems and Applications
- o FCS'08: The 2008 International Conference on Foundations of Computer Science
- o FECS'08: The 2008 International Conference on Frontiers in Education: Computer Science and Computer Engineering
- o GCA'08: The 2008 International Conference on Grid Computing and Applications
- o GEM'08: The 2008 International Conference on Genetic and Evolutionary Methods
- o ICAI'08: The 2008 International Conference on Artificial Intelligence
- o ICOMP'08: The 2008 International Conference on Internet Computing
- o ICWN'08: The 2008 International Conference on Wireless Networks
- o IKE'08: The 2008 International Conference on Information and Knowledge Engineering
- o IPCV'08: The 2008 International Conference on Image Processing, Computer Vision, and Pattern Recognition
- o ITSL'08: The 2008 International Conference on Information Theory and Statistical Learning
- o MLMTA'08: The 2008 International Conference on Machine Learning; Models, Technologies and Applications
- o MSV'08: The 2008 International Conference on Modeling, Simulation and Visualization Methods
- o PDPTA'08: The 2008 International Conference on Parallel and Distributed Processing Techniques and Applications
- o SAM'08: The 2008 International Conference on Security and Management
- o SERP'08: The 2008 International Conference on Software Engineering

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Research and Practice

o SWWS'08: The 2008 International Conference on Semantic Web and Web Services

(a link to each conference's URL can be found at <http://www.world-academy-of-science.org>)

General Co-Chair and Coordinator:

H. R. Arabnia, PhD
Professor, Computer Science
Editor-in-Chief, The Journal of Supercomputing (Springer)
Vice President, Int'l Society of Intelligent Biological Medicine
The University of Georgia
Department of Computer Science
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PURPOSE / HISTORY:

This set of joint conferences is the largest annual gathering of researchers in computer science, computer engineering and applied computing. Many of the 25 joint conferences in WORLDCOMP are the premier conferences for presentation of advances in their respective fields. We anticipate to have 2,600 or more attendees from over 80 countries participating in the 2008 joint conferences.

The motivation is to assemble a spectrum of affiliated research conferences 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 to form these annual conferences facilitates communication among researchers from all over the world in different fields of computer science, computer engineering and applied computing. Both inward research (core areas of computer science and engineering) and outward research (multi-disciplinary, inter-disciplinary, and applications) will be covered during the conferences.

WORLDCOMP'08 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. Michael J. Flynn (Stanford U.); Prof. John H.

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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. David Cheriton (Stanford U.), Prof. A. K. Dunker (Indiana U. and Purdue U.); Prof. Jun Liu (Harvard U.); Dr. Jim Gettys

(developer of X Window, ...); Dr. Chris Rowen (President and CEO, Tensilica, Inc.); and many other distinguished speakers.

SUBMISSION OF PAPERS:

Prospective authors are invited to submit their draft paper (about 5 to 7 pages – single space, font size of 10 to 12) to H. R. Arabnia by Feb. 25, 2008. email submissions in MS document or PDF formats are preferable (Fax or postal submissions are also fine.) 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, email address, and telephone number 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 that the paper is being submitted to must be stated 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 chair of the track that the paper has been submitted to. The chair will make the final decision. Lastly, the Camera–Ready papers will be reviewed by one member of the program committee.

PROPOSAL FOR ORGANIZING SESSIONS/WORKSHOPS:

Each session will have at least 6 paper presentations from different authors (12 papers in the case of workshops). The session chairs will be responsible for all aspects of their sessions; including, soliciting papers, reviewing, selecting, ... The names of session chairs will appear as Associate Editors in the conference proceedings and on the cover of the books.

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Proposals to organize sessions should include the following information: name and address (+ email) of proposer, title of session, a 100–word description of the topic of the session, the name of the conference the session is submitted for consideration, and a short description on how the session will be advertised (in most cases, session proposers solicit papers from colleagues and researchers whose work is known to the session proposer). email your proposal to H. R. Arabnia (address is given above). We would like to receive the proposals by January 16, 2008.

IMPORTANT DATES:

Jan. 16, 2008: Proposals for organizing/chairing sessions/
workshops

Feb. 25, 2008: Submission of papers (about 5 to 7 pages)

March 25, 2008: Notification of acceptance

April 25, 2008: Camera–Ready papers and Registration due

July 14–17, 2008: The 2008 World Congress in Computer Science,
Computer Engineering, and Applied Computing
(WORLDCOMP'08 – 25 joint conferences)

MEMBERS OF PROGRAM AND ORGANIZING COMMITTEES:

The Program Committee includes members of chapters of World Academy of Science (chapters: supercomputing; scientific computing; AI; imaging science; databases; simulation; software engineering; embedded systems; internet and web technologies; communications; computer security; and bioinformatics.) The Program Committee for individual conferences is currently being formed. Those interested in joining the Program Committee should email H. R. Arabnia (hra@xxxxxxxxxx) the following information: Name, affiliation and position, complete mailing address, email address, a short biography together with research interests and the name of the conference offering to help with.

Many who have already joined the committees of individual tracks are renowned leaders, scholars, researchers, scientists and practitioners of the highest ranks; many are directors of research laboratories, fellows of various societies, heads/chairs of departments, deans and provosts.

LOCATION OF CONFERENCES:

The conferences 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. This hotel has many recreational attractions, including: waterfalls, spa, pools, sunning decks, Easy River, wave pool, lighted tennis courts, health spa, nightly shows,

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a number of restaurants, ... The negotiated room rate for conference attendees is very reasonable. The hotel is within walking distance from most other attractions (recreational destinations, Golf courses, ...)

SPONSORS: (this is a partial list)

Academic Co-sponsors include:

– Computational Biology and Functional Genomics Laboratory, Harvard University, Cambridge, Massachusetts, USA

<http://compbio.dfci.harvard.edu/>

– Horvath Laboratory, University of California, Los Angeles (UCLA), USA

<http://www.genetics.ucla.edu/labs/horvath/CoexpressionNetwork/>

– BioMedical Informatics & Bio-Imaging Laboratory, Georgia Institute

of Technology and Emory University, Atlanta, Georgia, USA

<http://www.bio-miblab.org/>

– Intelligent Data Exploration and Analysis Laboratory, University of

Texas at Austin, Austin, Texas, USA

<http://www.ideal.ece.utexas.edu/>

– Center for the Bioinformatics and Computational Genomics, Georgia Institute of Technology, Atlanta, Georgia, USA

<http://opal.biology.gatech.edu/GeneMark/>

– Hawkeye Radiology Informatics, Department of Radiology, College of Medicine, University of Iowa, Iowa, USA

<http://www.uiowa.edu/~hri/>

– Medical Image HPC & Informatics Lab (MiHi Lab), University of Iowa, Iowa, USA

Iowa, USA

<http://www.uiowa.edu/mihpclub/>

– The University of North Dakota, Grand Forks, North Dakota, USA

<http://www.und.edu>

– International Society of Intelligent Biological Medicine

<http://www.isibm.org/>

– Institute for Informatics Problems of the Russian Academy of Sciences, Moscow, Russia.

Other Co-sponsors:

– NIIT Technologies

<http://www.niit-tech.com/>

– High Performance Computing for Nanotechnology (HPCNano)

<http://www.hpcnano.org>

– International Technology Institute (ITI)

<http://www.iteworld.org/>

– GridToday

<http://www.gridtoday.com/gridtoday.html>

– HPCwire

<http://www.hpcwire.com/>

– Hodges' Health (H2CM), UK

<http://www.p-jones.demon.co.uk>

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Future Announcements: If you do not wish to receive future announcements about this event, please send an email to hra@xxxxxxxxxxx