

Call for Papers with Extended Deadline: 2007 International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS'07), June 25–28, 2007, USA

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- *From:* "A. M. G. Solo" <amgsolo@xxxxxxxx>
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Extended Paper Submission Deadline: March 4, 2007

The 2007 International Conference on Frontiers in Education:
Computer Science and Computer Engineering (FECS'07)

Date and Location: June 25–28, 2007, Las Vegas, USA

Academic Sponsors: Research Labs at
MIT, Harvard, Purdue, Univ. of Texas at Austin, ...

URL: <http://www.world-academy-of-science.org/worldcomp07/ws/FECS07>

You are invited to submit a full paper for consideration.
All accepted papers will be published in the conference proceedings.

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

- O Accreditation and assessment
- O Student recruitment and retention methods
- O Distance learning; methods, technologies and assessment
- O Capstone research projects: examples and case studies
- O Learning models
- O Promoting multi-disciplinary initiatives – impact on curriculum
- O Learning from mistakes
- O Need for change: computer science and computer engineering curriculum
- O Computer and web-based software for instruction
- O Proposed methods for ranking CS and CE departments
- O Ethics in computer science and engineering
- O Incorporating writing into CS and CE curriculum
- O Innovative degree programs and certificates

- O Innovative uses of technology in the classroom
- O Preparing graduates for academia
- O Preparing graduates for industry
- O Partnerships with industry and government
- O Team projects and case studies
- O Undergraduate research experiences
- O Student observation and mentoring strategies
- O Advising methods
- O Evaluation strategies (professors, students, ...)
- O Transition to graduate studies
- O Integrating gender and culture issues into computer science and engineering curriculum
- O The balance between course–work and research
- O Issues related to the choice of first programming language
- O Debugging tools and learning
- O Expanding the audience for computer science and computer engineering
- O Computers in classroom
- O Active learning tools
- O Undergraduates as teaching assistants
- O Funding opportunities for curriculum development and studies
- O Pilot studies
- O Recruiting methods to attract graduate students
- O The role of visualization and animation in education
- O Academic dishonesty in a high–tech environment
- O Collaborative learning
- O Using the web
- O Factors that lead to success in CS and CE

Submission of Papers:

Prospective authors are invited to submit their full paper (about 5 to 8 pages – single space, font size of 10 to 12) to H. R. Arabnia by Mar. 4, 2007 (hra@xxxxxxxxxx). E–mail submissions in MS Doc or PDF formats are preferable (postal mail 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 author who will

be presenting the paper (if accepted) and a maximum of 5 topical keywords that would best represent the content of the paper.

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 track chair will make the final decision. Lastly, the Camera-Ready papers will be reviewed by one member of the program committee.

Members of Program and Organizing Committees:

The Program Committee includes members of chapters of World Academy of Science (chapters: supercomputing; scientific computing; artificial intelligence; imaging science; databases; simulation; software engineering; embedded systems; internet and web technologies; communications; computer security; and bioinformatics.) Many members of the program committee for individual conferences include renowned leaders, scholars, researchers, scientists and practitioners of the highest ranks; many are directors of large research laboratories, IEEE Fellows, heads/chairs of departments, deans and provosts. Each committee also includes two Student Members (in their final stages of their PhD programs) who are identified as such. Refer to the conference web sites for the list of members of program committee.

Co-Sponsors (a partial list):

Academic Co-Sponsors of WORLDCOMP'07 include:

- Massachusetts Institute of Technology (MIT) Media Laboratory, MIT (Cambridge, Massachusetts)
- Statistical Genomics and Computational Biology Laboratory, Department of Statistics, Harvard University (Cambridge, Massachusetts)
- Texas Advanced Computing Center, The University of Texas at Austin (Austin, Texas)
- Statistical and Computational Intelligence Laboratory of Purdue University (West Lafayette, Indiana)
- University of Iowa's Medical Imaging HPC Lab (Iowa City, Iowa)
- Institute for Informatics Problems of the Russian Academy of Sciences, Moscow, Russia);

Other Co-sponsors include:

- HPCwire
- GRIDtoday
- STEM Education Society

- HPCSoft, HPC Software Inc.
- International Technology Institute
- H2cM – Hodges' Health, UK

Purpose / History:

FECS'07 will be held in conjunction with WORLDCOMP'07 (<http://www.world-academy-of-science.org/worldcomp07/ws>).

WORLDCOMP'07 is the largest gathering of researchers in computer science, computer engineering and applied computing.

Many of the tracks of WORLDCOMP are considered to be the premier meetings for presentation of advances in their respective fields.

We anticipate to have 2000 or more attendees from over 75 countries participating in the 2007 event.

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.

Important Dates:

March 4, 2007: Submission of full/draft papers (about 5 to 8 pages)

April 4, 2007: Notification of acceptance

April 27, 2007: Camera-Ready papers and Registration due

June 25–28, 2007: The 2007 International Conference on Frontiers in

Education: Computer Science and Computer Engineering (FECS'07)

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