

# Call for Paper

## The 2001 International Conference on Computational Science

San Francisco, California, USA  
<http://www.ucalgary.ca/iccs>  
<http://www.hpcc.rdg.ac.uk/iccs>

May 28 – 30, 2001

### Introduction

The 2001 International Conference on Computational Science will be held at the Hilton San Francisco and Towers Hotel, San Francisco, California, USA, from May 28, 2001 till May 30, 2001.

Computational Science is increasingly becoming a vital part of many scientific investigations, affecting researchers and practitioners in areas ranging from aerospace and automotive, to chemistry, electronics, geosciences, to mathematics, and physics.

Due to the sheer size of many challenges in computational science, the use of supercomputing, parallel processing, and sophisticated algorithms, is inevitable.

The concentration of this Conference is in the realms of computational science in parallel and distributed environments, encompassing the facilitating theoretical foundations and the applications of such large scale computations.

The Conference offers the opportunity to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research, as well as to help industrial users apply techniques of large scale parallel and distributed computations.

We invite you to submit a:

- full paper of 6 to 10 pages (Letter or A4 paper) for oral presentation
- short paper of 2 to 4 pages (Letter or A4 paper) for poster presentation
- proposal to organize a technical session, workshop or minisymposium. See the Call for Events Proposals at either <http://www.ucalgary.ca/iccs> or <http://www.hpcc.rdg.ac.uk/iccs> for more information.

Submitted papers have to be original, containing new and original results.

## Topics of Interest

Topics of interest include, but are not limited to:

- Astrophysics
- Computational Combustion
- Computational Chemistry
- Computational Geometry
- Computational Number Theory
- Computational Science Education
- Connectionist Modeling
- Data Mining
- Discretization Methods
- Environmental Modeling
- Financial and Economical Modeling
- Fuzzy Logic Theory and Applications
- Geophysics
- Hybrid Computational Methods
- Information Retrieval
- Nuclear Physics
- Optimization
- Parallel and Distributed Computing
- Parallel Algorithms
- Partial Differential Equation
- Randomized Computations
- Reliability Engineering
- Risk Analysis
- Scientific Databases
- Security
- Software Engineering
- Visualization
- Web-based Simulation and Computing

## Proceedings

The proceedings of the Conference will be published in the Springer-Verlag Lecture Notes in Computer Science (LNCS) series (currently negotiating the conditions of the contract).

## Paper Submission

The submitted paper must be camera-ready and formatted according to the rules of LNCS. See <http://www.springer.de/comp/lncs/authors.html> for formatting information. Please include a cover page which lists the following:

- name, affiliation, address and e-mail address of each author
- name of the presenting author
- name of the contact author
- a maximum of 5 keywords
- 3 nominated referees and contact information of all nominated referees

Submission implies the willingness of at least one of the authors to register and present the paper. A PostScript version of your paper must be submitted electronically to `iccs2001-submit@csres.cs.rdg.ac.uk`. Hard copies should be sent only if electronic submission is not possible.

### **Important Dates**

January 19, 2001: Draft papers due  
March 1, 2001: Notification of Acceptance  
March 29, 2001: Camera Ready Papers and Pre-registration due  
May 28 – 30, 2001: ICCS 2001 Conference

### **Contact Information**

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