

Call For Participation: WORLDCOMP'08 (CS and CE conferences), July 14–17, 2008, Las Vegas

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- *From:* "A. M. G. Solo" <amgsolo@xxxxxxxxx>
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Call For Participation

WORLDCOMP'08

The 2008 World Congress in Computer Science,
Computer Engineering, and Applied Computing

Date and Location: July 14–17, 2008, Las Vegas, USA

<http://www.world-academy-of-science.org/worldcomp08/ws>

This is an invitation to attend WORLDCOMP'08 Congress. WORLDCOMP'08 is composed of a number of tracks (joint-conferences, tutorials, and workshops); all will be held simultaneously, same location and dates: July 14–17, 2008. Attendees will have full access to all conferences' sessions, tracks, and tutorials. See below for: the complete list of joint-conferences, list of sponsors, registration information, hotel information, and some highlights.

LIST OF JOINT CONFERENCES:

- o BIOCAMP'08: Bioinformatics & Computational Biology
- o CDES'08: Computer Design
- o CGVR'08: Computer Graphics & Virtual Reality
- o CIC'08: Communications in Computing
- o CSC'08: Scientific Computing
- o DMIN'08: Data Mining
- o EEE'08: e-Learning, e-Business, Enterprise Information Systems, & e-Government
- o ERSA'08: Engineering of Reconfigurable Systems & Algorithms
- o ESA'08: Embedded Systems & Applications
- o FCS'08: Foundations of Computer Science
- o FECS'08: Frontiers in Education: CS and CE
- o GCA'08: Grid Computing & Applications
- o GEM'08: Genetic & Evolutionary Methods
- o ICAI'08: Artificial Intelligence
- o ICOMP'08: Internet Computing
- o ICWN'08: Wireless Networks
- o IKE'08: Information & Knowledge Engineering
- o IPCV'08: Image Processing, Computer Vision, & Pattern

Recognition

- o ITSL'08: Information Theory & Statistical Learning
- o MLMTA'08: Machine Learning; Models, Technologies & Applications
- o MSV'08: Modeling, Simulation & Visualization Methods
- o PDPTA'08: Parallel & Distributed Processing Techniques & Applications
- o SAM'08: Security & Management
- o SERP'08: Software Engineering Research & Practice
- o SWWS'08: Semantic Web & Web Services

SPONSORS (partial list):

ACADEMIC/TECHNICAL Co-Sponsors (a partial list):

- o Computational Biology and Functional Genomics Laboratory, Harvard University, Cambridge, Massachusetts, USA
- o International Society of Intelligent Biological Medicine
- o Horvath Lab., University of California, Los Angeles (UCLA), USA
- o Minnesota Supercomputing Institute, University of Minnesota, USA
- o Functional Genomics Laboratory, University of Illinois at Urbana–Champaign, USA
- o BioMedical Informatics & Bio–Imaging Laboratory, Georgia Institute of Technology and Emory University, Atlanta, Georgia, USA
- o Intelligent Data Exploration and Analysis Laboratory, University of Texas at Austin, Austin, Texas, USA
- o Biomedical Cybernetics Laboratory, HST of Harvard University and MIT, USA
- o Center for the Bioinformatics and Computational Genomics, Georgia Institute of Technology, Atlanta, Georgia, USA
- o Harvard Statistical Genomics and Computational Laboratory, Harvard University, Cambridge, Massachusetts, USA
- o Bioinformatics & Computational Biology Program George Mason University, Virginia, USA
- o Hawkeye Radiology Informatics, Department of Radiology, College of Medicine, University of Iowa, Iowa, USA
- o Medical Image HPC & Informatics Lab (MiHi Lab), University of Iowa, Iowa, USA
- o The University of North Dakota, Grand Forks, North Dakota, USA
- o PSU – Prince Sultan University
- o Institute for Informatics Problems of the Russian Academy of Sciences, Moscow, Russia.
- o NEMO/European Union at Institute of Discrete Mathematics and Geometry, TU Vienna

CORPORATE Co-Sponsors (a partial list):

- o Google, Inc.
- o Salford Systems
- o Synplicity
- o NIIT Technologies

OTHER Co-Sponsors (a partial list):

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- o High Performance Computing for Nanotechnology (HPCNano)
- o International Technology Institute (ITI)
- o GridToday
- o HPCwire
- o Hodges' Health (H2CM), UK

CONFERENCE SCHEDULE/PROGRAM:

The complete WORLDCOMP'08 schedule/program is available at:
<http://www.world-academy-of-science.org/worldcomp08/ws/program>

REGISTRATION INFORMATION:

To attend the congress, use the following online registration link:
<http://www.world-academy-of-science.org/worldcomp08/ws/registration>

HOTEL RESERVATION:

WORLDCOMP'08 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, a number of restaurants, ... The hotel is within walking distance from most other attractions (recreational destinations, Golf courses, ...).

You are to reserve your hotel room directly by calling Monte Carlo Resort at 1-702-730-7000 or 1-702-730-7777. Make sure that you mention the Group Code "XWRLD8" (XWRLD8 is the keyword that the hotel will use to handle the reserved block of rooms for the Congress).

You should reserve your room as soon as possible since our block is very close to being fully booked. There are also many other hotels nearby.

KEYNOTE LECTURES (this is a partial list):

- o The Parallel Computing Landscape: A Berkeley View 2.0
Prof. David A. Patterson
Pardee Prof. of CS; Director, RAD Lab & Par Lab; Past President, ACM; Member, National Academy of Engineering; Member, National Academy of Sciences; Fellow of IEEE, ACM, & AAAS; University of California at Berkeley.
- o Searching in the "Real World"
Prof. Ophir Frieder
The Royden B. Davis, SJ, Chair in Interdisciplinary Studies at Georgetown University; IITRI Chair Professor of CS at Illinois Institute of Technology; Director, Information Retrieval lab; Fellow of IEEE, ACM, and AAAS

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o Achieving your Dreams

Anousheh Ansari

CEO, Chairman and Co-founder of Prodea Systems, Inc., USA;
and Space Ambassador

o Dimensions in Reconfigurable Computing: A New Wave in Electronic System Designs

Chris Phillips

Vice President of Engineering at ElementCXI, USA

o The Burgeoning Field of Network Science

Dr. Frederick I. Moxley

Department of Defense Fellow & Visiting Professor,
Director of Research and Deputy Director of the Network Science
Center; Electrical Engineering & Computer Science Department;
United States Military Academy, West Point, New York, USA

o High Performance Computing and Computational Intelligence:

Link to the Translational Medicine and Personalized Healthcare

Dr. Jack Y. Yang and Dr. Mary Qu Yang

Harvard University, Massachusetts, USA and

National Human Genome Research Institute, NIH, Bethesda, USA

o The Emerging Field of Translational Bioinformatics – A National Perspective

Prof. Brian D. Athey

Professor, Bioinformatics and Computational Biology,
Departments of Psychiatry and Internal Medicine; Associate
Director,

U–M Center for Computational Medicine and Biology (CCMB);

Director, Biomedical Informatics Program (BIP), Michigan
Institute

for Clinical and Health Research; Principal Investigator, NIH
National

Center for Integrative Biomedical Informatics; The University of
Michigan Medical School, USA

o Unfoldomics" of Human Diseases

Prof. Vladimir N. Uversky

Senior Research Professor, Indiana University School of
Medicine,

Indianapolis, Indiana, USA and Russian Academy of Sciences,
Russia

PLANNED TUTORIALS (this is a partial list):

Tutorial attendance is free to registered attendees of worldcomp
and

all its associated conferences (most are 3 1/2 hours long):

o Robust Resource Allocation for Heterogeneous Parallel &
Distributed

Computing Systems

Prof. H. J. Siegel

Abell Endowed Chair Distinguished Prof. of ECE & Prof. of CS;
Director, CSU Information Science & Technology Center (ISTeC),
Colorado State University, Fort Collins, Colorado, USA

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- o Developing Enterprise Web Services and Mobile/Wireless Systems
Dr. Sandeep Chatterjee
Chief Technology Officer & Vice President, Source Trace Systems,
Inc., USA
- o Sensor Networks – Technologies, Protocols and Algorithms
Prof. Anura P. Jayasumana
Colorado State University, Fort Collins, Colorado, USA
- o Fuzzy Logic Theory and Applications in Data Mining
Ashu M. G. Solo
Principal/R&D Engineer, Maverick Technologies America Inc., USA
- o A Tour of Advanced Data Mining Methodologies
Mikhail Golovnya
Senior Scientist, Salford Systems, USA
- o Exploration of Quantum Cryptography in Network Security
Mehrdad S. Sharbaf
Nova Southeastern University, Florida, USA
- o Introduction to Asynchronous Circuits and NULL Convention Logic
(NCL)
Scott C. Smith, Waleed K. Al-Assadi, and Jia Di
University of Arkansas, Arkansas, USA;
Missouri University of Science & Technology, Missouri, USA
-> gratefully acknowledge the support from the National Science
Foundation under (NSF) CCLI grants DUE-0536343, DUE-0717572,
& DUE-0717767.
- o Cryptographic Features and Applications in Java (and possibly in
C++)
Prof. Ray Kresman
Bowling Green State University, Bowling Green, Ohio, USA
- o Parallel-Coordinate-Plots at Age 30: Why and How GeoDa Software
Works
as a Powerful and Intuitive Method for Geovisualizing
Demographic Data
Prof. J. Kevin Byrne
Minneapolis College of Art & Design, Minneapolis, Minnesota, USA
&
St. Mary's University of Minnesota, Minnesota, USA
- o Teaching Graph Algorithms Using Java Online Package IAPPGA
Prof. Mingshen Wu
University of Wisconsin-Stout, Menomonie, Wisconsin, USA
- o Introduction to Digital Forensics Research
Prof. Robert F. Erbacher
Utah State University, Utah, USA
- o Ontological Engineering: Analyzing, Designing and Implementing a
Real-World Semantic Web Ontology
Dr. Dan Dunne, Ontological Consultant, USA
- o Processing Geo-Semantic Knowledge and Visuals
David Dodds
Director, Open-Meta Computing Inc, Canada
- o Parallel Input/Output Techniques in High-Performance Computing
Systems
Prof. Jesus Carretero

Call For Participation: WORLDCOMP'08 (CS and CE conferences), July 14–17, 2008, Las Vegas
Universidad Carlos III de Madrid, Spain